WORKING CATALOGUE 2025



FLOS

Architectural

FLOS

WORKING CATALOGUE 2025

ENGLISH / ESPAÑOL

NEW

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FLOS Architectural

	Glass	White	Matte White	Textured White	Off White	Black	Matte Black	Anodized Black	Grey	Anodica Grey	Mercury	Anodic Ice	Polished Silver	Anodized Silver	Anodized Aluminium	Polished Aluminium	Brushed Aluminium	Chrome	Smoke Glass	Stainless Steel	Steel	Concrete	Anthracite	Matt Anthracite	Salvia	Teak
MY CIRCUIT		•																								
BELT						•																				
INFRA-STRUCTURE		•				•											•	•								
ZERO TRACK PRO		•				•																				
ZERO TRACK		•				•											•									
THE MICRO RUNNING MAGNET		•				•																				
THE RUNNING MAGNET		•				•							•				•									
THE TRACKING MAGNET		•				•									•											
THE TRACKING POWER EVO		•				•							•									•				
THE FAST TRACK		•				•																				
IN-FINITY		•				•				•																
LIGHT CUT MINI		•				•																				
WORKMATES		•				•							•													
GUSTAVE			•									•												•		
EMI					•																					
OBLIQUE / OBLIQUE FLOOR		•							•													•		•		
LIGHT SHADOW		•				•															•					•
LIGHT SHADOW PRO&DOTS		•				•															•					•
ECLECTIC		•				•																				
CIRCLE OF LIGHT						•																				
LED CURTAIN		•																								
KAP		•				•																				
BON JOUR		•				•																				
UT DOWNLIGHT		•				•																				
LIGHT SUPPLY		•				•																				
WAN DOWNLIGHT		•				•										•										
JOHNNY		•				•																•				•
LIGHT SHADOW SPOT		•				•																				
CAMERA				•																			•			
FIND ME		•				•												•								
UT SPOT		•				•																				
WAN SPOT		•				•										•										
C1		•																					•			
UT PRO SURFACE		•				•																				
KAP SURFACE		•				•											•									
SUPER LINE		•				•			•																	
LIGHT BELL	•	•					•	•					•			•						•				
FORT KNOX WALL		•				•										•										
THIN LED		•											•			•										
G-O		•						•					•							•							
THEBLOCKOFLIGHT			•				•		•																	

FLOS Soft Architecture

WALL RUPTURE														•												
SOFTPROFILE		•												•												
JUNCOS		•				•												•								

	Brown	Deep Brown	Dark Brown	Laquered Brown	Anodized Bronze	Wenge	Bronze	Gold	Matte Gold	Copper	Galvanic Copper	Rust	Red Glass	Deep Red	Deep Green	Deep Blue	Green	Laquered Green	Brushed Copper	Brushed Steel	Brushed Bronze	Natural Leather	Green Leather	Grey Olive	Copper Brown	Smooth Black	Raw Aluminum
MY CIRCUIT																											
BELT																					•	•	•	•			
INFRA-STRUCTURE								•				•						•	•	•							
ZERO TRACK PRO																		•	•	•							
ZERO TRACK		•			•																						
THE MICRO RUNNING MAGNET																											
THE RUNNING MAGNET																		•	•	•							
THE TRACKING MAGNET																		•	•	•							
THE TRACKING POWER EVO																											
THE FAST TRACK																											
IN-FINITY																											
LIGHT CUT MINI																											
WORKMATES																											
GUSTAVE				•													•								•	•	
EMI													•	•	•												
OBLIQUE / OBLIQUE FLOOR	•											•															
LIGHT SHADOW							•			•								•	•	•							
LIGHT SHADOW PRO&DOTS							•			•								•	•	•							
ECLECTIC																											
CIRCLE OF LIGHT																											
LED CURTAIN																											
KAP								•	•																		
BON JOUR									•																		
UT DOWNLIGHT																											
LIGHT SUPPLY																											
WAN DOWNLIGHT																•											
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LIGHT SHADOW SPOT																		•	•	•							
CAMERA																											
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UT SPOT																											
WAN SPOT																•											
C1																		•	•	•							
UT PRO SURFACE																											
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SUPER LINE																											
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FORT KNOX WALL																											
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G-O							•																				
THEBLOCKOFLIGHT																											

WALL RUPTURE								•																			
SOFTPROFILE								•																			
JUNCOS																											

LIGHT STRUCTURES

My Circuit, Belt, Infra-Structure, Zero Track PRO, Zero Track, The Micro Running Magnet, The Running Magnet, The Tracking Magnet, The Tracking Power EVO, The Fast Track, In-Finity, Light Cut Mini.

LIGHT STRUCTURES OVERVIEW

		MY CIRCUIT	ZERO TRACK PRO	ZERO TRACK	THE MICRO RUNNING MAGNET	
PHYSICAL CHARACTERISTICS	**MOUNTING**	SURFACE	SURFACE	SURFACE	RECESSED	SURFACE
	COLORS	☐	☐ ■ ■ ■ ■	☐ ■ ■ ■ ■	☐ ■	
	VOLTAGE / TRACK ADAPTER	48 Vdc In-Track	24 Vdc In-Track	24 Vdc In-Track	24 Vdc In-Track	
	INNER GAP (mm)	-	11,5	8	5	
	OUTER GAP (mm)	-	19	17	9	-
	RECESSED DEPTH (mm)	-	-	-	-	17
	HEIGHT (mm)	27	10,5	7	14	-
	LENGTH (mm)	8000 / 15000 / 20000	1000 / 2000 / 3000	1000 / 2000 / 3000	1000 / 2000 / 3000	
CONTROL CHARACTERISTICS	**PROFILE EMISSION**	✗	✗	✗	✗	
	NON DIMMABLE	✓	✓	✓	✓	
	DALI	✗	✓	✗	✓ [1]	
	CASAMBI	✓	✓	✓	✓	
	1 - 10V	✓ [1]	✓ [1]	✗	✓ [1]	
	PUSH	✗	✗	✗	✓ [1]	
	MAINS DIMMING	✗	✗	✗	✗	
	UP&DOWN (Indep)	–	–	–	–	
COMPATIBLE LIGHT MODULES	**ACCENT LIGHTING**	My Circuit Spot Ø25 My Circuit Spot Ø35 My Circuit Light Shadow Spot Ø30 My Circuit Light Shadow Spot Ø45	Find Me 0 Find Me 1 Find Me 2 Atom 90 Atom 120 Light Shadow Spot 30[1] Light Shadow Spot 45[1] [1] Only for Zero Track Pro	Find Me 2 Find Me 1 Suspension	Nano Spot Light Shadow Spot Micro Spot Spot Find Me 0 Find Me 1	
	DIFFUSED LIGHTING	My Circuit Disc My Circuit Dome My Circuit Sphere My Circuit Lines	Light Stripe 600 / 900 / 1200 Magic Stick Atom 200 Magic Stick Asymmetric	Atom 200	Light Stripe Diffused Light Stripe Wall-Washer	

✓ [1] Broadcast ✓ [2] On Board Dimmer ✓ [3] Non Dimmable ✓ [4] Only Remote Drivers ✓ [5] DALI

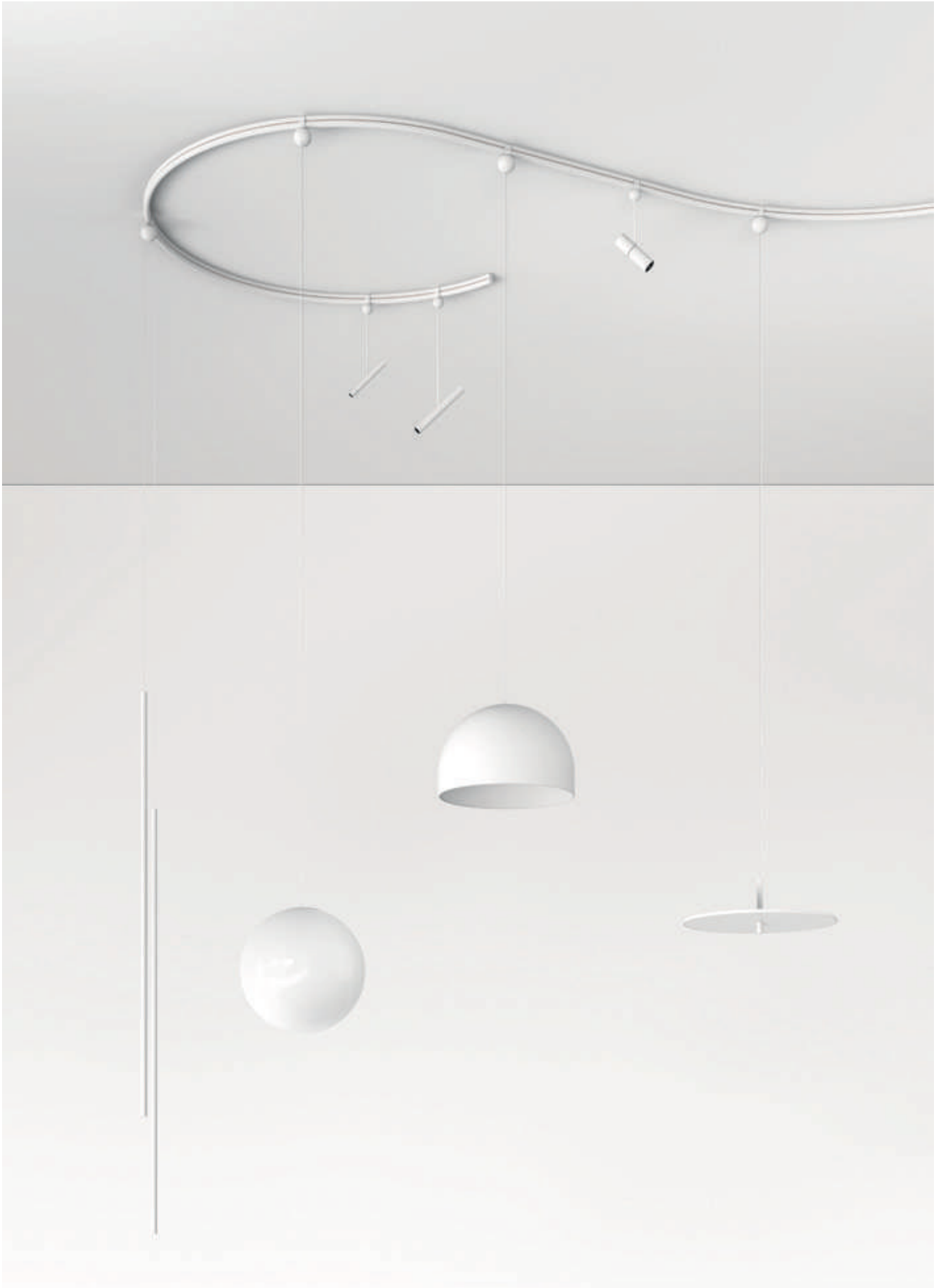
LIGHT STRUCTURES OVERVIEW

THE RUNNING MAGNET			THE TRACKING MAGNET			INFRA_ STRUCTURE	THE TRACKING POWER EVO	THE FAST TRACK	
									
RECESSED	SURFACE	SUSPENSION Down Up & Down	RECESSED	SURFACE SUSPENSION Down	SUSPENSION Up & Down	SURFACE & SUSPENSION	RECESSED	RECESSED	SURFACE
☐ ■			■ ☐ ▨			☐ ■	■	☐ ■	
24 Vdc In-Track			48 Vdc In-Track			48 Vdc In-Track	220-240V In-Track	48 Vdc In-Track	
35			15			-	18,5	35	
-	41		-	25		-	-	-	49
73,5	-	-	31,5	-	-	-	27	73,5	-
73 / 86	100	100	31 / 45	46	52	100 / 300 / 400 / 700	42,8	73 / 86	92
1000 / 1500 / 2000 / 2500 / 3000			1000 / 1500 / 2000 / 2500 / 3000			1100 / 1600	1000 / 2000 / 3000	1000 / 1500 / 2000 / 3000	
✓ Upper integrated			✓ Upper integrated			✓ Upper & direct by light modules	✗	✗	
✓			✓ [2]			✓ [2]	✓ [2 / 3 / 5]	✗	
✓			✓			✓	✗	✗	
✓			✓			✓	✗	✓	
✗			✓			✓	✗	✗	
✗			✗			✗	✗	✗	
✗			✗			✗	✗	✗	
✓			✓ [4]			✓	–	–	
 Light Shadow Spot 30	 Light Shadow Spot 45	 Multi Spot 4	 Spot 50	 Spot 90	 Spot 120	 Spot 150	 UT Pro 150 [2]	 Spot 100	
 Find Me 1 Suspension	 Spot Module	 Light Shadow							
	 Spot 120	 Light Shadow Wall-Washer	 Light Shadow Spot 30	 Light Shadow Spot 45	 Light Shadow Spot 60	 Anthony Spot Track	 Multi Spot Mini	 UT Pro 175 [2]	 Spot 150
	 Anthony Spot Track								
 Light Stripe	 Mini Glo-Ball	 Workmates	 Light Stripe	 Wallee	 Suspension Panel 600	 UT Pro Wall-Washer [3]	–		
 String Light Ball	 String Light Cone	Mini Glo-Ball Suspension			 Suspension Glass Downlight 110	 Workmates [3 / 5]			
					 Light Tube Direct / Indirect / Blind				

NEW

MY CIRCUIT

DESIGNED BY MICHAEL ANASTASSIADES



NEW

Description
My Circuit, designed by Michael Anastassiades, is the first structure for indoor lighting consisting of a flexible profile that allows the drawing of continuous and completely free paths on the ceiling, combining linear sections with curves of various radii (from R 500 to R 3000 mm).
The system, for surface installation, can hold light modules, projectors with technical performance and suspended luminaires with an attractive decorative appearance.

Design, installation and assembly
To design a layout, it is essential to select and consecutively combine the fixing modules that will be joined to form a central spine that will be fixed to the ceiling, thus defining the shape of My Circuit. Depending on the desired number of luminaires, their position in the layout and their consumption requirements, modules can be added along the circuit where needed to power (48V) the system (a module for remote power supply and another module where the power supply unit is located in a decorative suspension box are available). These power supply modules have their own fixing segment which is added (at an intermediate position or at one end) to the central spine track.
Once the layout has been completed - and installed on the ceiling - the total length of the central spine track is obtained. The flexible profile is installed on this spine track, so that it can be adapted to its core shape and anchored on the ceiling in the desired position. The flexible profile externally embraces the central spine along the entire circuit and is inserted into the power adapters. The flexible profile's layout ends and segment joints - if present - are covered with the corresponding cover caps (end or intermediate).
The implementation of My Circuit is thus finally completed. Last but not least, the various luminaires and light modules are installed on the structure with their respective adapters.

Light Modules
The following light modules are available:
- MyCircuit Light Shadow Spot Ø30 / Ø45
- MyCircuit Spot Ø25 / Ø35

The following decorative luminaires are also available:
- MyCircuit Lines
- MyCircuit Disc
- MyCircuit Dome
- MyCircuit Sphere

Control Systems
My Circuit is available in on/off version and with Casambi wireless dimming system for individual control of each luminaire and/or light module.

Additional Information
My Circuit can only be installed on ceilings perpendicular to the vertical plane.
Use only a soft cloth to clean the system. For stubborn dirt, damp the cloth with water. Warning: do not use alcohol or other solvents.
The installation surface must be flat. When mounting, use suitable dowels and screws, depending on the ceiling material.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

Descripción
MyCircuit, diseñado por Michael Anastassiades, es la primera estructura para iluminación de interiores compuesta por un perfil flexible que permite dibujar en el techo recorridos continuos y completamente libres, combinando formas de línea recta con curvas de diferente radio (de R 500 a R 3000 mm).
El sistema, de instalación en superficie, permite albergar módulos de luz proyectores de prestaciones técnicas y luminarias suspendidas de una atractiva presencia decorativa.

Diseño, instalación y montaje
Para diseñar un trazado se deben seleccionar y combinar de manera consecutiva los módulos de fijación que se unirán entre sí hasta dibujar una espina central que se fija en el techo y define la forma de MyCircuit.
Según el número de luminarias deseadas, su posición en el diseño de la estructura y sus requisitos de consumo, en los puntos necesarios del recorrido se añaden los módulos que permiten la alimentación 48V del sistema (existe un módulo para alimentación con equipo remoto y otro módulo donde el equipo de alimentación se ubica en una caja decorativa de suspensión). Estos módulos de alimentación cuentan con su propio segmento de fijación que se añade al recorrido de la espina central (en posición intermedia o en un extremo).
Completado el trazado -e instalado éste en el techo-, se obtiene la longitud total del recorrido de la espina central. Sobre ella se instalará el perfil flexible, a fin de que éste se amolde a su forma a modo de alma y quede anclado en la posición deseada en el techo. El perfil flexible abraza exteriormente la espina central en todo el trazado y se inserta en el interior de los adaptadores de alimentación. Los extremos de la configuración y las uniones de segmentos del perfil flexible -si existen- se cubren con las tapas embellecedoras correspondientes (final o intermedia).
De esta manera, la implementación de MyCircuit queda finalmente completada. Por último, las diferentes luminarias y módulos de luz se instalan en la estructura con sus respectivos adaptadores.

Módulos de luz
Existen los siguientes módulos de luz:
- MyCircuit Light Shadow Spot Ø30 / Ø45
- MyCircuit Spot Ø25 / Ø35

También están disponibles las siguientes luminarias decorativas:
- MyCircuit Lines
- MyCircuit Disc
- MyCircuit Dome
- MyCircuit Sphere

Sistemas de Control
My Circuit está disponible en versión on/off y con sistema de regulación inalámbrico Casambi para el control individual de cada luminaria y/o módulo de luz.

Información Adicional
La superficie de instalación debe ser plana. La instalación de My Circuit sólo es posible en techos perpendiculares a la vertical.
Para limpieza del sistema, utilizar exclusivamente un paño suave. En caso de suciedad más resistente, humedecer el paño con agua.
Advertencia: No emplear alcohol ni disolventes. En el montaje, emplear los tacos y tornillos adecuados, según el material del techo.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

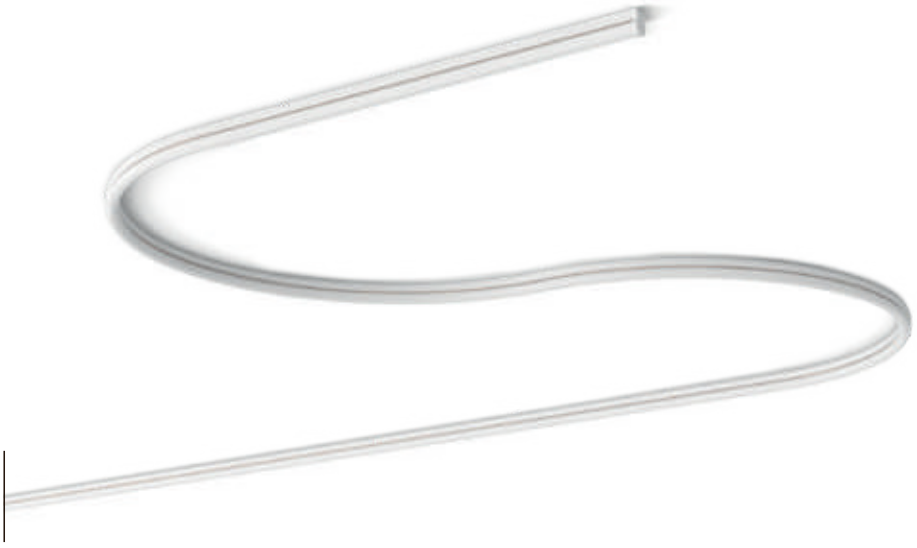
FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

My Circuit Profile

☐ C5 White
C5 Blanco



Spots · My Circuit Profile

☐ C5 White
C5 Blanco

MY CIRCUIT
SPOT Ø25



☐

LIGHT SOURCE
POWER LED
Up to 4W
260 lm
2700K/CRI 90
262 lm
3000K/CRI 90

MY CIRCUIT
SPOT Ø35



☐

LIGHT SOURCE
LED ARRAY
Up to 8W
623 lm
2700K/CRI 90
641 lm
3000K/CRI 90

MY CIRCUIT
LIGHT SHADOW
SPOT Ø30



☐

LIGHT SOURCE
POWER LED
Up to 4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

MY CIRCUIT
LIGHT SHADOW
SPOT Ø45



☐

LIGHT SOURCE
LED ARRAY
Up to 8W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

NEW

Suspension Fixtures · My Circuit Profile

☐ C5 White
C5 Blanco

MY CIRCUIT DISC



☐

LIGHT SOURCE
TOP LED
42W
4310 lm
2700K/CRI 90
4515 lm
3000K/CRI 90

MY CIRCUIT LINES



☐

LIGHT SOURCE
TOP LED
2 x 23W
2 x 2360 lm
2700K/CRI 90
2 x 2470 lm
3000K/CRI 90

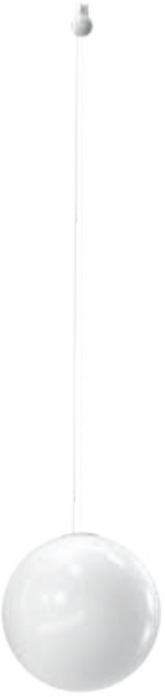
MY CIRCUIT DOME



☐

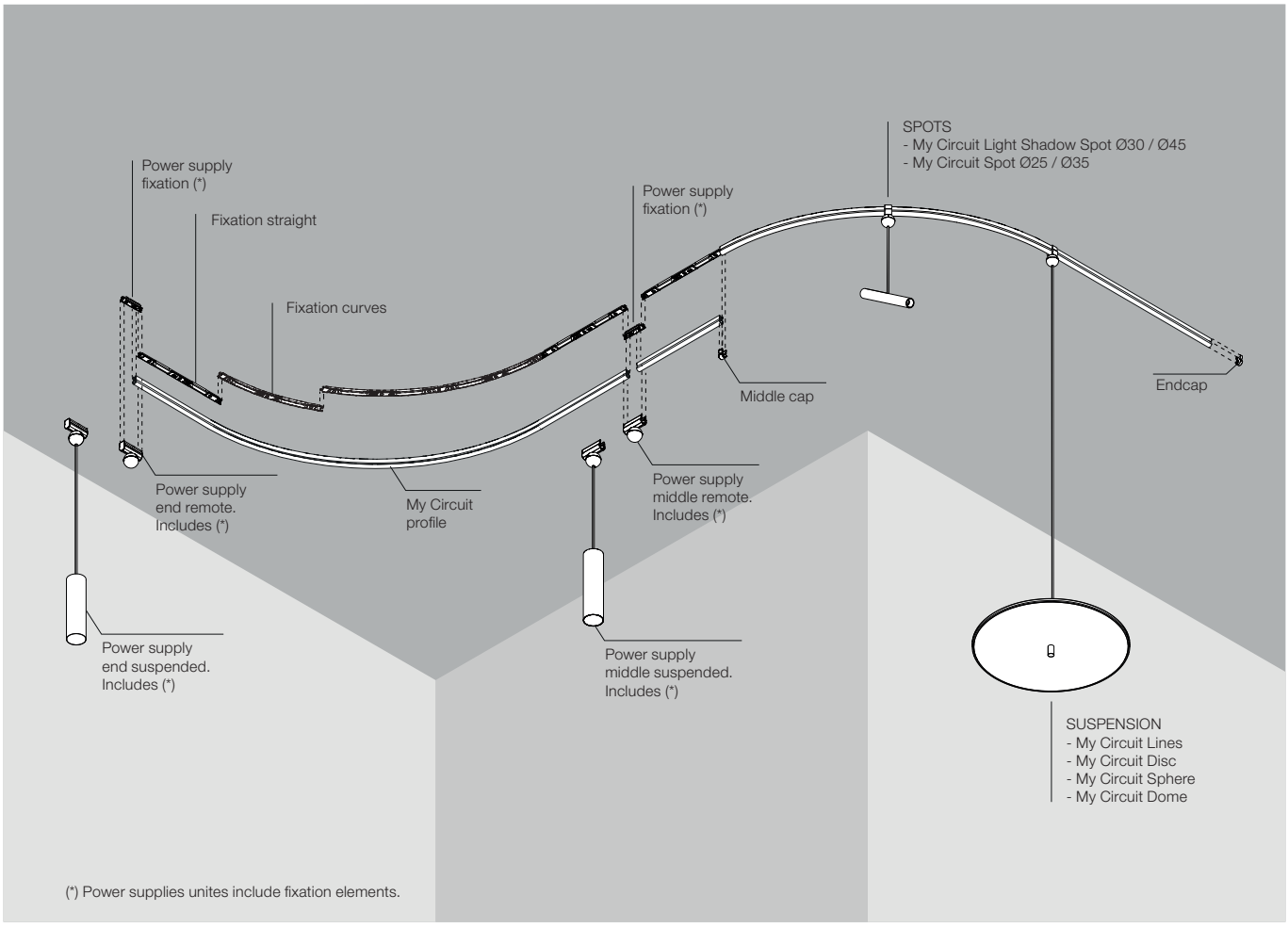
LIGHT SOURCE
TOP LED
40W
2110 lm
2700K / CRI 90
2296 lm
3000K / CRI 90

MY CIRCUIT SPHERE



☐

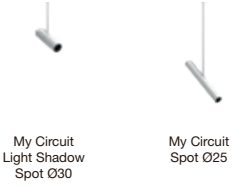
LIGHT SOURCE
TOP LED
40W
2278 lm
2700K / CRI 90
2467 lm
3000K / CRI 90



PHYSICAL CHARACTERISTICS	
Mounting	Surface
Voltage	48Vdc
Track Adapter	My Circuit Adapter
Height	40 mm
Width	24 mm
Length	8 / 15 / 20 m
CONTROL CHARACTERISTICS	
No Dim	✓
Casambi	✓

COMPATIBLE LIGHT MODULES

Accent Lighting



My Circuit Light Shadow Spot Ø30

My Circuit Spot Ø25



My Circuit Light Shadow Spot Ø45

My Circuit Spot Ø35

Diffused Lighting



My Circuit Dome

My Circuit Sphere



My Circuit Disc

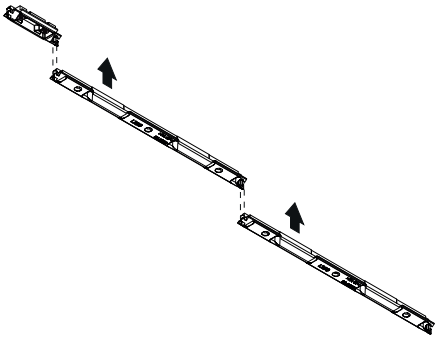
My Circuit Lines

NEW

My Circuit - Installation Details / Instalación

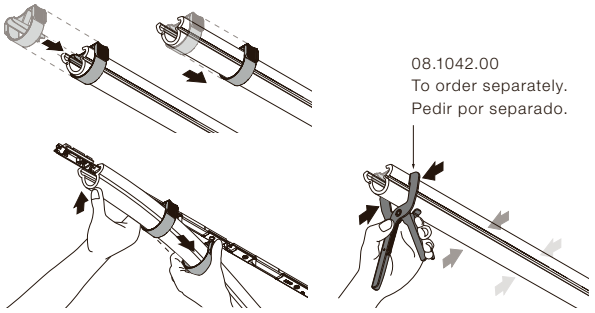
1. Simply select, splice and install your chosen fixations on the ceiling to configure the My Circuit route.

1. Selecciona, empalma e instala en el techo las fijaciones elegidas para configurar el recorrido de My Circuit.



2. Cut the My Circuit profile segment to the required length. Press to insert the flexible track. Start at one end of the profile.

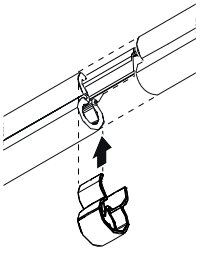
2. Corta el segmento de My Circuit profile en la longitud necesaria. Inserta por presión el carril flexible. La implementación debe empezar por un extremo.



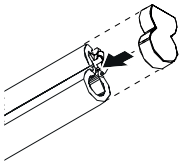
08.1042.00
To order separately.
Pedir por separado.

3. Insert a Middle Cap accessory in intermediate cuts in the flexible track. At the end of the circuit, insert an End Cap.

3. En los cortes intermedios de carril flexible, aplica el accesorio Middle Cap. Al final del recorrido, el End Cap.



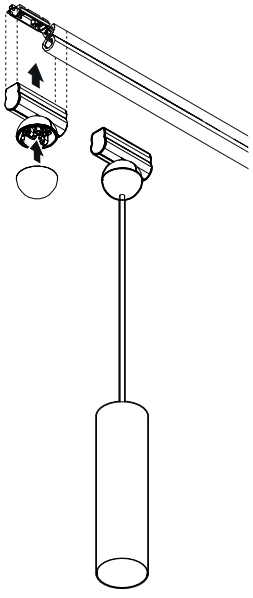
Middle Cap



End Cap

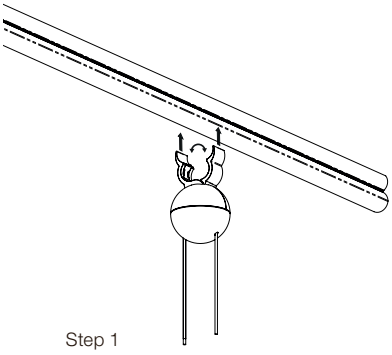
4. Install the power module (remote or suspended) in the desired position (intermediate or at one end). This module includes its own ceiling fixation.

4. En la posición deseada (intermedia o en un extremo), implementa el módulo de alimentación (remoto o suspendido). Este módulo incluye su fijación a techo propia.

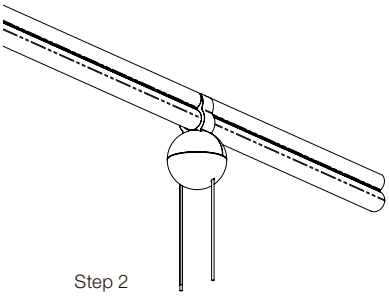


5. Place the luminaires in the desired position using their My Circuit-specific adapters. See the installation instructions for more details.

5. Coloca las luminarias en la posición deseada, gracias a sus adaptadores específicos para My Circuit. Ver detalles en instrucciones de instalación.



Step 1



Step 2

NEW

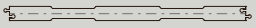
HOW TO ORDER

1 DESIGN YOUR LAYOUT & SELECT MY CIRCUIT FIXATIONS

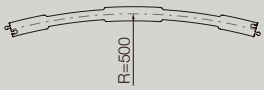
My Circuit Power Supply Fixation
L= 48 / Included in Power Supplies



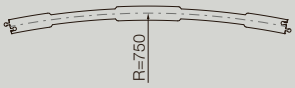
My Circuit Fixation Straight
L= 250 / 1000 / 1500 / 2000 / 2500 / 3000



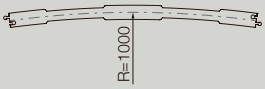
My Circuit Fixation Curve R 500
30° / 90° / 180°



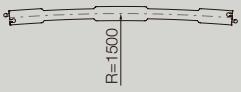
My Circuit Fixation Curve R 750
22,5° / 45° / 90° / 135° / 180°



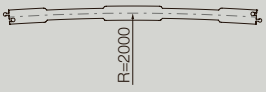
My Circuit Fixation Curve R 1000
15° / 45° / 90° / 135° / 180°



My Circuit Fixation Curve R 1500
9° / 45° / 90° / 135° / 180°



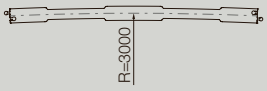
My Circuit Fixation Curve R 2000
7,5° / 45° / 90° / 135° / 180°



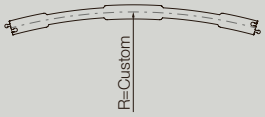
My Circuit Fixation Curve R 2500
5° / 45° / 90° / 135° / 180°



My Circuit Fixation Curve R 3000
5° / 45° / 90° / 135° / 180°



My Circuit Fixation Curve R Custom



2 SELECT & DEFINE PLACEMENT OF LIGHT MODULES IN YOUR LAYOUT

No DIM / Casambi

My Circuit Light Shadow Spot Ø30



S/M/F

My Circuit Light Shadow Pro Ø45



S/M/F

My Circuit Spot Ø25



S/M/F

My Circuit Spot Ø35



S/M/F

Casambi

My Circuit Dome



General lighting

My Circuit Sphere



General lighting

My Circuit Lines



General lighting

My Circuit Disc



General lighting

NEW

3 SELECT POWER SUPPLY & ADJUST YOUR FINAL LAYOUT

Power Supply Remote

Accessories

Feed Connector End Remote



Feed Connector Middle Remote



+

Drivers

320W



240W



150W



Suspended Power Supply

Power Supply End Suspended
240W / 150W



Power Supply Middle Suspended
240W / 150W



4 SELECT MY CIRCUIT PROFILE & ACCESSORIES

My Circuit Profile
L: 8000 / 15000 / 20000 mm





My Circuit Mounting Tool
(included)

Accessories

End Cap



Middle Cap



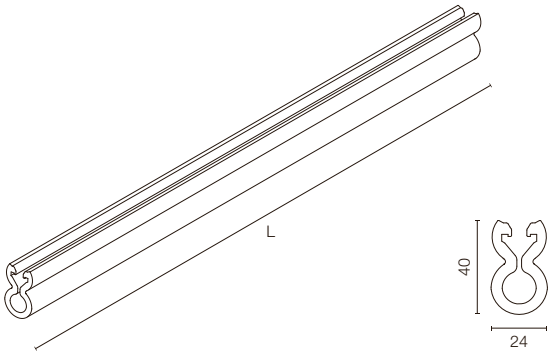
My Circuit Profiles

Flexible electromechanical profile available in various lengths, designed to be cut by the customer to the exact length required for each project. The profile is supplied in a spiral roll. It must be unrolled before installation.

Select the required length based on the sum of the lengths of: the straight fixations, the arcs of the curved fixations and the track inserts in the power adapter fixations (marked on its dimensional drawings).

Perfil electro-mecánico flexible disponible en varias longitudes, diseñado para ser cortado por el cliente en la longitud exacta deseada en cada proyecto. El perfil se sirve enrollado en espiral. Desplegar antes de instalar.

Seleccionar la longitud necesaria según la suma de longitudes de: las fijaciones rectas, los arcos de las fijaciones curvas y las inserciones del carril en las fijaciones de los adaptadores de alimentación (marcadas en sus dibujos dimensionales).

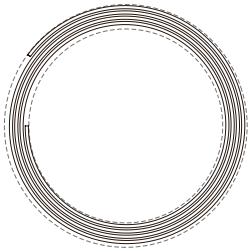


L: 8 m / 15 m / 20 m

CE

III

IP
20



L: 8000 mm
06.0330.C5

L: 15000 mm
06.0331.C5

L: 20000 mm
06.0332.C5



My Circuit Mounting Tool (included).

Herramienta de montaje de My Circuit (incluida).

My Circuit Fixation Straight

Straight fixture. Minimum section 250 mm. Kits of different lengths made up of several minimum splicable sections.

Fijación recta. Tramo mínimo de 250mm. Kits de diferentes longitudes compuestos por varios tramos mínimos empalmables.





L: 250 mm
06.0335.00

Kit L: 1000 mm (4x 06.0335.00)
06.0366.00

Kit L: 1500 mm (6x 06.0335.00)
06.0367.00

Kit L: 2000 mm (8x 06.0335.00)
06.0368.00

Kit L: 2500 mm (10x 06.0335.00)
06.0369.00

Kit L: 3000 mm (12x 06.0335.00)
06.0370.00

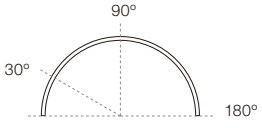
My Circuit Fixation Curve R 500

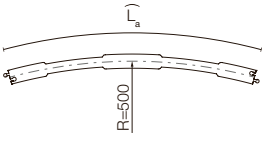
R 500 curved fixture. Minimum angle 30º. 90º and 180º kits are available, made up of several minimum splicable angles.

Fijación curva R 500. Ángulo mínimo de 30º. Kits de 90º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.

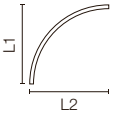


Minimum angle 30º
Kit angles 90º / 180º

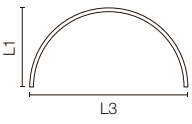




R 500 - 30º
L_a: 262 mm
06.0336.00



R 500 - Kit 90º (3x 06.0336.00)
L_a: 785 mm
L1: 500 mm L2: 500 mm
06.0371.00



R 500 - Kit 180º (6x 06.0336.00)
L_a: 1571 mm
L1: 500 mm L3: 1000 mm
06.0372.00

NEW

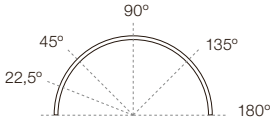
My Circuit Fixation Curve R 750

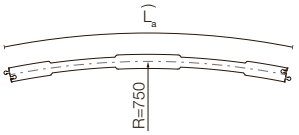
R 750 curved fixture. Minimum angle 22.5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 750. Ángulo mínimo de 22,5º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.



Minimum angle 22,5º
Kit angles 45º / 90º / 135º / 180º

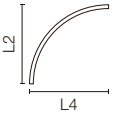




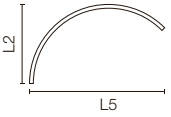
R 750 - 22,5º
L_a: 294,5 mm
06.0337.00



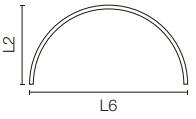
R 750 - Kit 45º (2x 06.0337.00)
L_a: 589 mm
L1: 530 mm L3: 220 mm
06.0373.00



R 750 - Kit 90º (4x 06.0337.00)
L_a: 1178 mm
L2: 750 mm L4: 750 mm
06.0374.00



R 750 - Kit 135º (6x 06.0337.00)
L_a: 1767 mm
L2: 750 mm L5: 1280 mm
06.0375.00



R 750 - Kit 180º (8x 06.0337.00)
L_a: 2356 mm
L2: 750 mm L6: 1500 mm
06.0376.00

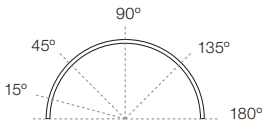
My Circuit Fixation Curve R 1000

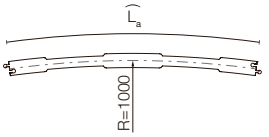
R 1000 curved fixture. Minimum angle 15º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 1000. Ángulo mínimo de 15º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.



Minimum angle 15º
Kit angles 45º / 90º / 135º / 180º

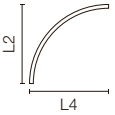




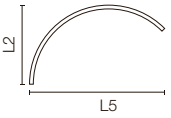
R 1000 - 15º
L_a: 262 mm
06.0338.00



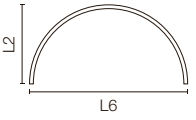
R 1000 - Kit 45º (3x 06.0338.00)
L_a: 785 mm
L1: 707 mm L3: 293 mm
06.0377.00



R 1000 - Kit 90º (6x 06.0338.00)
L_a: 1570 mm
L2: 1000 mm L4: 1000 mm
06.0378.00



R 1000 - Kit 135º (9x 06.0338.00)
L_a: 2356 mm
L2: 1000 mm L5: 1707 mm
06.0379.00



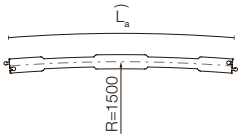
R 1000 - Kit 180º (12x 06.0338.00)
L_a: 3141 mm
L2: 1000 mm L6: 2000 mm
06.0380.00

My Circuit Fixation Curve R 1500

R 1500 curved fixture. Minimum angle 9º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 1500. Ángulo mínimo de 9º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.

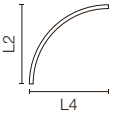




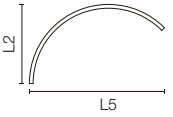
R 1500 - 9º
L_a: 236 mm
06.0339.00



R 1500 - Kit 45º (5x 06.0339.00)
L_a: 1178 mm
L1: 1061 mm L3: 439 mm
06.0381.00

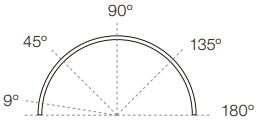


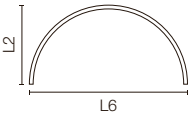
R 1500 - Kit 90º (10x 06.0339.00)
L_a: 2356 mm
L2: 1500 mm L4: 1500 mm
06.0382.00



R 1500 - Kit 135º (15x 06.0339.00)
L_a: 3534 mm
L2: 1500 mm L5: 2561 mm
06.0383.00

Minimum angle 9º
Kit angles 45º / 90º / 135º / 180º





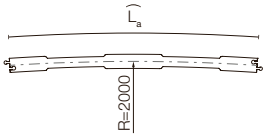
R 1500 - Kit 180º (20x 06.0339.00)
AL: 4712 mm
L2: 1500 mm L6: 3000 mm
06.0384.00

My Circuit Fixation Curve R 2000

R 2000 curved fixture. Minimum angle 7.5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 2000. Ángulo mínimo de 7,5º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.

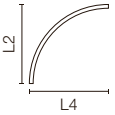




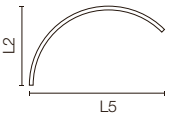
R 2000 - 7,5º
L_a: 262 mm
06.0340.00



R 2000 - Kit 45º (6x 06.0340.00)
L_a: 1571 mm
L1: 1414 mm L3: 586 mm
06.0385.00

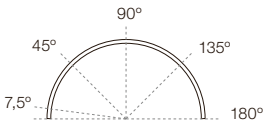


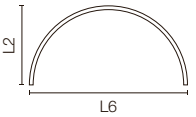
R 2000 - Kit 90º (12x 06.0340.00)
L_a: 3142 mm
L2: 2000 mm L4: 2000 mm
06.0386.00



R 2000 - Kit 135º (18x 06.0340.00)
L_a: 4712 mm
L2: 2000 mm L5: 3414 mm
06.0387.00

Minimum angle 7,5º
Kit angles 45º / 90º / 135º / 180º





R 2000 - Kit 180º (24x 06.0340.00)
L_a: 6283 mm
L2: 2000 mm L6: 4000 mm
06.0388.00

NEW

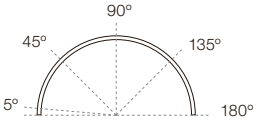
My Circuit Fixation Curve R 2500

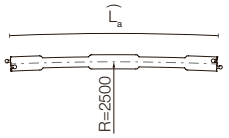
R 2500 curved fixture. Minimum angle 5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 2500. Ángulo mínimo de 5º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.



Minimum angle 5º
Kit angles 45º / 90º / 135º / 180º

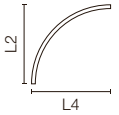




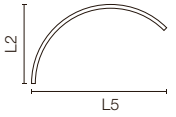
R 2500 - 5º
L_a: 218 mm
06.0341.00



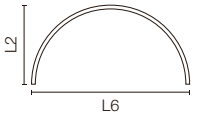
R 2500 - Kit 45º (9x 06.0341.00)
L_a: 1963 mm
L1: 1768 mm L3: 732 mm
06.0389.00



R 2500 - Kit 90º (18x 06.0341.00)
L_a: 3927 mm
L2: 2500 mm L4: 2500 mm
06.0390.00



R 2500 - Kit 135º (27x 06.0341.00)
L_a: 5890 mm
L2: 2500 mm L5: 4268 mm
06.0391.00



R 2500 - Kit 180º (36x 06.0341.00)
L_a: 7854 mm
L2: 2500 mm L6: 5000 mm
06.0392.00

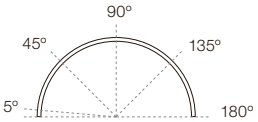
My Circuit Fixation Curve R 3000

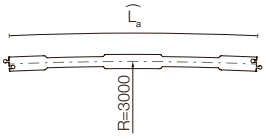
R 3000 curved fixture. Minimum angle 5º. 45º, 90º, 135º and 180º kits available, made up of several minimum splicable angles.

Fijación curva R 3000. Ángulo mínimo de 5º. Kits de 45º, 90º, 135º y 180º disponibles, compuestos por varios ángulos mínimos empalmables.



Minimum angle 5 º
Kit angles 45º / 90º / 135º / 180º

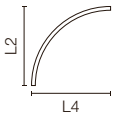




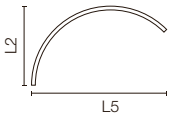
R 3000 - 5º
L_a: 262 mm
06.0342.00



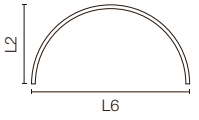
R 3000 - Kit 45º (9x 06.0342.00)
L_a: 2356 mm
L1: 2121 mm L3: 879 mm
06.0393.00



R 3000 - Kit 90º (18x 06.0342.00)
L_a: 4712 mm
L2: 3000 mm L4: 3000 mm
06.0394.00



R 3000 - Kit 135º (27x 06.0342.00)
L_a: 7069 mm
L2: 3000 mm L5: 5121 mm
06.0395.00



R 3000 - Kit 180º (36x 06.0342.00)
L_a: 9425 mm
L2: 3000 mm L6: 6000 mm
06.0396.00

NEW

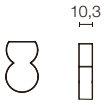
MY CIRCUIT — ACCESSORIES

Accessories / Accesorios

End trim cap. For use at the ends of the My Circuit circuit (only if necessary).

Tapa embellecedora final. Para aplicar en los extremos del recorrido de My Circuit (sólo si es necesario).



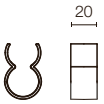


06.0350.C5

Intermediate trim cap. For use on cuts in the My Circuit flexible track (only if necessary).

Tapa embellecedora intermedia. Para aplicar en los cortes del carril flexible de My Circuit (sólo si es necesario).



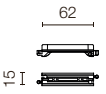


06.0351.C5

Accessory for closed loop installations. To join the ends of the My Circuit route (Mandatory for this type of installation).

Accesorio para instalaciones en circuito cerrado. Para juntar los extremos del recorrido de My Circuit (Obligatorio para este tipo de instalación).



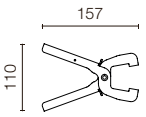


06.0343.00

Profile fixing tool. To ensure that the profile is clipped along its entire length once installed.

Herramienta para fijar el perfil. Para asegurar que el perfil esta clipado en toda la longitud una vez instalado.





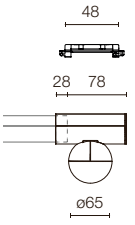
08.1042.00

Remote Drivers Accessories

Accessory for connecting My Circuit to the remote power supply. Driver not included. For use at the ends of the circuit (if necessary).

Accesorio para la conexión de My Circuit a la alimentación remota. Driver no incluido. Para aplicar en los extremos del recorrido (si es necesario).



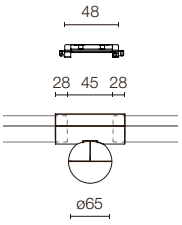


06.0352.C5

Accessory for connecting My Circuit to the remote power supply. Driver not included. For use in intermediate positions along the circuit (if necessary).

Accesorio para la conexión de My Circuit a la alimentación remota. Driver no incluido. Para aplicar en posición intermedia del recorrido (si es necesario).





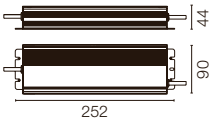
06.0353.C5

Remote Drivers

Constant voltage power supply 48V - 320W, 100 -110V / 120/277V - 50/60Hz.

Fuente de alimentación de tensión constante 48V - 320W, 100-110V / 120/277V - 50/60Hz.



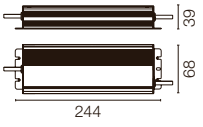


60.9741

Constant voltage power supply 48V - 240W, 100 -110V / 120/277V - 50/60Hz.

Fuente de alimentación de tensión constante 48V - 240W, 100-110V / 120/277V - 50/60Hz.



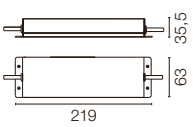


60.8723

Constant voltage power supply 48V - 150W, 100-110V / 120/277V - 50/60Hz.

Fuente de alimentación de tensión constante 48V - 150W, 100-110V / 120/277V - 50/60Hz.



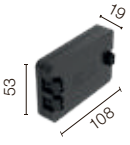


60.9781

Control Units / Unidades de Control

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.



DIM 1-10V >> Casambi

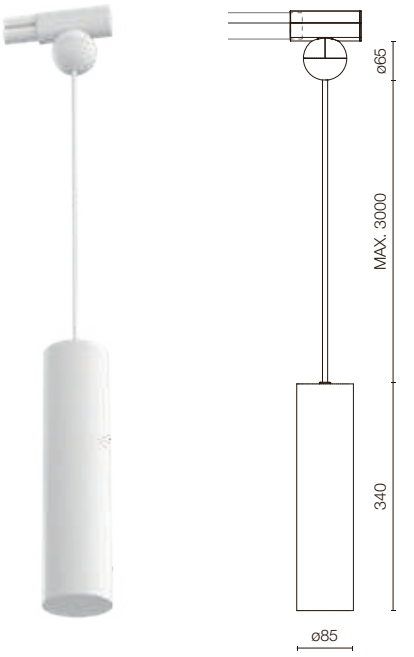
08.0824.14

NEW

Suspended Drivers

Accessory for connecting My Circuit to the suspended power supply. Driver included (48V). For use at the ends of the circuit (if necessary).
My Circuit Power Supply Fixation, included.

Accesorio para la conexión de My Circuit a la alimentación suspendida. Driver incluido (48V). Para aplicar en los extremos del recorrido (si es necesario).
Fijación de la fuente de alimentación de My Circuit (incluida).

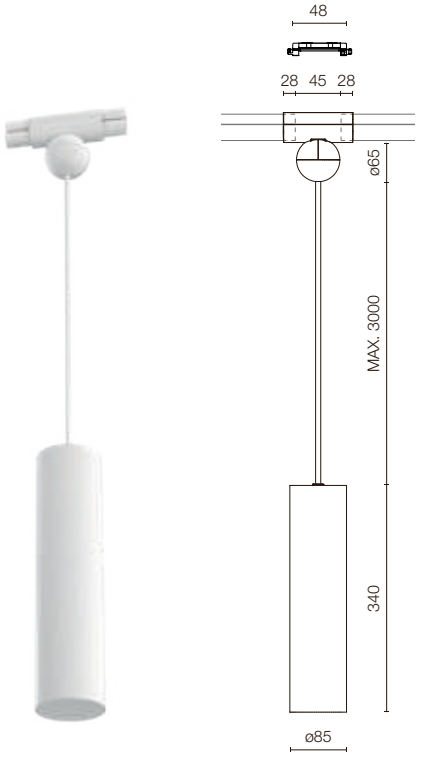


240W · 100-240Vac
240W · 180-240Vac
180W · 100-180Vac
06.0354.C5

150W · 100-240Vac
150W · 180-240Vac
105W · 100-180Vac
06.0403.C5

Accessory for connecting My Circuit to the suspended power supply. Driver included (48V). For use in intermediate positions along the circuit (if necessary).
My Circuit Power Supply Fixation, included.

Accesorio para la conexión de My Circuit a la alimentación suspendida. Driver incluido (48V). Para aplicar en posición intermedia del recorrido (si es necesario).
Fijación de la fuente de alimentación de My Circuit (incluida).



240W · 100-240Vac
240W · 180-240Vac
180W · 100-180Vac
06.0355.C5

150W · 100-240Vac
150W · 180-240Vac
105W · 100-180Vac
06.0404.C5

Drivers & Track Configuration Requirements / Requisitos de configuración de los drivers y de los carriles

Maximum length of secondary cable (section 1.5mm²): 5 metres from the driver to the track.
Maximum track length 20 metres.

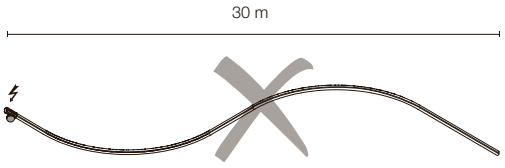
Longitud máxima del cable secundario (seccion 1.5mm²):
5 metros desde el driver al track.
Longitud máxima track 20 metros.

		Remote Drivers			Suspended Drivers	
Light Modules	Fixture W	150W 60.9781	240W 60.8723	320W 60.9741	150W 06.0403.C5 / 06.0404.C5	240W 06.0354.C5 / 06.0355.C5
	3,5W	42 units	68 units	91 units	42 units	68 units
	4W	32 units	50 units	68 units	32 units	50 units
	7,5W	20 units	32 units	42 units	20 units	32 units
	8W	16 units	25 units	34 units	16 units	25 units
	40W	3 units	5 units	6 units	3 units	5 units
	40W	3 units	5 units	6 units	3 units	5 units
	42W	3 units	5 units	6 units	3 units	5 units
	44W	3 units	4 units	6 units	3 units	4 units

Configuration examples / Ejemplos de configuración

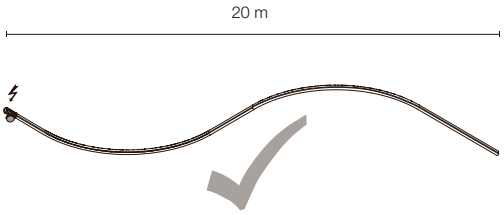
Example of incorrect configuration:
Distance KO.

Ejemplo de configuración incorrecta:
Distancia KO.



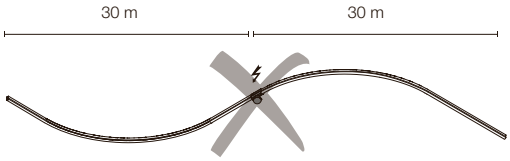
Example of correct configuration:
Distance OK.

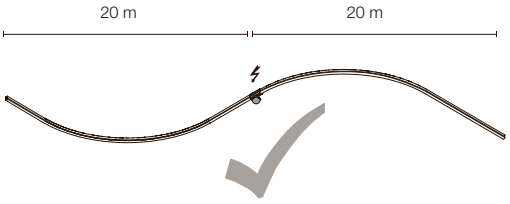
Ejemplo de configuración correcta:
Distancia OK.



Power Suply - Position End

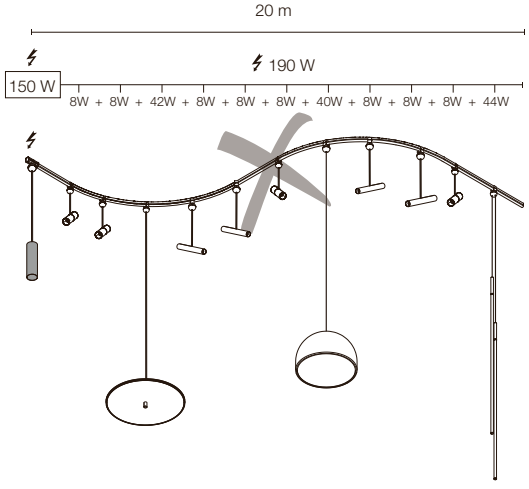
Power Suply - Position Middle





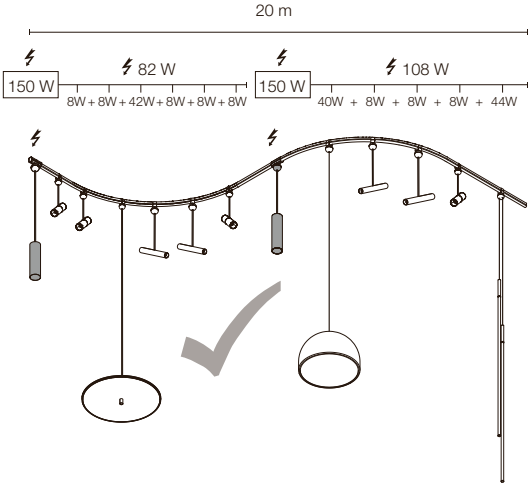
Example of incorrect configuration:
Distance OK / Power KO.

Ejemplo de configuración incorrecta:
Distancia OK / Power KO.



Example of correct configuration:
Distance OK / Power OK.

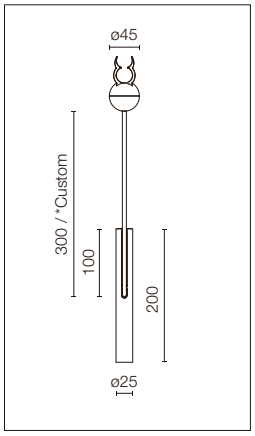
Ejemplo de configuración correcta:
Distancia OK / Power OK.

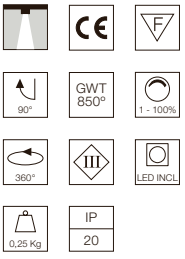


My Circuit Spot Ø25

Light Source: Power LED Non Dimmable 3,5W - 260 lm - 2700K/CRI 90 / 262 lm - 3000K/ CRI 90
Power LED Casambi 4W - 260 lm - 2700K/CRI 90 / 262 lm - 3000K/ CRI 90







LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

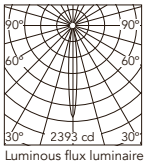
Módulo de iluminación LED para ser instalado en el sistema My Circuit. Óptica con tecnología de lentes de doble focal, bajo deslumbramiento y alto confort visual. Orientable mediante giro y basculación. En posición downlight, el brazo de conexión al carril queda perfectamente enrasado con el producto. Casambi para control inalámbrico. Casambi, distancia máxima entre luminarias: 12m.
* Para longitud personalizada del brazo de conexión a carril, consultar.

Optic Spot - 2700K

Non Dimmable
☐ 05.2900.C5

Casambi
☐ 05.2920.C5

11°



Luminous flux luminaire
132 lm

Beam Angle: 11°

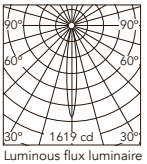
h(m)	E(lx)	D(m)
1	2393	0.18
2	598	0.37
3	266	0.55
4	150	0.74
5	96	0.92

Optic Spot - 3000K

Non Dimmable
☐ 05.2905.C5

Casambi
☐ 05.2925.C5

13°



Luminous flux luminaire
115 lm

Beam Angle: 13°

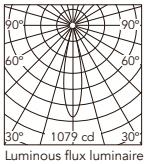
h(m)	E(lx)	D(m)
1	1619	0.22
2	405	0.44
3	180	0.66
4	101	0.88
5	65	1.10

Optic Medium - 2700K

Non Dimmable
☐ 05.2901.C5

Casambi
☐ 05.2921.C5

22°



Luminous flux luminaire
145 lm

Beam Angle: 22°

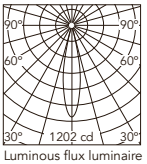
h(m)	E(lx)	D(m)
1	1079	0.39
2	270	0.77
3	120	1.16
4	67	1.54
5	43	1.93

Optic Medium - 3000K

Non Dimmable
☐ 05.2906.C5

Casambi
☐ 05.2926.C5

21°



Luminous flux luminaire
148 lm

Beam Angle: 21°

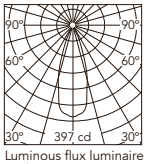
h(m)	E(lx)	D(m)
1	1202	0.37
2	300	0.75
3	134	1.12
4	75	1.49
5	48	1.86

Optic Flood - 2700K

Non Dimmable
☐ 05.2902.C5

Casambi
☐ 05.2922.C5

35°



Luminous flux luminaire
135 lm

Beam Angle: 35°

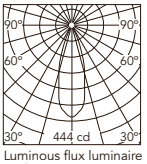
h(m)	E(lx)	D(m)
1	397	0.63
2	99	1.26
3	44	1.89
4	25	2.51
5	16	3.14

Optic Flood - 3000K

Non Dimmable
☐ 05.2907.C5

Casambi
☐ 05.2927.C5

32°



Luminous flux luminaire
142 lm

Beam Angle: 32°

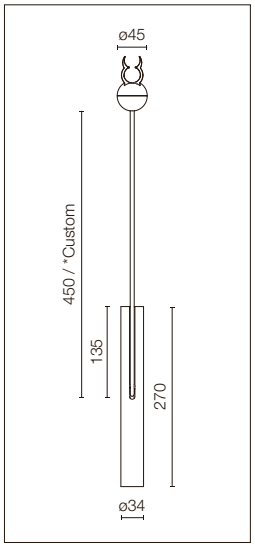
h(m)	E(lx)	D(m)
1	444	0.58
2	111	1.16
3	49	1.75
4	28	2.33
5	18	2.91

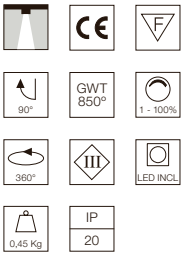
NEW

My Circuit Spot Ø35

Light Source: LED Array Non Dimmable 7,5W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/ CRI 90
LED Array Casambi 8W - 623 lm - 2700K/CRI 90 / 641 lm - 3000K/ CRI 90







LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 6m.
* Ask us about bespoke track connector arm lengths.

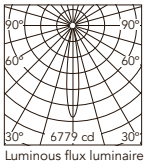
Módulo de iluminación LED para ser instalado en el sistema My Circuit. Óptica con tecnología de lentes de doble focal, bajo deslumbramiento y alto confort visual. Orientable mediante giro y basculación. En posición downlight, el brazo de conexión al carril queda perfectamente enrasado con el producto. Casambi para control inalámbrico. Casambi, distancia máxima entre luminarias: 6m.
* Para longitud personalizada del brazo de conexión a carril, consultar.

Optic Spot - 2700K

Non Dimmable
☐ 05.2910.C5

Casambi
☐ 05.2930.C5





Luminous flux luminaire
487 lm

Beam Angle: 15°

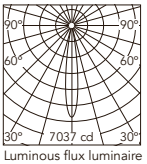
h(m)	E(lx)	D(m)
1	6779	0.26
2	1695	0.51
3	753	0.77
4	424	1.02
5	271	1.28

Optic Spot - 3000K

Non Dimmable
☐ 05.2915.C5

Casambi
☐ 05.2935.C5





Luminous flux luminaire
507 lm

Beam Angle: 15°

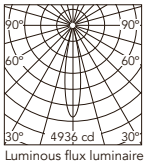
h(m)	E(lx)	D(m)
1	7037	0.26
2	1759	0.52
3	782	0.78
4	440	1.04
5	281	1.30

Optic Medium - 2700K

Non Dimmable
☐ 05.2911.C5

Casambi
☐ 05.2931.C5





Luminous flux luminaire
525 lm

Beam Angle: 19°

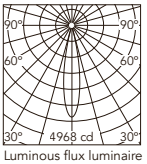
h(m)	E(lx)	D(m)
1	4936	0.34
2	1234	0.68
3	548	1.02
4	308	1.36
5	197	1.70

Optic Medium - 3000K

Non Dimmable
☐ 05.2916.C5

Casambi
☐ 05.2936.C5





Luminous flux luminaire
548 lm

Beam Angle: 20°

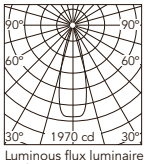
h(m)	E(lx)	D(m)
1	4968	0.35
2	1242	0.69
3	552	1.04
4	311	1.39
5	199	1.73

Optic Flood - 2700K

Non Dimmable
☐ 05.2912.C5

Casambi
☐ 05.2932.C5





Luminous flux luminaire
538 lm

Beam Angle: 30°

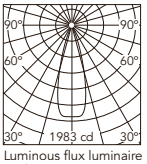
h(m)	E(lx)	D(m)
1	1970	0.54
2	492	1.09
3	219	1.63
4	123	2.18
5	79	2.72

Optic Flood - 3000K

Non Dimmable
☐ 05.2917.C5

Casambi
☐ 05.2937.C5





Luminous flux luminaire
559 lm

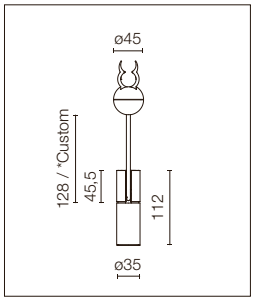
Beam Angle: 31°

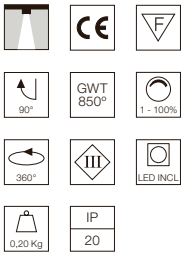
h(m)	E(lx)	D(m)
1	1983	0.56
2	496	1.11
3	220	1.67
4	124	2.22
5	79	2.78

My Circuit Light Shadow Spot Ø30

Light Source: Power LED Non Dimmable 3,5W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/ CRI 90
Power LED Casambi 4W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/ CRI 90







LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

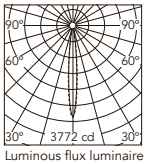
Módulo de iluminación LED para ser instalado en el sistema My Circuit. Óptica con tecnología de lentes de doble focal, bajo deslumbramiento y alto confort visual. Orientable mediante giro y basculación. En posición downlight, el brazo de conexión al carril queda perfectamente enrasado con el producto. Casambi para control inalámbrico. Casambi, distancia máxima entre luminarias: 12m.
* Para longitud personalizada del brazo de conexión a carril, consultar.

Optic Spot - 2700K

Non Dimmable
☐ 05.2950.C5

Casambi
☐ 05.2970.C5





Luminous flux luminaire
209 lm

Beam Angle: 10°

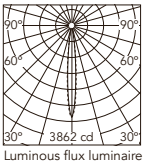
h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

Optic Spot - 3000K

Non Dimmable
☐ 05.2955.C5

Casambi
☐ 05.2975.C5





Luminous flux luminaire
214 lm

Beam Angle: 10°

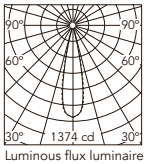
h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

Optic Medium - 2700K

Non Dimmable
☐ 05.2951.C5

Casambi
☐ 05.2971.C5





Luminous flux luminaire
201 lm

Beam Angle: 22°

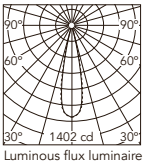
h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

Optic Medium - 3000K

Non Dimmable
☐ 05.2956.C5

Casambi
☐ 05.2976.C5





Luminous flux luminaire
205 lm

Beam Angle: 22°

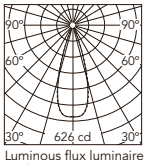
h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

Non Dimmable
☐ 05.2952.C5

Casambi
☐ 05.2972.C5





Luminous flux luminaire
200 lm

Beam Angle: 33°

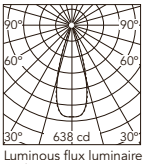
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Optic Flood - 3000K

Non Dimmable
☐ 05.2957.C5

Casambi
☐ 05.2977.C5





Luminous flux luminaire
204 lm

Beam Angle: 33°

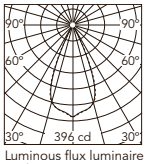
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Optic Wide Flood - 2700K

Non Dimmable
☐ 05.2953.C5

Casambi
☐ 05.2973.C5





Luminous flux luminaire
209 lm

Beam Angle: 46°

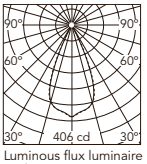
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Optic Wide Flood - 3000K

Non Dimmable
☐ 05.2958.C5

Casambi
☐ 05.2978.C5





Luminous flux luminaire
214 lm

Beam Angle: 46°

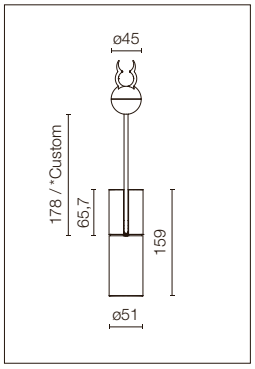
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

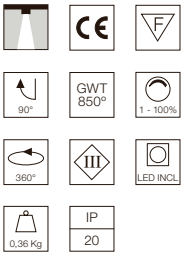
NEW

My Circuit Light Shadow Spot Ø45

Light Source: LED Array Non Dimmable 7,5W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/ CRI 90
LED Array Casambi 8W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/ CRI 90







LED lighting module for installation in the My Circuit system. Optical with double focal lens technology, low glare and high visual comfort. Adjustable by tilting and turning. In the downlight position, the track connector arm is perfectly flush with the product. Casambi version for wireless control. Casambi, maximum distance between fixtures: 12m.
* Ask us about bespoke track connector arm lengths.

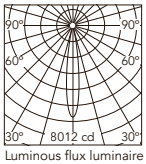
Módulo de iluminación LED para ser instalado en el sistema My Circuit. Óptica con tecnología de lentes de doble focal, bajo deslumbramiento y alto confort visual. Orientable mediante giro y basculación. En posición downlight, el brazo de conexión al carril queda perfectamente enrasado con el producto. Casambi para control inalámbrico. Casambi, distancia máxima entre luminarias: 12m.
* Para longitud personalizada del brazo de conexión a carril, consultar.

Optic Spot - 2700K

Non Dimmable
☐ 05.2960.C5

Casambi
☐ 05.2980.C5

15°



Luminous flux luminaire
650 lm

Beam Angle: 15°

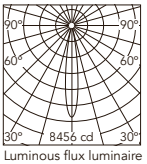
h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Spot - 3000K

Non Dimmable
☐ 05.2965.C5

Casambi
☐ 05.2985.C5

15°



Luminous flux luminaire
686 lm

Beam Angle: 15°

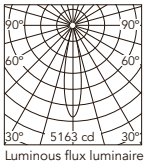
h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Optic Medium - 2700K

Non Dimmable
☐ 05.2961.C5

Casambi
☐ 05.2981.C5

21°



Luminous flux luminaire
645 lm

Beam Angle: 21°

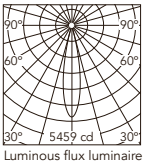
h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

Optic Medium - 3000K

Non Dimmable
☐ 05.2966.C5

Casambi
☐ 05.2986.C5

21°



Luminous flux luminaire
682 lm

Beam Angle: 21°

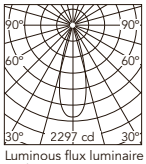
h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

Non Dimmable
☐ 05.2962.C5

Casambi
☐ 05.2982.C5

31°



Luminous flux luminaire
646 lm

Beam Angle: 31°

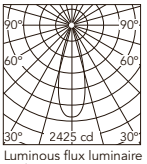
h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

Non Dimmable
☐ 05.2967.C5

Casambi
☐ 05.2987.C5

31°



Luminous flux luminaire
682 lm

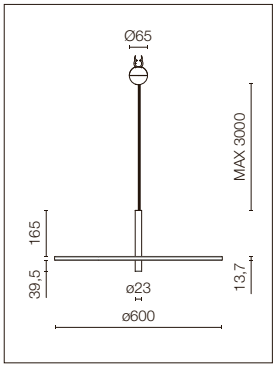
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

My Circuit Disc

Light Source: TOP LED 42W - 4310 lm - 2700K/CRI 90 / 42W - 4515 lm - 3000K/CRI 90



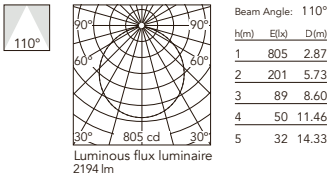


IP 20 · LED INCL · 4,55 Kg · 1 - 100% · CE · III

Suspended luminaire for installation in the My Circuit system. Diffused Down emission. Adjustable suspension height. Casambi version for wireless control.

Luminaria de suspensión para ser instalada en el sistema My Circuit. Emisión difusa Down. Altura de suspensión ajustable. Casambi para control inalámbrico.

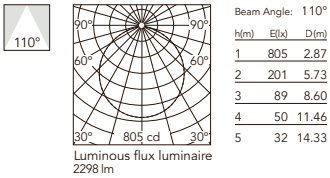
2700K
Casambi
☐ 05.2990.C5



Luminous flux luminaire
2194 lm

Beam Angle: 110°		
h(m)	E(lx)	D(m)
1	805	2.87
2	201	5.73
3	89	8.60
4	50	11.46
5	32	14.33

3000K
Casambi
☐ 05.2992.C5



Luminous flux luminaire
2298 lm

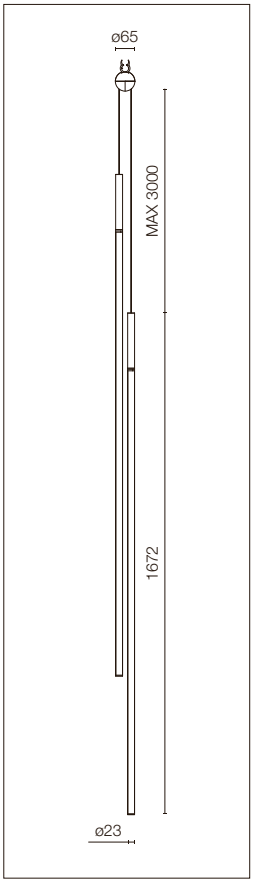
Beam Angle: 110°		
h(m)	E(lx)	D(m)
1	805	2.87
2	201	5.73
3	89	8.60
4	50	11.46
5	32	14.33

NEW

My Circuit Lines

Light Source: TOP LED 2 x 23W - 2 x 2360 lm - 2700K/CRI 90 / 2 x 23W - 2 x 2470 lm - 3000K/CRI 90





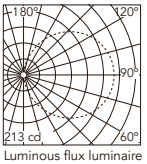
IP 20 | LED INCL | 2,01 Kg | 1 - 100% | 360° | CE | III

Suspended luminaire for installation in the My Circuit system. Lateral, independently adjustable diffuse emission (by rotating on the axis of the product) for each line. Adjustable suspension height. In principle, we recommend a suspension distance in order to achieve the same functionality as a freestanding luminaire. Casambi version for wireless control.

Luminaria de suspensión para ser instalada en el sistema My Circuit. Emisión difusa lateral de orientación independiente (por giro sobre el eje del producto) en cada línea. Altura de suspensión ajustable. Conceptualmente, se recomienda una distancia de suspensión para cumplir la funcionalidad equivalente a la de una luminaria de pie. Casambi para control inalámbrico.

2700K
Casambi
☐ 05.2991.C5





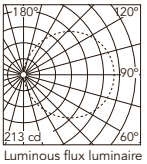
Luminous flux luminaire
2 x 1393 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	296	3.01
2	74	6.03
3	33	9.04
4	19	12.06
5	12	15.07

3000K
Casambi
☐ 05.2993.C5





Luminous flux luminaire
2 x 1460 lm

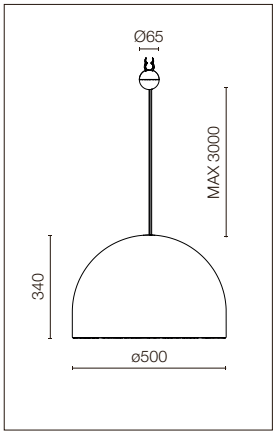
Beam Angle: 110°

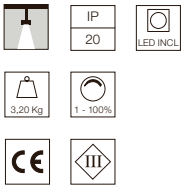
h(m)	E(lx)	D(m)
1	296	3.01
2	74	6.03
3	33	9.04
4	19	12.06
5	12	15.07

My Circuit Dome

Light Source: TOP LED 40W - 2110 lm - 2700K/CRI 90 / 40W - 2296 lm - 3000K/CRI 90



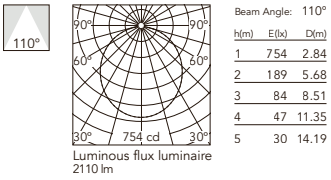




Suspended luminaire for installation in the My Circuit system. Diffused downlight emission. Adjustable suspension height. Casambi version for wireless control.

Luminaria de suspensión para ser instalada en el sistema My Circuit. Emisión difusa downlight. Altura de suspensión ajustable. Versión Casambi para control inalámbrico.

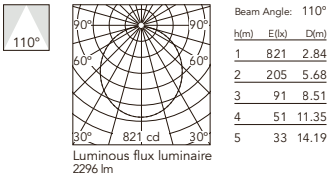
2700K
Casambi
☐ 05.2994.C5



Luminous flux luminaire
2110 lm

Beam Angle:	110°
h(m)	E(lx) D(m)
1	754 2.84
2	189 5.68
3	84 8.51
4	47 11.35
5	30 14.19

3000K
Casambi
☐ 05.2996.C5



Luminous flux luminaire
2296 lm

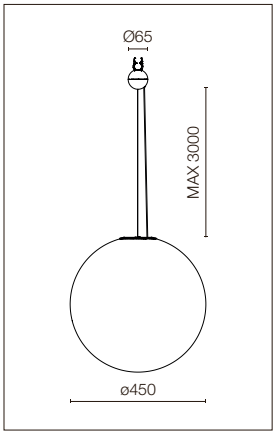
Beam Angle:	110°
h(m)	E(lx) D(m)
1	821 2.84
2	205 5.68
3	91 8.51
4	51 11.35
5	33 14.19

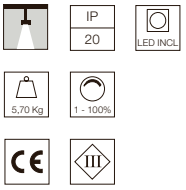
NEW

My Circuit Sphere

Light Source: TOP LED 40W - 2278 lm - 2700K/CRI 90 / 40W - 2467 lm - 3000K/CRI 90





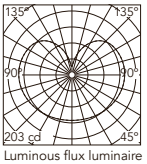


Suspended luminaire for installation in the My Circuit system. Diffused omnidirectional emission. Adjustable suspension height. Casambi version for wireless control.

Luminaria de suspensión para ser instalada en el sistema My Circuit. Emisión difusa omnidireccional. Altura de suspensión ajustable. Versión Casambi para control inalámbrico.

2700K
Casambi
☐ 05.2995.C5





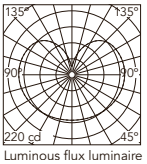
Luminous flux luminaire
2268 lm

Beam Angle:

h(m)	E(lx)	D(m)
1	0	
2	0	
3	0	
4	0	
5	0	

3000K
Casambi
☐ 05.2997.C5





Luminous flux luminaire
2457 lm

Beam Angle:

h(m)	E(lx)	D(m)
1	0	
2	0	
3	0	
4	0	
5	0	

NEW

MY CIRCUIT — LIGHT MODULES

Decorative Collection

MY DOME



MY SPHERE



MY DISC



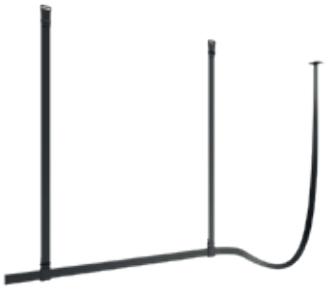
MY LINES



*Refer to Decorative Catalogue / Ver Catálogo Decorativo.

BELT

DESIGNED BY RONAN&ERWAN BOUROULLEC



LIGHT SOURCE
TOP LED
27,5W/m

915 lm/m Up
2000 lm/m Down
2700K/CRI 95

1050 lm/m Up
2450 lm/m Down
3000K/CRI 95

Leather

GN Green



18 Natural Leather



14 Black



Fabric

GO Grey olive



M5 Copper Brown



Description
This iconic profile for suspended installation features a leather or textile Surface developed specifically for Flos Architectural to respond to the needs of safety and cleanliness in public and private environments.
Belt is pure flexibility, a sinuous line that creates a balance between the softness of leather and the rigidity of aluminium. The soft part is represented by the connection to the electrical network, while the rigid parts correspond to the light source of the long lines of light.
Each profile is equipped with integrated direct and indirect lighting, and each light source can be controlled individually via remote control.
The product is installed with the use of straps to hang the lighting profile, sliding the straps through dedicated metal clasps that act as hooks on the ceiling. Each strap may be regulated to match the shape of the environment.
A special microconnector integrated into the terminal of the lighting profile allows for electrical connection through a simple snap. The electrical connection is hidden within the strap, which supports the composition.
Profiles available with 2- and 3-m lengths in leather finishes (black, natural leather and green), as well as in textile finishes (grey olive and copper brown).

Optic system
Linear Up&Down profile – direct/indirect emission: General Lighting.

Power Supply
The system may be powered only with remote power sources not included with the profiles. Recommended drivers sold separately.

Regulation System
Dimmable system with 1–10 V, DALI, or CASAMBI controller integrated inside the fixture. Individual direct and indirect emission may be regulated through a Casambi or DALI control system.

Additional Information
Electrical system powered at 48V.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Este perfil icónico para instalación suspendida se caracteriza por una cobertura de cuero o textil desarrolladas a medida para Flos Architectural con el fin de responder a las exigencias de seguridad y limpieza de entornos públicos y privados.
Belt es pura flexibilidad, una línea sinuosa cuya característica es el equilibrio entre la ductilidad del cuero y la rigidez del aluminio. El elemento blando está representado por la conexión a la red eléctrica, mientras que las partes rígidas corresponden a las fuentes luminosas de las largas líneas de luz.
Cada perfil está dotado de iluminación integrada directa e indirecta y se puede controlar cada emisión de forma individual mediante el control remoto de la instalación.
La instalación del producto se realiza mediante tirantes que sirven para suspender el perfil luminoso haciendo que se deslice a través de hebillas metálicas específicas que hacen las veces de ganchos de techo. Cada tirante puede ser ajustado para respetar la conformación del entorno.
Gracias a un microconector especial integrado en el terminal del perfil luminoso permite hacer la conexión eléctrica con un simple clic. El elemento de conexión está escondido en el interior de la trabilla, que actúa como una suspensión para sujetar la composición.
Perfiles disponibles con longitudes de 2 y 3 m, con acabados en cuero (negro, cuero natural y verde) y en textil (grey olive y copper brown).

Sistema Óptico
Perfil lineal Up&Down - emisión directa/indirecta: Iluminación general.

Unidades de Alimentación
El sistema solo se puede alimentar con una fuente de alimentación remota que no se incluye con los perfiles. Los drivers recomendados se deben encargar por separado.

Sistema de Regulación
Sistema regulable con controlador de 1-10 V, DALI o CASAMBI integrado en la luminaria. La regulación individual de la emisión directa y la indirecta solo se puede gestionar a través de un control Casambi o DALI.

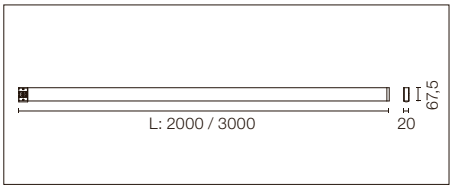
Información Adicional
Sistema eléctrico alimentado a 48V.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

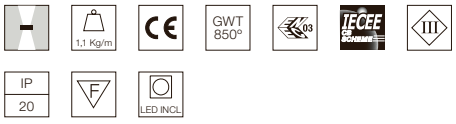
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Belt

Light Source: Top LED 27,5W/m - 915 lm/m UP - 2000 lm/m DOWN - 2700K/CRI 95 / 27,5W/m - 1050 lm/m UP - 2450 lm/m DOWN - 3000K/CRI 95







Electromechanical profile for interior use with integrated linear lighting for suspended installation available with 2 or 3 m lengths. Installation via suspension straps on the ceiling and remote power kit, to be ordered separately. Up&Down system controlled via DALI or CASAMBI individually and via 1-10V all together (Broadcast).

Perfil electromecánico de interiores con iluminación rectilínea integrada para instalación suspendida disponible con una longitud de 2 a 3 m. Instalación a través de correas de suspensión en el techo y kit de alimentación remoto, que se deben pedir por separado. Sistema Up&Down controlado vía DALI o CASAMBI individualmente y vía 1-10V conjuntamente (Broadcast).

2700K

L: 2000 mm

Dali Version

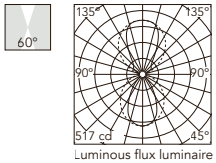
03.8500.GN.DA
03.8500.18.DA
03.8500.14.DA
03.8500.GO.DA
03.8500.M5.DA

1-10V (Broadcast)

03.8500.GN.1V
03.8500.18.1V
03.8500.14.1V
03.8500.GO.1V
03.8500.M5.1V

Casambi integrated

03.8500.GN.CB
03.8500.18.CB
03.8500.14.CB
03.8500.GO.CB
03.8500.M5.CB



Luminous flux luminaire
1694 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	517	1.16
2	129	2.31
3	57	3.47
4	32	4.63
5	21	5.79

3000K

L: 2000 mm

Dali Version

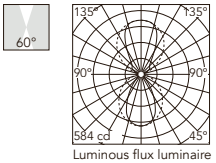
03.8505.GN.DA
03.8505.18.DA
03.8505.14.DA
03.8505.GO.DA
03.8505.M5.DA

1-10V (Broadcast)

03.8505.GN.1V
03.8505.18.1V
03.8505.14.1V
03.8505.GO.1V
03.8505.M5.1V

Casambi integrated

03.8505.GN.CB
03.8505.18.CB
03.8505.14.CB
03.8505.GO.CB
03.8505.M5.CB



Luminous flux luminaire
1915 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	584	1.16
2	146	2.31
3	65	3.47
4	37	4.63
5	23	5.79

2700K

L: 3000 mm

Dali Version

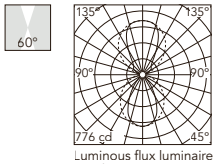
03.8501.GN.DA
03.8501.18.DA
03.8501.14.DA
03.8501.GO.DA
03.8501.M5.DA

1-10V (Broadcast)

03.8501.GN.1V
03.8501.18.1V
03.8501.14.1V
03.8501.GO.1V
03.8501.M5.1V

Casambi integrated

03.8501.GN.CB
03.8501.18.CB
03.8501.14.CB
03.8501.GO.CB
03.8501.M5.CB



Luminous flux luminaire
2542 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	776	1.16
2	194	2.31
3	86	3.47
4	48	4.63
5	31	5.79

3000K

L: 3000 mm

Dali Version

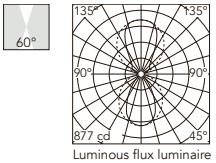
03.8506.GN.DA
03.8506.18.DA
03.8506.14.DA
03.8506.GO.DA
03.8506.M5.DA

1-10V (Broadcast)

03.8506.GN.1V
03.8506.18.1V
03.8506.14.1V
03.8506.GO.1V
03.8506.M5.1V

Casambi integrated

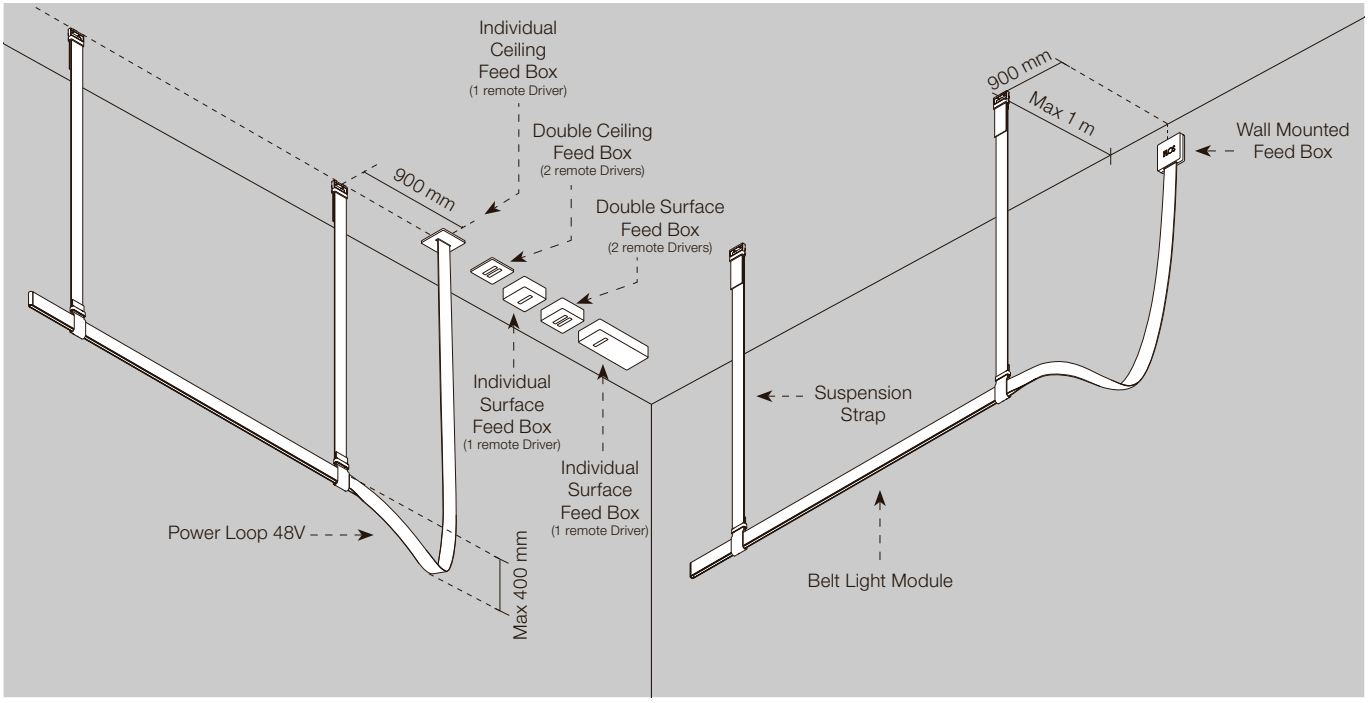
03.8506.GN.CB
03.8506.18.CB
03.8506.14.CB
03.8506.GO.CB
03.8506.M5.CB



Luminous flux luminaire
2872 lm

Beam Angle:		60°
h(m)	E(lx)	D(m)
1	877	1.16
2	219	2.31
3	97	3.47
4	55	4.63
5	35	5.79

BELT — INSTALLATION



Accessories / Accesorios

Suspension strap. 2 units.

Correa de suspensión. 2 unidades.

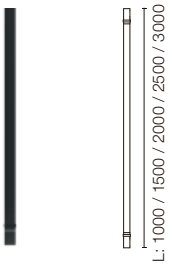
L: 1000 mm
- 03.8510.GN
- 03.8510.18
- 03.8510.14
- 03.8510.GO
- 03.8510.M5

L: 1500 mm
- 03.8513.GN
- 03.8513.18
- 03.8513.14
- 03.8513.GO
- 03.8513.M5

L: 2000 mm
- 03.8511.GN
- 03.8511.18
- 03.8511.14
- 03.8511.GO
- 03.8511.M5

L: 2500 mm
- 03.8514.GN
- 03.8514.18
- 03.8514.14
- 03.8514.GO
- 03.8514.M5

L: 3000 mm
- 03.8512.GN
- 03.8512.18
- 03.8512.14
- 03.8512.GO
- 03.8512.M5



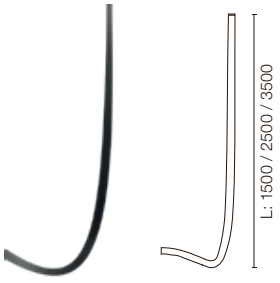
48-V power loop.

Loop de alimentación de 48V.

L: 1500 mm
- 03.8520.GN
- 03.8520.18
- 03.8520.14
- 03.8520.GO
- 03.8520.M5

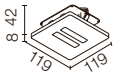
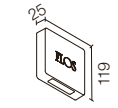
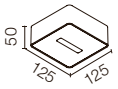
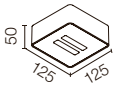
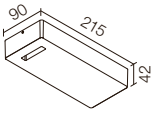
L: 2500 mm
- 03.8521.GN
- 03.8521.18
- 03.8521.14
- 03.8521.GO
- 03.8521.M5

L: 3500 mm
- 03.8522.GN
- 03.8522.18
- 03.8522.14
- 03.8522.GO
- 03.8522.M5

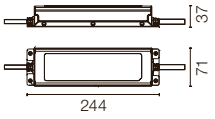
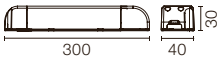


Suspension Strap (mm)	Power Loop (mm)
1000	1500
1500	2500
2000	
2500	3500
3000	

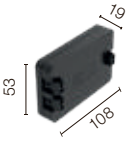
Accessories / Accesorios

Individual ceiling feed box. Driver not included.	Unidad de alimentación individual de techo. Driver no incluido.			08.0180.00
Double ceiling feed box. Driver not included.	Unidad de alimentación doble de techo. Driver no incluido.			08.0181.00
Wall mounted feed box. To be install in parallel to the Belt profile. Driver not included.	Unidad de alimentación individual de pared. Para instalar en paralelo al perfil Belt. Driver no incluido.			08.0182.00
Individual surface feed box. Driver not included.	Unidad de alimentación individual de superficie. Driver no incluido.			08.0194.00
Double surface feed box. Driver not included.	Unidad de alimentación doble de superficie. Driver no incluido.			08.0195.00
Surface driver box 96W - 48V, 110-240V.	Caja de superficie con driver de 96W - 48V, 110-240V.			06.0173.14

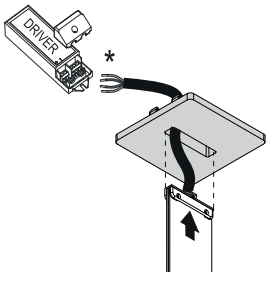
Drivers / Equipos

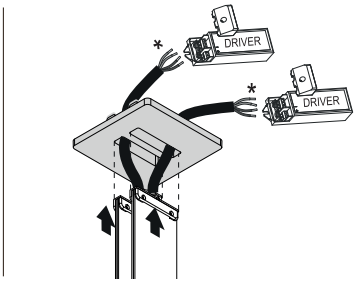
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			*60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170

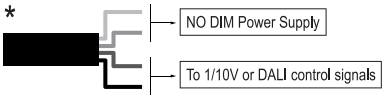
Control Units / Unidades de Control

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.	Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.		DIM 1-10V >> Casambi 08.0824.14

Remote Driver Installations







* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

INFRA-STRUCTURE

DESIGNED BY VINCENT VAN DUYSEN



Profiles ■ 14 Black
14 Negro

□ 40 White
40 Blanco





INFRA-STRUCTURE

Description
Groundbreaking lighting system designed by Vincent Van Duysen for surface installation on ceiling with rigid and adjustable rods.
In the new proposal, beside the successful “On Board Dimmer” version, FLOS goes one step beyond, launching both track and luminaries designed for system management in a variety of options: DALI, 1-10V and Casambi.
Both profile version are manufactured with aluminium profiling extruded in white or black, provided with electric tracks powered at 48V.
The system controlled versions (DALI, 1-10V) are also equipped with graphite data bus for regulation.
The LED light fixtures are installed by means of a magnetic fixture system with mechanical safety fastening.
The light fixtures product group is composed of accent lighting modules with different optics, direct and indirect light ambient lighting systems and decorative light fixtures with the distinctive Flos design.
All light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V and Casambi to adjust the light intensity.

Control
- For installation of “On Board Dimmer” fixtures use “On Board Dimmer” track version.
Luminaries DALI and 1-10V are only compatible with track DALI and 1-10V.
Casambi luminaires can be installed on all profiles available in the system.
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- For 1-10V management, the control system must be active and the data bus must be connected directly to the profile. In this case, regulation will be uniform in all the connected luminaires.
- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).
Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections.

Optic system
- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: diffuse ambient light.
- Spot 50: Medium.
- Spot 90: Spot, Medium.
- Spot 120 Power LED (same light source as the Spot 50 and Spot 90): Spot, Medium.
- Spot 120 LED Array (same light source as the Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.
- Light Shadow Spot 30: Spot, Medium, Flood, Wide Flood.
- Light Shadow Spot 45: Spot, Medium, Flood.
- Light Shadow Spot 60: Super Spot, Spot, Medium, Flood, Wide Flood.
- Multi Spot Mini: Spot, Medium, Flood.

Power Supply
Remote 48V power supply not included. Max 6A - 320W.

Accessories
For Spot and Light Shadow Spot lighting modules, shielding accessories (honeycomb and crossheads) and color temperature correction filters are available. Please check model availability.

Additional Information
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Innovador sistema de iluminación diseñado por Vincent Van Duysen para instalación de superficie en techo mediante varillas rígidas y ajustables.
En esta versión renovada, además de la ya conocida versión “On Board Dimmer”, FLOS ha dado un paso más, añadiendo opción de perfil y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.
Ambas versiones de perfiles estructurales se fabrican con perfilería tubular de aluminio extruido en color negro o blanco, y son provistas de pistas eléctricas alimentadas a 48V.
Las versiones controlables como sistema (DALI, 1-10V) además llevan bus de datos en grafito para su regulación. Las versiones Casambi son compatibles con cualquier perfil.
Las luminarias se instalan mediante un sistema de fijación magnética y sujeción de seguridad mecánica.
La familia de luminarias está compuesta por módulos de iluminación de acento con distintas ópticas, sistemas de iluminación ambiental de luz directa e indirecta y luminarias decorativas con el diseño distintivo de Flos.
Todas las luminarias están disponibles con potenciómetro integrado, dimmable DALI o 1-10V para regular la intensidad luminosa, y en versión Casambi para una regulación inalámbrica.

Control
- Para instalaciones de luminaria con sistema de dimado “On Board Dimmer” y FLOS Control, usar perfil en versión “On Board Dimmer”.
Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI y 1-10V.
Las luminarias Casambi son compatibles con todos los perfiles.
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para gestión 1-10V es necesario que el sistema de control sea activo y conectar el bus de datos de control directamente al perfil. En este caso la regulación será uniforme en todas las luminarias conectadas.
- Para gestión mediante Casambi (máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V: 20 interconexiones.

Sistema Óptico
- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: luz ambiental difusa.
- Spot 50: Medium.
- Spot 90: Spot, Medium.
- Spot 120 Power LED (misma fuente de luz de los Spot 50 y Spot 90): Spot, Medium.
- Spot 120 LED Array (misma fuente de luz del Spot 150): Medium, Flood.
- Spot 150: Spot, Medium, Flood.
- Light Shadow Spot 30: Spot, Medium, Flood, Wide Flood.
- Light Shadow Spot 45: Spot, Medium, Flood.
- Light Shadow Spot 60: Super Spot, Spot, Medium, Flood, Wide Flood.
- Multi Spot Mini: Spot, Medium, Flood.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida. Max 6A - 320W.

Accesorios
Para los módulos de iluminación Spot y Light Shadow Spot, existen accesorios de apantallamiento (honeycomb y crucetas) y filtros correctores de temperatura de color. Consultar disponibilidad según modelos.

Información Adicional
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT



LIGHT SOURCE
TOP LED
23W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

SPOT 50



LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90



LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150



LIGHT SOURCE
LED ARRAY
22,5W
2411 lm
2700K/CRI 90
2569 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60



LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

SUSPENSION PANEL 600



LIGHT SOURCE
TOP LED
25,6W
3332 lm
2700K/CRI 90
3540 lm
3000K/CRI 90

SUSPENSION GLASS DOWNLIGHT 110



LIGHT SOURCE
LED ARRAY
13,5W
1296 lm
2700K/CRI 90
1371 lm
3000K/CRI 90

MULTI SPOT MINI



LIGHT SOURCE
TOP LED
7W
635 lm
2700K/CRI 90
650 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

Light Tube

40 White
40 Blanco



14 Black
14 Negro

Spot

40 White
40 Blanco



05 Polished Aluminium
05 Polished Aluminium



14 Black
14 Negro



Light Shadow Spot

40 White
40 Blanco



14 Black
14 Negro



EQ Brushed Copper
EQ Cobre Cepillado



ER Brushed Steel
ER Acero Cepillado



ES Brushed Bronze
ES Bronce Cepillado



Suspension Glass Downlight 110

00 Transparent Glass
00 Cristal Transparente



FU Smoked Glass
FU Cristal Fumé



RC Red Glass
RC Cristal Rojo



Suspension Panel

40 White / White
40 Blanco / Blanco



14 Black / Gold
14 Negro / Oro



Multi Spot Mini

40 White
40 Blanco



14 Black
14 Negro



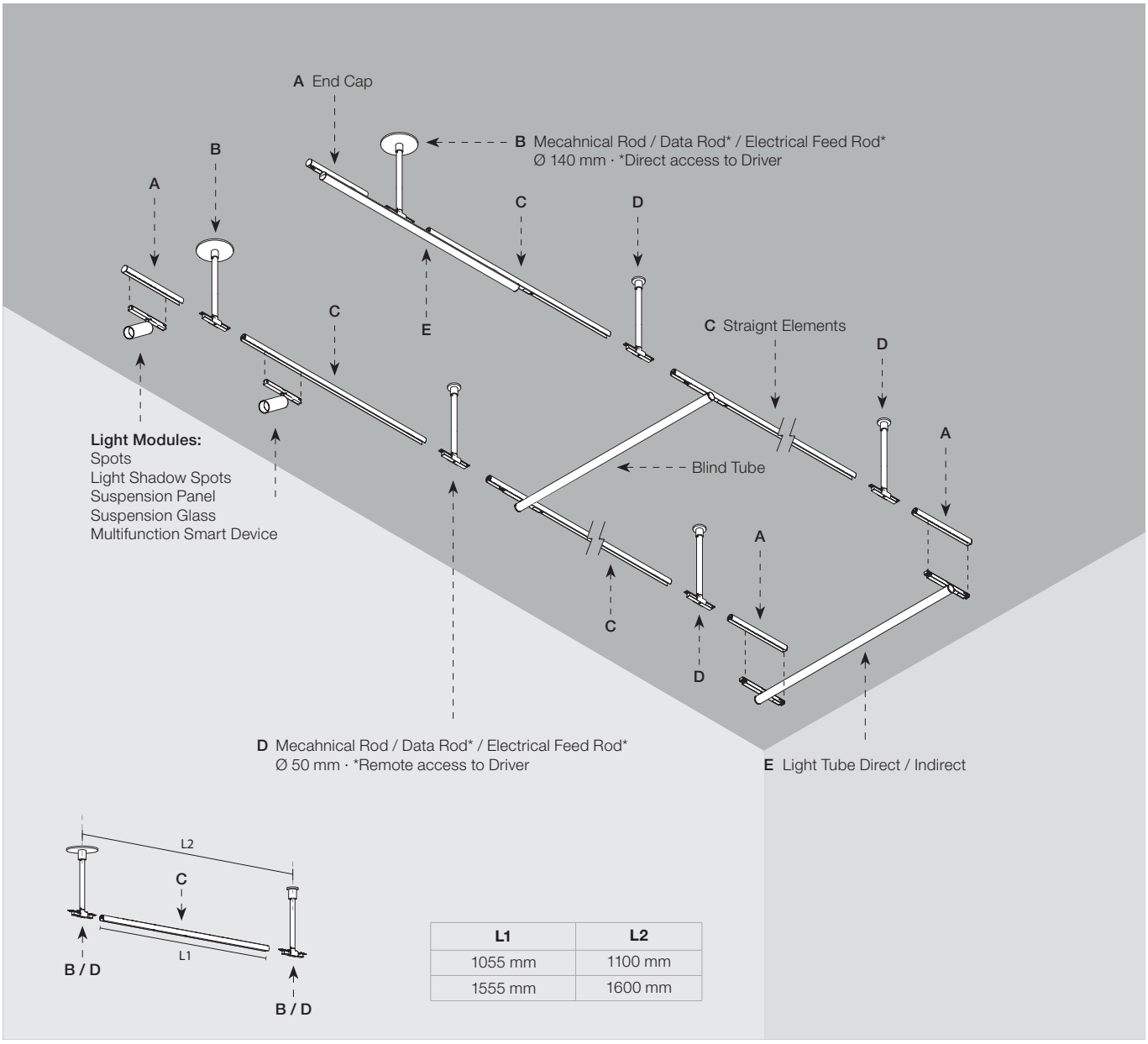
Multifunction Smart Device

40 White
40 Blanco



14 Black
14 Negro





L1	L2
1055 mm	1100 mm
1555 mm	1600 mm

Profiles

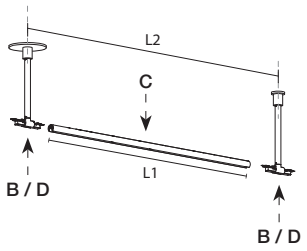
Tubular electromagnetic profile for surface installation in ceilings through rigid and adjustable rods (25 mm). Not adjustable rigid rods available on request.
Profiles and closure terminals are available in version compatible with luminaries "on board dimmer" and versions compatible with system controlled luminaries (DALI, 1-10V, FLOS Control® by Casambi).
Tubular profiles available in two lengths: 1055 mm (1100 mm separation between rods) and 1555 mm (1600 mm separation between rods).
The closure terminals will also be electrified and must be ordered separately.
Mechanical and electrical rods are the same for the two profile versions and they are all available in multiple lengths (100, 300, 400, 700mm).
Different versions of fastening rods:
• Mechanic rod with a Ø50 or Ø140 connection rose: to fasten profiles.
• Electrical rod with a Ø50 connection rose: a supply rod for remote installation of the power supply in an accessible place.
• Electrical rod with a Ø140 connection rose: a supply rod for remote installation of the power supply through the connection rose.
• Data connection rod with a Ø50 or Ø140 connection rose: for connection to DALI or 1-10V bus signal.
• Aluminium stencil to mark the points for installing the rods available as separate item.

Perfiles

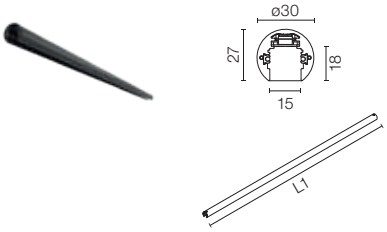
Perfil electro-magnético tubular para instalación de superficie en techo con fijación mediante varillas rígidas y regulables (25 mm). Varillas rígidas no regulables, pedir bajo demanda.
Perfil y terminal de cierre disponibles en versión compatible con luminarias "on board dimmer" y versión compatible con luminarias controlables como sistma (DALI, 1-10V o FLOS Control® by Casambi).
Perfiles tubulares disponibles en dos longitudes: 1055mm (separación entre varillas 1100mm) y 1555mm (separación entre varillas 1600mm).
Los terminales de cierre admiten instalación de luminarias y han de pedirse por separado.
Todas las varillas mecánicas y eléctricas son comunes para las dos versiones y están disponibles en diferentes alturas (100, 300, 400, 700mm).
Distintas versiones de varilla de sujeción:
• Varilla mecánica con rosetón de Ø50 o de Ø140: para fijación de perfiles.
• Varilla eléctrica con rosetón de Ø50: varilla de alimentación para instalación remota de la fuente de alimentación en lugar accesible.
• Varilla eléctrica con rosetón de Ø140: varilla de alimentación para instalación remota de la fuente de alimentación a través del rosetón.
• Varilla de conexión datos con rosetón de Ø50 o de Ø140: para conexión a fuente de señal DALI o 1-10V.
• Plantilla de aluminio, para marcar los puntos de fijación para la instalación de las varillas, disponible como producto separado.

C Straight elements.

C Elementos lineales.



L1	L2
1055 mm	1100 mm
1555 mm	1600 mm



On board dimmer / Casambi

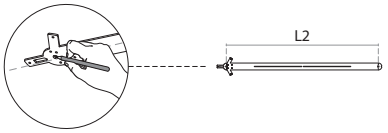
L1: 1055 mm
06.5140.40
06.5140.14
L1: 1555 mm
06.5141.40
06.5141.14

DALI / 1-10V / Casambi

L1: 1055 mm
06.5100.40
06.5100.14
L1: 1555 mm
06.5101.40
06.5101.14

Aluminium Installation Stencil

Plantilla de aluminio de instalación



L2: 1100 mm
08.0032.00
L2: 1600 mm
08.0033.00

A End cap.

A Terminal.

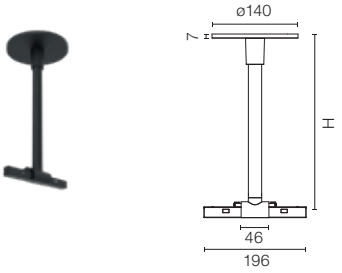


On board dimmer / Casambi
06.5142.40A
06.5142.14A

DALI / 1-10V / Casambi
06.5135.40A
06.5135.14A

B Mechanical rod rose ø140 mm. Adjustable 25 mm, to adapt it to irregular ceilings.

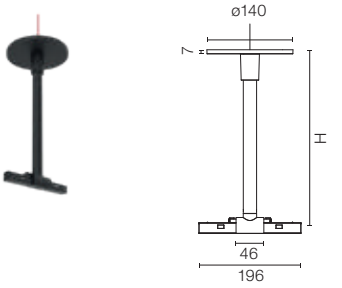
B Varilla mecánica rosetón ø140 mm. Ajustable 25 mm, para adaptarse a techos irregulares.



H: 100 mm
06.5115.40
06.5115.14
H: 300 mm
06.5116.40
06.5116.14
H: 400 mm
06.5117.40
06.5117.14
H: 700 mm
06.5118.40
06.5118.14

B Electrical feed rod rose ø140 mm. Adjustable 25 mm, to adapt it to irregular ceilings.

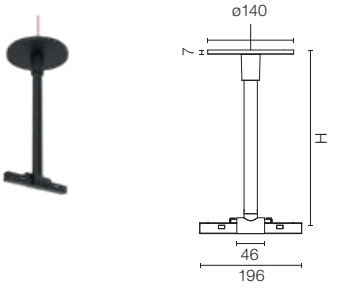
B Varilla eléctrica de alimentación rosetón ø140 mm. Ajustable 25 mm, para adaptarse a techos irregulares.



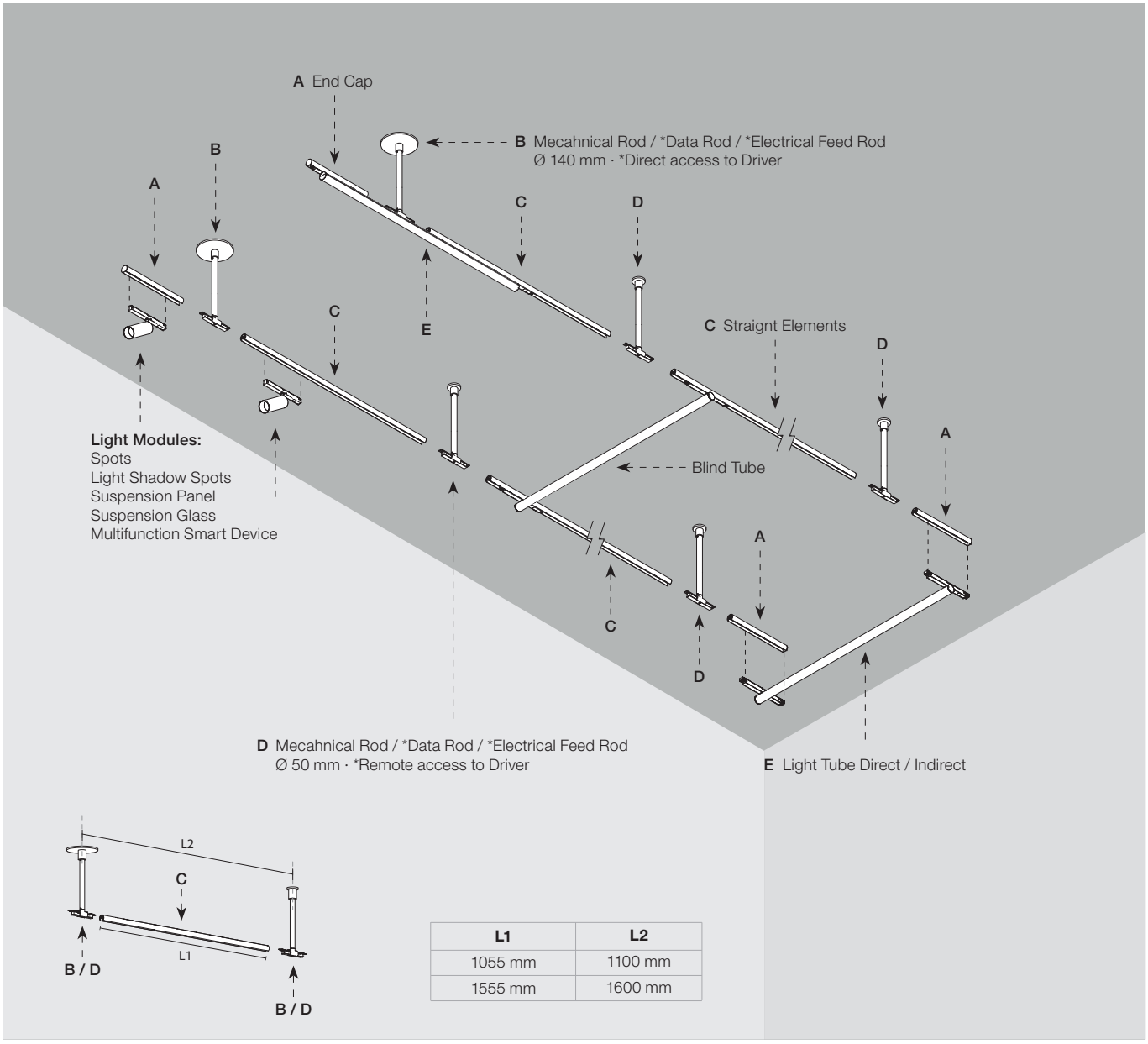
H: 100 mm
06.5125.40
06.5125.14
H: 300 mm
06.5126.40
06.5126.14
H: 400 mm
06.5127.40
06.5127.14
H: 700 mm
06.5128.40
06.5128.14

B Data connection rod rose ø140mm.
Use one for each line of the installation, for connection to DALI or 1-10V signal source.
Adjustable 25 mm, to adapt it to irregular ceilings.

B Varilla de conexión datos con rosetón ø140 mm.
Usar una para cada linea de la instalación, para conectar a fuente de señal DALI o 1-10V.
Ajustable 25 mm, para adaptarse a techos irregulares.



H: 100 mm
06.5155.40
06.5155.14
H: 300 mm
06.5156.40
06.5156.14
H: 400 mm
06.5157.40
06.5157.14
H: 700 mm
06.5158.40
06.5158.14



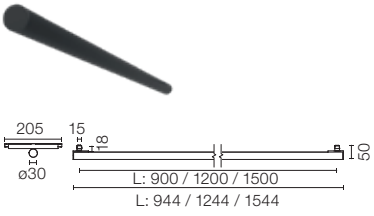
L1	L2
1055 mm	1100 mm
1555 mm	1600 mm

Blind tube.

A mechanical module (without lighting) to be installed in the system infrastructure. Fixing components that rotate 0°-90°, with a magnetic connection and a mechanical safety lock. To be installed transversely between two profile lines.

Tubo Ciego.

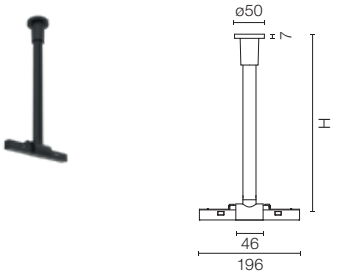
Módulo mecánico (sin iluminación) para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0º-90º, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.



L: 900 mm
03.8120.40
03.8120.14
L: 1200 mm
03.8121.40
03.8121.14
L: 1500 mm
03.8122.40
03.8122.14

D Mechanical rod rose ø50 mm. Adjustable 25 mm, to adapt it to irregular ceilings.

D Varilla mecánica rosetón ø50 mm. Ajustable 25 mm, para adaptarse a techos irregulares.

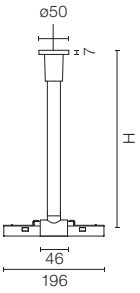


H: 100 mm
06.5110.40
06.5110.14
H: 300 mm
06.5111.40
06.5111.14
H: 400 mm
06.5112.40
06.5112.14
H: 700 mm
06.5113.40
06.5113.14

D Electrical feed rod rose ø50 mm. Adjustable 25 mm, to adapt it to irregular ceilings.

D Varilla eléctrica de alimentación rosetón ø50 mm. Ajustable 25 mm, para adaptarse a techos irregulares.



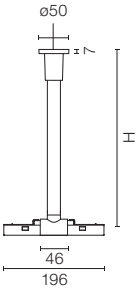


H: 100 mm
06.5120.40
06.5120.14
H: 300 mm
06.5121.40
06.5121.14
H: 400 mm
06.5122.40
06.5122.14
H: 700 mm
06.5123.40
06.5123.14

D Data connection rod rose ø50mm. Use one for each line of the installation, for connection to DALI or 1-10V signal source. Adjustable 25 mm, to adapt it to irregular ceilings.

D Varilla de conexión datos con rosetón ø50 mm. Usar una para cada linea de la instalación, para conectar a fuente de señal DALI o 1-10V. Ajustable 25 mm, para adaptarse a techos irregulares.





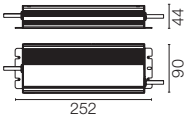
H: 100 mm
06.5150.40
06.5150.14
H: 300 mm
06.5151.40
06.5151.14
H: 400 mm
06.5152.40
06.5152.14
H: 700 mm
06.5153.40
06.5153.14

Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.



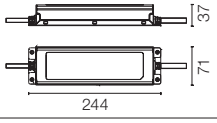


*60.8919

LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.

Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.



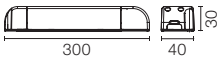


*60.9607

LED power supply source for remote installation, 48V/120W. 220/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.

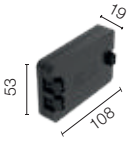




*60.9170

Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.

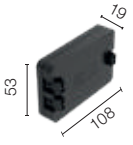
Caja de control dimable 1-10V, 24/48V. Para instalación remota. Para transformar sistemas pasivos (SINK) en activos (SOURCE). Debe ubicarse entre la unidad de control y el carril. Nota importante: Máx. 25 módulos de luz.



DIM 1-10V - 24/48V
**08.0613.14A

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.



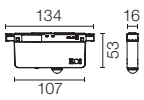
DIM 1-10V >> Casambi
08.0824.14

Accessories / Accesorios

Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.

Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.





06.1988.40
06.1988.14

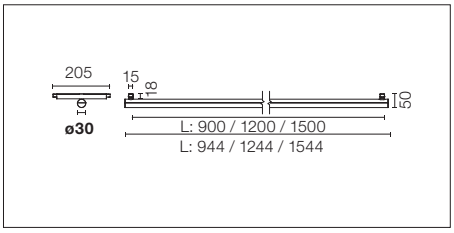
* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

** An active control system (SOURCE) is required and the data bus must be connected directly to the profile. For passive systems (SINK), a Dimming BOX Control unit is required (located between the control unit and the profile). / Es necesario un sistema de control activo (SOURCE) y conectar el bus de datos de control directamente al perfil. Para sistemas pasivos (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril).

Light Tube ø30 Direct

Light Source: Top LED 23W/m - 1978 lm/m - 2700K/CRI 90 / 23W/m - 2227 lm/m - 3000K/CRI 90





IP 20 · 30-100% DIMMER · LED INCL.

Diffused LED light module to be installed in The Infra-Structure. System turning fastening elements 0°-90° with a magnetic connection and mechanic security bock for a transversally installation between two lines of the profile.
The Light Tube are only fed by one od the ends and do not communicate current through the other end.
For wireless lighting control, choose Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure.
Elementos de fijación giratorios 0°-90°, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

2700K
L: 900 mm - 23W - 1820 lm

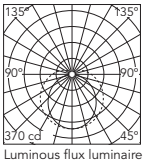
On board dimmer
- ☐ 03.8100.40A
- ■ 03.8100.14A

Dali 2
- ☐ 03.8100.40ADA
- ■ 03.8100.14ADA

1-10V
- ☐ 03.8100.40A1V
- ■ 03.8100.14A1V

Casambi
- ☐ 03.8100.40ACB
- ■ 03.8100.14ACB

150°



Luminous flux luminaire 1503 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	370	7.40
2	93	14.80
3	41	22.19
4	23	29.59
5	15	36.99

3000K
L: 900 mm - 23W - 2048 lm

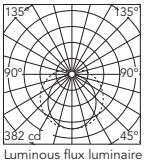
On board dimmer
- ☐ 03.8105.40A
- ■ 03.8105.14A

Dali 2
- ☐ 03.8105.40ADA
- ■ 03.8105.14ADA

1-10V
- ☐ 03.8105.40A1V
- ■ 03.8105.14A1V

Casambi
- ☐ 03.8105.40ACB
- ■ 03.8105.14ACB

150°



Luminous flux luminaire 1550 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	382	7.40
2	95	14.80
3	42	22.19
4	24	29.59
5	15	36.99

2700K
L: 1200 mm - 30W - 2366 lm

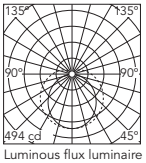
On board dimmer
- ☐ 03.8101.40A
- ■ 03.8101.14A

Dali 2
- ☐ 03.8101.40ADA
- ■ 03.8101.14ADA

1-10V
- ☐ 03.8101.40A1V
- ■ 03.8101.14A1V

Casambi
- ☐ 03.8101.40ACB
- ■ 03.8101.14ACB

150°



Luminous flux luminaire 2005 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	494	7.40
2	123	14.80
3	55	22.19
4	31	29.59
5	20	36.99

3000K
L: 1200 mm - 30W - 2663 lm

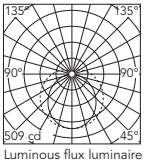
On board dimmer
- ☐ 03.8106.40A
- ■ 03.8106.14A

Dali 2
- ☐ 03.8106.40ADA
- ■ 03.8106.14ADA

1-10V
- ☐ 03.8106.40A1V
- ■ 03.8106.14A1V

Casambi
- ☐ 03.8106.40ACB
- ■ 03.8106.14ACB

150°



Luminous flux luminaire 2068 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	509	7.40
2	127	14.80
3	57	22.19
4	32	29.59
5	20	36.99

2700K
L: 1500 mm - 38W - 2912 lm

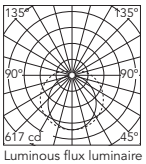
On board dimmer
- ☐ 03.8102.40A
- ■ 03.8102.14A

Dali 2
- ☐ 03.8102.40ADA
- ■ 03.8102.14ADA

1-10V
- ☐ 03.8102.40A1V
- ■ 03.8102.14A1V

Casambi
- ☐ 03.8102.40ACB
- ■ 03.8102.14ACB

150°



Luminous flux luminaire 2506 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	617	7.40
2	154	14.80
3	69	22.19
4	39	29.59
5	25	36.99

3000K
L: 1500 mm - 38W - 3278 lm

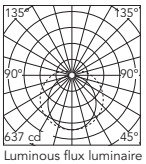
On board dimmer
- ☐ 03.8107.40A
- ■ 03.8107.14A

Dali 2
- ☐ 03.8107.40ADA
- ■ 03.8107.14ADA

1-10V
- ☐ 03.8107.40A1V
- ■ 03.8107.14A1V

Casambi
- ☐ 03.8107.40ACB
- ■ 03.8107.14ACB

150°



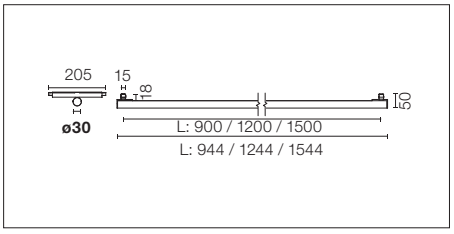
Luminous flux luminaire 2584 lm

Beam Angle:		150°
h(m)	E(lx)	D(m)
1	636	7.40
2	159	14.80
3	71	22.19
4	40	29.59
5	25	36.99

Light Tube ø30 Indirect

Light Source: Top LED 23W/m - 1978 lm/m - 2700K/CRI 90 / 23W/m - 2227 lm/m - 3000K/CRI 90







Diffused LED light module to be installed in The Infra-Structure. System turning fastening elements 0º-90º with a magnetic connection and mechanic security bock for a transversally installation between two lines of the profile.
The Light Tube are only fed by one od the ends and do not communicate current through the other end.
For wireless lighting control, choose Casambi versions.

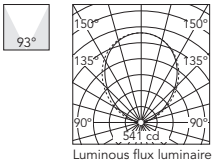
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure.
Elementos de fijación giratorios 0º-90º, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil.
Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

2700K
L: 900 mm - 23W - 1820 lm
On board dimmer
- ☐ 03.8110.40A
- ■ 03.8110.14A

Dali 2
- ☐ 03.8110.40ADA
- ■ 03.8110.14ADA

1-10V
- ☐ 03.8110.40A1V
- ■ 03.8110.14A1V

Casambi
- ☐ 03.8110.40ACB
- ■ 03.8110.14ACB



Luminous flux luminaire 1260 lm

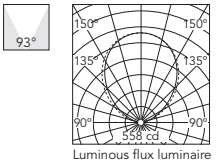
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	541	2.10
2	135	4.20
3	60	6.30
4	34	8.40
5	22	10.51

3000K
L: 900 mm - 23W - 2048 lm
On board dimmer
- ☐ 03.8115.40A
- ■ 03.8115.14A

Dali 2
- ☐ 03.8115.40ADA
- ■ 03.8115.14ADA

1-10V
- ☐ 03.8115.40A1V
- ■ 03.8115.14A1V

Casambi
- ☐ 03.8115.40ACB
- ■ 03.8115.14ACB



Luminous flux luminaire 1299 lm

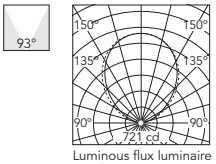
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	558	2.10
2	139	4.20
3	62	6.30
4	35	8.40
5	22	10.51

2700K
L: 1200 mm - 30W - 2366 lm
On board dimmer
- ☐ 03.8111.40A
- ■ 03.8111.14A

Dali 2
- ☐ 03.8111.40ADA
- ■ 03.8111.14ADA

1-10V
- ☐ 03.8111.40A1V
- ■ 03.8111.14A1V

Casambi
- ☐ 03.8111.40ACB
- ■ 03.8111.14ACB



Luminous flux luminaire 1679 lm

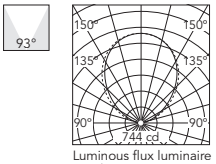
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	721	2.10
2	180	4.20
3	80	6.30
4	45	8.40
5	29	10.51

3000K
L: 1200 mm - 30W - 2663 lm
On board dimmer
- ☐ 03.8116.40A
- ■ 03.8116.14A

Dali 2
- ☐ 03.8116.40ADA
- ■ 03.8116.14ADA

1-10V
- ☐ 03.8116.40A1V
- ■ 03.8116.14A1V

Casambi
- ☐ 03.8116.40ACB
- ■ 03.8116.14ACB



Luminous flux luminaire 1732 lm

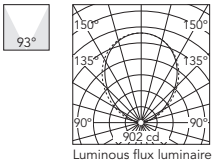
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	744	2.10
2	186	4.20
3	83	6.30
4	46	8.40
5	30	10.51

2700K
L: 1500 mm - 38W - 2912 lm
On board dimmer
- ☐ 03.8112.40A
- ■ 03.8112.14A

Dali 2
- ☐ 03.8112.40ADA
- ■ 03.8112.14ADA

1-10V
- ☐ 03.8112.40A1V
- ■ 03.8112.14A1V

Casambi
- ☐ 03.8112.40ACB
- ■ 03.8112.14ACB



Luminous flux luminaire 2099 lm

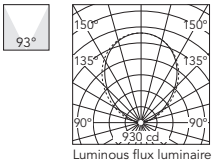
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	902	2.10
2	225	4.20
3	100	6.30
4	56	8.40
5	36	10.51

3000K
L: 1500 mm - 38W - 3278 lm
On board dimmer
- ☐ 03.8117.40A
- ■ 03.8117.14A

Dali 2
- ☐ 03.8117.40ADA
- ■ 03.8117.14ADA

1-10V
- ☐ 03.8117.40A1V
- ■ 03.8117.14A1V

Casambi
- ☐ 03.8117.40ACB
- ■ 03.8117.14ACB



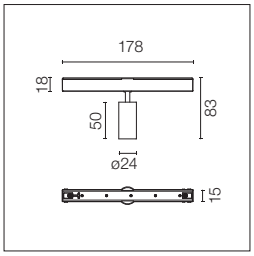
Luminous flux luminaire 2164 lm

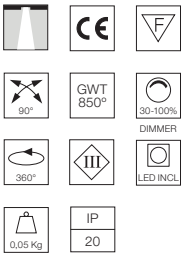
Beam Angle:		93°
h(m)	E(lx)	D(m)
1	929	2.10
2	232	4.20
3	103	6.30
4	58	8.40
5	37	10.51

Spot 50

Light Source: Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

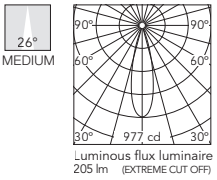
2700K

On board dimmer
- 03.8032.40A
- 03.8032.05A
- 03.8032.14A

Dali 2
- 03.8032.40ADA
- 03.8032.05ADA
- 03.8032.14ADA

1-10V
- 03.8032.40A1V
- 03.8032.05A1V
- 03.8032.14A1V

Casambi
- 03.8032.40ACB
- 03.8032.05ACB
- 03.8032.14ACB



Luminous flux luminaire
205 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

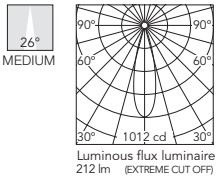
3000K

On board dimmer
- 03.8033.40A
- 03.8033.05A
- 03.8033.14A

Dali 2
- 03.8033.40ADA
- 03.8033.05ADA
- 03.8033.14ADA

1-10V
- 03.8033.40A1V
- 03.8033.05A1V
- 03.8033.14A1V

Casambi
- 03.8033.40ACB
- 03.8033.05ACB
- 03.8033.14ACB



Luminous flux luminaire
212 lm (EXTREME CUT OFF)

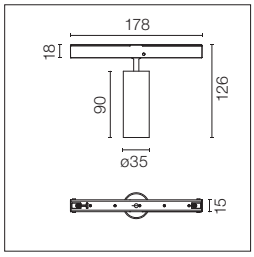
Beam Angle: 26°

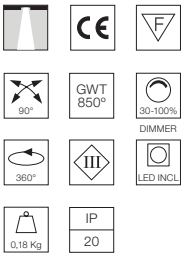
h(m)	E(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

Spot 90

Light Source: Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

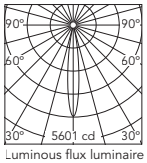
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05A
- 03.8042.14A

Dali 2
- 03.8042.40ADA
- 03.8042.05ADA
- 03.8042.14ADA

1-10V
- 03.8042.40A1V
- 03.8042.05A1V
- 03.8042.14A1V

Casambi
- 03.8042.40ACB
- 03.8042.05ACB
- 03.8042.14ACB

14°
SPOT



Luminous flux luminaire
428 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

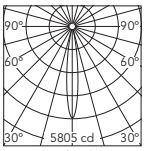
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05A
- 03.8043.14A

Dali 2
- 03.8043.40ADA
- 03.8043.05ADA
- 03.8043.14ADA

1-10V
- 03.8043.40A1V
- 03.8043.05A1V
- 03.8043.14A1V

Casambi
- 03.8043.40ACB
- 03.8043.05ACB
- 03.8043.14ACB

14°
SPOT



Luminous flux luminaire
443 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

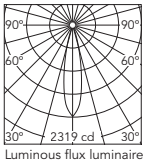
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05A
- 03.8044.14A

Dali 2
- 03.8044.40ADA
- 03.8044.05ADA
- 03.8044.14ADA

1-10V
- 03.8044.40A1V
- 03.8044.05A1V
- 03.8044.14A1V

Casambi
- 03.8044.40ACB
- 03.8044.05ACB
- 03.8044.14ACB

22°
MEDIUM



Luminous flux luminaire
392 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

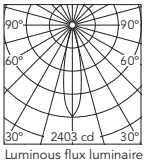
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05A
- 03.8045.14A

Dali 2
- 03.8045.40ADA
- 03.8045.05ADA
- 03.8045.14ADA

1-10V
- 03.8045.40A1V
- 03.8045.05A1V
- 03.8045.14A1V

Casambi
- 03.8045.40ACB
- 03.8045.05ACB
- 03.8045.14ACB

22°
MEDIUM



Luminous flux luminaire
406 lm (EXTREME CUT OFF)

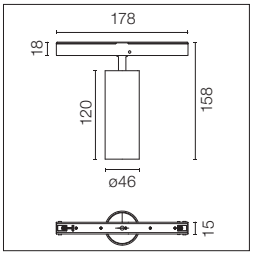
Beam Angle: 22°

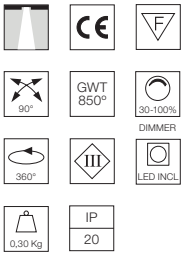
h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

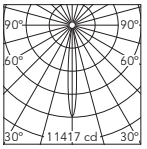
2700K
On board dimmer
- 03.8052.40A
- 03.8052.05A
- 03.8052.14A

Dali 2
- 03.8052.40ADA
- 03.8052.05ADA
- 03.8052.14ADA

1-10V
- 03.8052.40A1V
- 03.8052.05A1V
- 03.8052.14A1V

Casambi
- 03.8052.40ACB
- 03.8052.05ACB
- 03.8052.14ACB

11°
SPOT



Luminous flux luminaire
539 lm (EXTREME CUT OFF)

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	11417	0.19
2	2854	0.37
3	1269	0.56
4	714	0.75
5	457	0.93

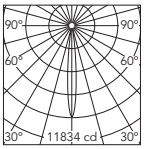
3000K
On board dimmer
- 03.8053.40A
- 03.8053.05A
- 03.8053.14A

Dali 2
- 03.8053.40ADA
- 03.8053.05ADA
- 03.8053.14ADA

1-10V
- 03.8053.40A1V
- 03.8053.05A1V
- 03.8053.14A1V

Casambi
- 03.8053.40ACB
- 03.8053.05ACB
- 03.8053.14ACB

11°
SPOT



Luminous flux luminaire
558 lm (EXTREME CUT OFF)

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	11834	0.19
2	2958	0.37
3	1315	0.56
4	740	0.75
5	473	0.93

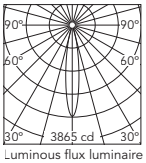
2700K
On board dimmer
- 03.8054.40A
- 03.8054.05A
- 03.8054.14A

Dali 2
- 03.8054.40ADA
- 03.8054.05ADA
- 03.8054.14ADA

1-10V
- 03.8054.40A1V
- 03.8054.05A1V
- 03.8054.14A1V

Casambi
- 03.8054.40ACB
- 03.8054.05ACB
- 03.8054.14ACB

17°
MEDIUM



Luminous flux luminaire
487 lm (EXTREME CUT OFF)

Beam Angle:	17°	
h(m)	E(lx)	D(m)
1	3865	0.29
2	966	0.59
3	429	0.88
4	242	1.18
5	155	1.47

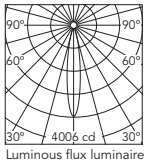
3000K
On board dimmer
- 03.8055.40A
- 03.8055.05A
- 03.8055.14A

Dali 2
- 03.8055.40ADA
- 03.8055.05ADA
- 03.8055.14ADA

1-10V
- 03.8055.40A1V
- 03.8055.05A1V
- 03.8055.14A1V

Casambi
- 03.8055.40ACB
- 03.8055.05ACB
- 03.8055.14ACB

17°
MEDIUM



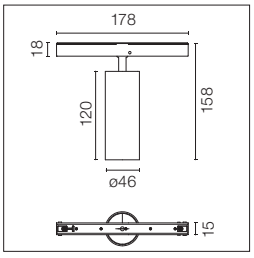
Luminous flux luminaire
505 lm (EXTREME CUT OFF)

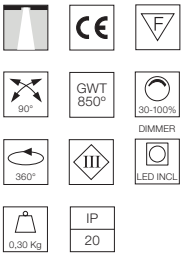
Beam Angle:	17°	
h(m)	E(lx)	D(m)
1	4006	0.29
2	1001	0.59
3	445	0.88
4	250	1.18
5	160	1.47

Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

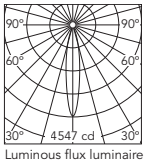
2700K
On board dimmer
- 03.8154.40
- 03.8154.05
- 03.8154.14

Dali 2
- 03.8154.40.DA
- 03.8154.05.DA
- 03.8154.14.DA

1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V

Casambi
- 03.8154.40.CB
- 03.8154.05.CB
- 03.8154.14.CB

17° MEDIUM



Luminous flux luminaire 654 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

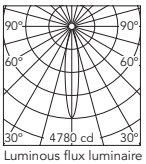
3000K
On board dimmer
- 03.8155.40
- 03.8155.05
- 03.8155.14

Dali 2
- 03.8155.40.DA
- 03.8155.05.DA
- 03.8155.14.DA

1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V

Casambi
- 03.8155.40.CB
- 03.8155.05.CB
- 03.8155.14.CB

17° MEDIUM



Luminous flux luminaire 687 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

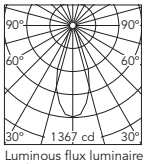
2700K
On board dimmer
- 03.8156.40
- 03.8156.05
- 03.8156.14

Dali 2
- 03.8156.40.DA
- 03.8156.05.DA
- 03.8156.14.DA

1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V

Casambi
- 03.8156.40.CB
- 03.8156.05.CB
- 03.8156.14.CB

40° FLOOD



Luminous flux luminaire 599 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

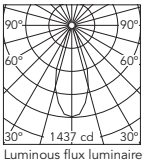
3000K
On board dimmer
- 03.8157.40
- 03.8157.05
- 03.8157.14

Dali 2
- 03.8157.40.DA
- 03.8157.05.DA
- 03.8157.14.DA

1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V

Casambi
- 03.8157.40.CB
- 03.8157.05.CB
- 03.8157.14.CB

40° FLOOD



Luminous flux luminaire 629 lm

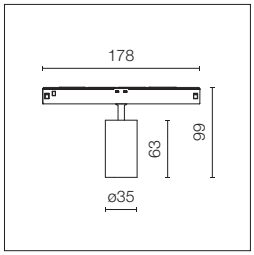
Beam Angle: 40°

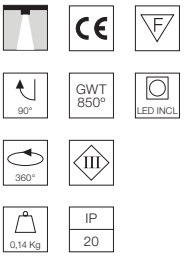
h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

Light Shadow Spot 30

Light Source: Power LED 4,5W - 257 lm - 2700K/CRI 90 / 4,5W - 263 lm - 3000K/CRI 90







LED accent lighting module for installation in Infra-Structure system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

Optic Spot - 2700K

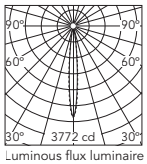
On board dimmer
- 05.9000.40
- 05.9000.14
- 05.9000.ER
- 05.9000.ES
- 05.9000.EQ

Dali 2
- 05.9000.40.DA
- 05.9000.14.DA
- 05.9000.ER.DA
- 05.9000.ES.DA
- 05.9000.EQ.DA

1-10V
- 05.9000.40.1V
- 05.9000.14.1V
- 05.9000.ER.1V
- 05.9000.ES.1V
- 05.9000.EQ.1V

Casambi
- 05.9000.40.CB
- 05.9000.14.CB
- 05.9000.ER.CB
- 05.9000.ES.CB
- 05.9000.EQ.CB





Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

Optic Spot - 3000K

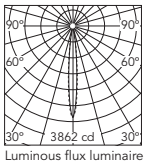
On board dimmer
- 05.9005.40
- 05.9005.14
- 05.9005.ER
- 05.9005.ES
- 05.9005.EQ

Dali 2
- 05.9005.40.DA
- 05.9005.14.DA
- 05.9005.ER.DA
- 05.9005.ES.DA
- 05.9005.EQ.DA

1-10V
- 05.9005.40.1V
- 05.9005.14.1V
- 05.9005.ER.1V
- 05.9005.ES.1V
- 05.9005.EQ.1V

Casambi
- 05.9005.40.CB
- 05.9005.14.CB
- 05.9005.ER.CB
- 05.9005.ES.CB
- 05.9005.EQ.CB





Luminous flux luminaire 214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

Optic Medium - 2700K

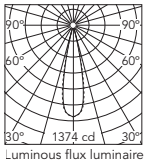
On board dimmer
- 05.9001.40
- 05.9001.14
- 05.9001.ER
- 05.9001.ES
- 05.9001.EQ

Dali 2
- 05.9001.40.DA
- 05.9001.14.DA
- 05.9001.ER.DA
- 05.9001.ES.DA
- 05.9001.EQ.DA

1-10V
- 05.9001.40.1V
- 05.9001.14.1V
- 05.9001.ER.1V
- 05.9001.ES.1V
- 05.9001.EQ.1V

Casambi
- 05.9001.40.CB
- 05.9001.14.CB
- 05.9001.ER.CB
- 05.9001.ES.CB
- 05.9001.EQ.CB





Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

Optic Medium - 3000K

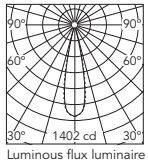
On board dimmer
- 05.9006.40
- 05.9006.14
- 05.9006.ER
- 05.9006.ES
- 05.9006.EQ

Dali 2
- 05.9006.40.DA
- 05.9006.14.DA
- 05.9006.ER.DA
- 05.9006.ES.DA
- 05.9006.EQ.DA

1-10V
- 05.9006.40.1V
- 05.9006.14.1V
- 05.9006.ER.1V
- 05.9006.ES.1V
- 05.9006.EQ.1V

Casambi
- 05.9006.40.CB
- 05.9006.14.CB
- 05.9006.ER.CB
- 05.9006.ES.CB
- 05.9006.EQ.CB





Luminous flux luminaire 205 lm

Beam Angle: 22°

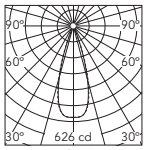
h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

On board dimmer

- 05.9002.40
- 05.9002.14
- 05.9002.ER
- 05.9002.ES
- 05.9002.EQ





Luminous flux luminaire
200 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Dali 2

- 05.9002.40.DA
- 05.9002.14.DA
- 05.9002.ER.DA
- 05.9002.ES.DA
- 05.9002.EQ.DA

1-10V

- 05.9002.40.1V
- 05.9002.14.1V
- 05.9002.ER.1V
- 05.9002.ES.1V
- 05.9002.EQ.1V

Casambi

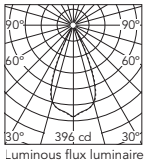
- 05.9002.40.CB
- 05.9002.14.CB
- 05.9002.ER.CB
- 05.9002.ES.CB
- 05.9002.EQ.CB

Optic Wide Flood - 2700K

On board dimmer

- 05.9003.40
- 05.9003.14
- 05.9003.ER
- 05.9003.ES
- 05.9003.EQ





Luminous flux luminaire
209 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9003.40.DA
- 05.9003.14.DA
- 05.9003.ER.DA
- 05.9003.ES.DA
- 05.9003.EQ.DA

1-10V

- 05.9003.40.1V
- 05.9003.14.1V
- 05.9003.ER.1V
- 05.9003.ES.1V
- 05.9003.EQ.1V

Casambi

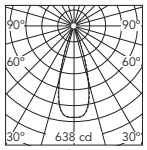
- 05.9003.40.CB
- 05.9003.14.CB
- 05.9003.ER.CB
- 05.9003.ES.CB
- 05.9003.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9007.40
- 05.9007.14
- 05.9007.ER
- 05.9007.ES
- 05.9007.EQ





Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Dali 2

- 05.9007.40.DA
- 05.9007.14.DA
- 05.9007.ER.DA
- 05.9007.ES.DA
- 05.9007.EQ.DA

1-10V

- 05.9007.40.1V
- 05.9007.14.1V
- 05.9007.ER.1V
- 05.9007.ES.1V
- 05.9007.EQ.1V

Casambi

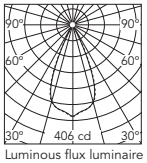
- 05.9007.40.CB
- 05.9007.14.CB
- 05.9007.ER.CB
- 05.9007.ES.CB
- 05.9007.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9008.40
- 05.9008.14
- 05.9008.ER
- 05.9008.ES
- 05.9008.EQ





Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9008.40.DA
- 05.9008.14.DA
- 05.9008.ER.DA
- 05.9008.ES.DA
- 05.9008.EQ.DA

1-10V

- 05.9008.40.1V
- 05.9008.14.1V
- 05.9008.ER.1V
- 05.9008.ES.1V
- 05.9008.EQ.1V

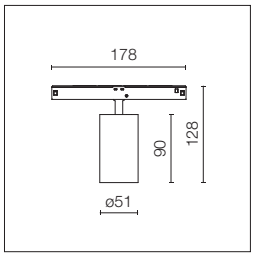
Casambi

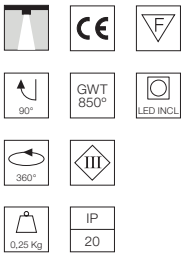
- 05.9008.40.CB
- 05.9008.14.CB
- 05.9008.ER.CB
- 05.9008.ES.CB
- 05.9008.EQ.CB

Light Shadow Spot 45

Light Source: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90







LED accent lighting module for installation in Infra-Structure system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

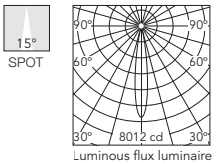
Optic Spot - 2700K

On board dimmer
- 05.9030.40
- 05.9030.14
- 05.9030.ER
- 05.9030.ES
- 05.9030.EQ

Dali 2
- 05.9030.40.DA
- 05.9030.14.DA
- 05.9030.ER.DA
- 05.9030.ES.DA
- 05.9030.EQ.DA

1-10V
- 05.9030.40.1V
- 05.9030.14.1V
- 05.9030.ER.1V
- 05.9030.ES.1V
- 05.9030.EQ.1V

Casambi
- 05.9030.40.CB
- 05.9030.14.CB
- 05.9030.ER.CB
- 05.9030.ES.CB
- 05.9030.EQ.CB



Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

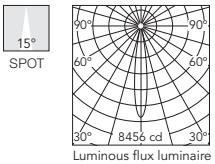
Optic Spot - 3000K

On board dimmer
- 05.9035.40
- 05.9035.14
- 05.9035.ER
- 05.9035.ES
- 05.9035.EQ

Dali 2
- 05.9035.40.DA
- 05.9035.14.DA
- 05.9035.ER.DA
- 05.9035.ES.DA
- 05.9035.EQ.DA

1-10V
- 05.9035.40.1V
- 05.9035.14.1V
- 05.9035.ER.1V
- 05.9035.ES.1V
- 05.9035.EQ.1V

Casambi
- 05.9035.40.CB
- 05.9035.14.CB
- 05.9035.ER.CB
- 05.9035.ES.CB
- 05.9035.EQ.CB



Luminous flux luminaire 686 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

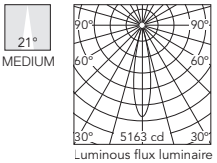
Optic Medium - 2700K

On board dimmer
- 05.9031.40
- 05.9031.14
- 05.9031.ER
- 05.9031.ES
- 05.9031.EQ

Dali 2
- 05.9031.40.DA
- 05.9031.14.DA
- 05.9031.ER.DA
- 05.9031.ES.DA
- 05.9031.EQ.DA

1-10V
- 05.9031.40.1V
- 05.9031.14.1V
- 05.9031.ER.1V
- 05.9031.ES.1V
- 05.9031.EQ.1V

Casambi
- 05.9031.40.CB
- 05.9031.14.CB
- 05.9031.ER.CB
- 05.9031.ES.CB
- 05.9031.EQ.CB



Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

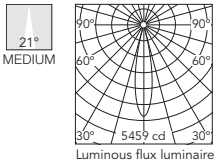
Optic Medium - 3000K

On board dimmer
- 05.9036.40
- 05.9036.14
- 05.9036.ER
- 05.9036.ES
- 05.9036.EQ

Dali 2
- 05.9036.40.DA
- 05.9036.14.DA
- 05.9036.ER.DA
- 05.9036.ES.DA
- 05.9036.EQ.DA

1-10V
- 05.9036.40.1V
- 05.9036.14.1V
- 05.9036.ER.1V
- 05.9036.ES.1V
- 05.9036.EQ.1V

Casambi
- 05.9036.40.CB
- 05.9036.14.CB
- 05.9036.ER.CB
- 05.9036.ES.CB
- 05.9036.EQ.CB



Luminous flux luminaire 682 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

On board dimmer

- 05.9032.40
- 05.9032.14
- 05.9032.ER
- 05.9032.ES
- 05.9032.EQ

Dali 2

- 05.9032.40.DA
- 05.9032.14.DA
- 05.9032.ER.DA
- 05.9032.ES.DA
- 05.9032.EQ.DA

1-10V

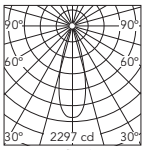
- 05.9032.40.1V
- 05.9032.14.1V
- 05.9032.ER.1V
- 05.9032.ES.1V
- 05.9032.EQ.1V

Casambi

- 05.9032.40.CB
- 05.9032.14.CB
- 05.9032.ER.CB
- 05.9032.ES.CB
- 05.9032.EQ.CB



FLOOD



Luminous flux luminaire
646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

On board dimmer

- 05.9037.40
- 05.9037.14
- 05.9037.ER
- 05.9037.ES
- 05.9037.EQ

Dali 2

- 05.9037.40.DA
- 05.9037.14.DA
- 05.9037.ER.DA
- 05.9037.ES.DA
- 05.9037.EQ.DA

1-10V

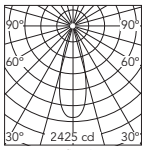
- 05.9037.40.1V
- 05.9037.14.1V
- 05.9037.ER.1V
- 05.9037.ES.1V
- 05.9037.EQ.1V

Casambi

- 05.9037.40.CB
- 05.9037.14.CB
- 05.9037.ER.CB
- 05.9037.ES.CB
- 05.9037.EQ.CB



FLOOD



Luminous flux luminaire
682 lm

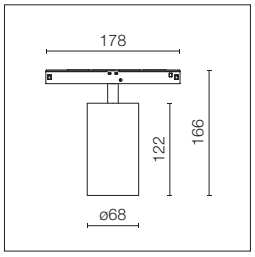
Beam Angle: 31°

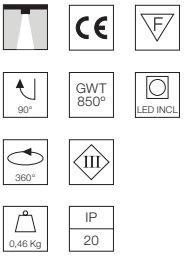
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Light Shadow Spot 60

Light Source: Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







LED accent lighting module for installation in Infra-Structure system. For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

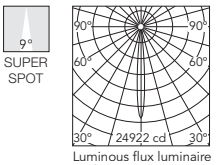
Optic Super Spot - 2700K

On board dimmer
- 05.9060.40
- 05.9060.14
- 05.9060.ER
- 05.9060.ES
- 05.9060.EQ

Dali 2
- 05.9060.40.DA
- 05.9060.14.DA
- 05.9060.ER.DA
- 05.9060.ES.DA
- 05.9060.EQ.DA

1-10V
- 05.9060.40.1V
- 05.9060.14.1V
- 05.9060.ER.1V
- 05.9060.ES.1V
- 05.9060.EQ.1V

Casambi
- 05.9060.40.CB
- 05.9060.14.CB
- 05.9060.ER.CB
- 05.9060.ES.CB
- 05.9060.EQ.CB



Luminous flux luminaire 765 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	24922	0.16
2	6230	0.32
3	2769	0.48
4	1558	0.64
5	997	0.80

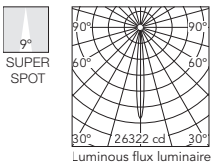
Optic Super Spot - 3000K

On board dimmer
- 05.9065.40
- 05.9065.14
- 05.9065.ER
- 05.9065.ES
- 05.9065.EQ

Dali 2
- 05.9065.40.DA
- 05.9065.14.DA
- 05.9065.ER.DA
- 05.9065.ES.DA
- 05.9065.EQ.DA

1-10V
- 05.9065.40.1V
- 05.9065.14.1V
- 05.9065.ER.1V
- 05.9065.ES.1V
- 05.9065.EQ.1V

Casambi
- 05.9065.40.CB
- 05.9065.14.CB
- 05.9065.ER.CB
- 05.9065.ES.CB
- 05.9065.EQ.CB



Luminous flux luminaire 808 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

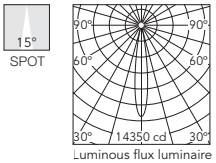
Optic Spot - 2700K

On board dimmer
- 05.9061.40
- 05.9061.14
- 05.9061.ER
- 05.9061.ES
- 05.9061.EQ

Dali 2
- 05.9061.40.DA
- 05.9061.14.DA
- 05.9061.ER.DA
- 05.9061.ES.DA
- 05.9061.EQ.DA

1-10V
- 05.9061.40.1V
- 05.9061.14.1V
- 05.9061.ER.1V
- 05.9061.ES.1V
- 05.9061.EQ.1V

Casambi
- 05.9061.40.CB
- 05.9061.14.CB
- 05.9061.ER.CB
- 05.9061.ES.CB
- 05.9061.EQ.CB



Luminous flux luminaire 1251 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14350	0.27
2	3587	0.54
3	1594	0.81
4	897	1.09
5	574	1.36

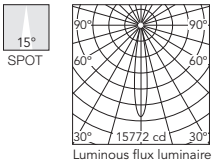
Optic Spot - 3000K

On board dimmer
- 05.9066.40
- 05.9066.14
- 05.9066.ER
- 05.9066.ES
- 05.9066.EQ

Dali 2
- 05.9066.40.DA
- 05.9066.14.DA
- 05.9066.ER.DA
- 05.9066.ES.DA
- 05.9066.EQ.DA

1-10V
- 05.9066.40.1V
- 05.9066.14.1V
- 05.9066.ER.1V
- 05.9066.ES.1V
- 05.9066.EQ.1V

Casambi
- 05.9066.40.CB
- 05.9066.14.CB
- 05.9066.ER.CB
- 05.9066.ES.CB
- 05.9066.EQ.CB



Luminous flux luminaire 1375 lm

Beam Angle: 15°

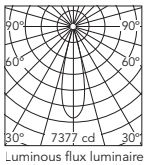
h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Optic Medium - 2700K

On board dimmer

- 05.9062.40
- 05.9062.14
- 05.9062.ER
- 05.9062.ES
- 05.9062.EQ





Luminous flux luminaire
1298 lm

Beam Angle:	26°
h(m)	E(lx) D(m)
1	7377 0.45
2	1844 0.91
3	820 1.36
4	461 1.82
5	295 2.27

Dali 2

- 05.9062.40.DA
- 05.9062.14.DA
- 05.9062.ER.DA
- 05.9062.ES.DA
- 05.9062.EQ.DA

1-10V

- 05.9062.40.1V
- 05.9062.14.1V
- 05.9062.ER.1V
- 05.9062.ES.1V
- 05.9062.EQ.1V

Casambi

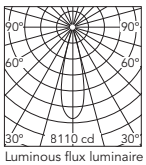
- 05.9062.40.CB
- 05.9062.14.CB
- 05.9062.ER.CB
- 05.9062.ES.CB
- 05.9062.EQ.CB

Optic Medium - 3000K

On board dimmer

- 05.9067.40
- 05.9067.14
- 05.9067.ER
- 05.9067.ES
- 05.9067.EQ





Luminous flux luminaire
1427 lm

Beam Angle:	26°
h(m)	E(lx) D(m)
1	8110 0.45
2	2027 0.91
3	901 1.36
4	507 1.82
5	324 2.27

Dali 2

- 05.9067.40.DA
- 05.9067.14.DA
- 05.9067.ER.DA
- 05.9067.ES.DA
- 05.9067.EQ.DA

1-10V

- 05.9067.40.1V
- 05.9067.14.1V
- 05.9067.ER.1V
- 05.9067.ES.1V
- 05.9067.EQ.1V

Casambi

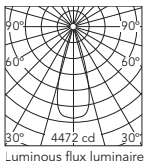
- 05.9067.40.CB
- 05.9067.14.CB
- 05.9067.ER.CB
- 05.9067.ES.CB
- 05.9067.EQ.CB

Optic Flood - 2700K

On board dimmer

- 05.9063.40
- 05.9063.14
- 05.9063.ER
- 05.9063.ES
- 05.9063.EQ





Luminous flux luminaire
1304 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	4472 0.60
2	1118 1.20
3	497 1.80
4	279 2.40
5	179 3.00

Dali 2

- 05.9063.40.DA
- 05.9063.14.DA
- 05.9063.ER.DA
- 05.9063.ES.DA
- 05.9063.EQ.DA

1-10V

- 05.9063.40.1V
- 05.9063.14.1V
- 05.9063.ER.1V
- 05.9063.ES.1V
- 05.9063.EQ.1V

Casambi

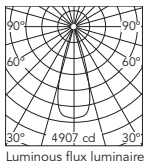
- 05.9063.40.CB
- 05.9063.14.CB
- 05.9063.ER.CB
- 05.9063.ES.CB
- 05.9063.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9068.40
- 05.9068.14
- 05.9068.ER
- 05.9068.ES
- 05.9068.EQ





Luminous flux luminaire
1431 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	4907 0.60
2	1227 1.20
3	545 1.80
4	307 2.40
5	196 3.00

Dali 2

- 05.9068.40.DA
- 05.9068.14.DA
- 05.9068.ER.DA
- 05.9068.ES.DA
- 05.9068.EQ.DA

1-10V

- 05.9068.40.1V
- 05.9068.14.1V
- 05.9068.ER.1V
- 05.9068.ES.1V
- 05.9068.EQ.1V

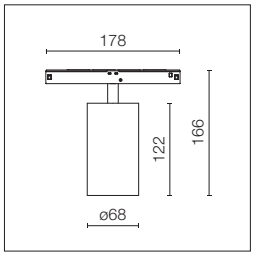
Casambi

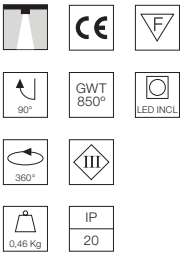
- 05.9068.40.CB
- 05.9068.14.CB
- 05.9068.ER.CB
- 05.9068.ES.CB
- 05.9068.EQ.CB

Light Shadow Spot 60

Light Source: Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







LED accent lighting module for installation in Infra-Structure system. For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

Optic Wide Flood - 2700K

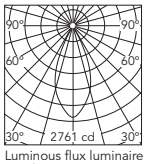
On board dimmer
- 05.9064.40
- 05.9064.14
- 05.9064.ER
- 05.9064.ES
- 05.9064.EQ

Dali 2
- 05.9064.40.DA
- 05.9064.14.DA
- 05.9064.ER.DA
- 05.9064.ES.DA
- 05.9064.EQ.DA

1-10V
- 05.9064.40.1V
- 05.9064.14.1V
- 05.9064.ER.1V
- 05.9064.ES.1V
- 05.9064.EQ.1V

Casambi
- 05.9064.40.CB
- 05.9064.14.CB
- 05.9064.ER.CB
- 05.9064.ES.CB
- 05.9064.EQ.CB





Luminous flux luminaire
1268 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2761	0.79
2	690	1.59
3	307	2.38
4	173	3.17
5	110	3.97

Optic Wide Flood - 3000K

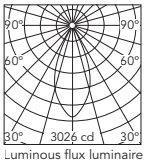
On board dimmer
- 05.9069.40
- 05.9069.14
- 05.9069.ER
- 05.9069.ES
- 05.9069.EQ

Dali 2
- 05.9069.40.DA
- 05.9069.14.DA
- 05.9069.ER.DA
- 05.9069.ES.DA
- 05.9069.EQ.DA

1-10V
- 05.9069.40.1V
- 05.9069.14.1V
- 05.9069.ER.1V
- 05.9069.ES.1V
- 05.9069.EQ.1V

Casambi
- 05.9069.40.CB
- 05.9069.14.CB
- 05.9069.ER.CB
- 05.9069.ES.CB
- 05.9069.EQ.CB





Luminous flux luminaire
1390 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Accessories / Accesorios

Light Shadow Spot 30

Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

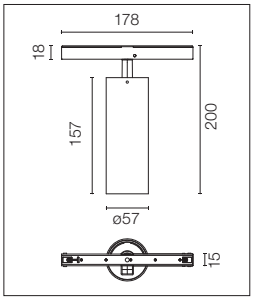
Light Shadow Spot 60

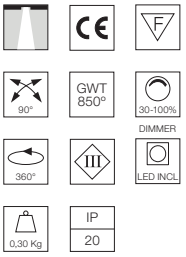
Honeycomb	Panel de abeja		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase Super Spot 2700K >> 3125±75K 3000K >> 3600±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 2700K >> 3125±75K 3000K >> 3600±75K 08.0798.00
			Decrease Super Spot 2700K >> 2450±75K 3000K >> 2700±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 2700K >> 2450±75K 3000K >> 2700±75K 08.0799.00

Spot 150

Light Source: LED Array 22,5W - 2411 lm - 2700K/CRI 90 / 22,5W - 2569 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

2700K

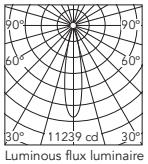
On board dimmer
- 03.8072.40A
- 03.8072.05A
- 03.8072.14A

Dali 2
- 03.8072.40ADA
- 03.8072.05ADA
- 03.8072.14ADA

1-10V
- 03.8072.40A1V
- 03.8072.05A1V
- 03.8072.14A1V

Casambi
- 03.8072.40ACB
- 03.8072.05ACB
- 03.8072.14ACB

21° SPOT



Luminous flux luminaire
1818 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	11239	0.37
2	2810	0.74
3	1249	1.11
4	702	1.48
5	450	1.85

3000K

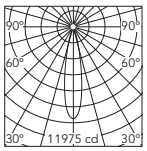
On board dimmer
- 03.8073.40A
- 03.8073.05A
- 03.8073.14A

Dali 2
- 03.8073.40ADA
- 03.8073.05ADA
- 03.8073.14ADA

1-10V
- 03.8073.40A1V
- 03.8073.05A1V
- 03.8073.14A1V

Casambi
- 03.8073.40ACB
- 03.8073.05ACB
- 03.8073.14ACB

21° SPOT



Luminous flux luminaire
1937 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	11975	0.37
2	2994	0.74
3	1331	1.11
4	748	1.48
5	479	1.85

2700K

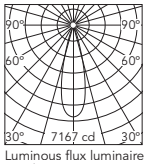
On board dimmer
- 03.8074.40A
- 03.8074.05A
- 03.8074.14A

Dali 2
- 03.8074.40ADA
- 03.8074.05ADA
- 03.8074.14ADA

1-10V
- 03.8074.40A1V
- 03.8074.05A1V
- 03.8074.14A1V

Casambi
- 03.8074.40ACB
- 03.8074.05ACB
- 03.8074.14ACB

27° MEDIUM



Luminous flux luminaire
1564 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	7167	0.49
2	1792	0.98
3	796	1.47
4	448	1.96
5	287	2.44

3000K

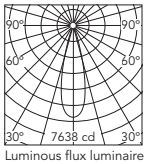
On board dimmer
- 03.8075.40A
- 03.8075.05A
- 03.8075.14A

Dali 2
- 03.8075.40ADA
- 03.8075.05ADA
- 03.8075.14ADA

1-10V
- 03.8075.40A1V
- 03.8075.05A1V
- 03.8075.14A1V

Casambi
- 03.8075.40ACB
- 03.8075.05ACB
- 03.8075.14ACB

27° MEDIUM



Luminous flux luminaire
1667 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	7638	0.49
2	1910	0.98
3	849	1.47
4	477	1.96
5	306	2.44

2700K

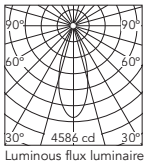
On board dimmer
- 03.8076.40A
- 03.8076.05A
- 03.8076.14A

Dali 2
- 03.8076.40ADA
- 03.8076.05ADA
- 03.8076.14ADA

1-10V
- 03.8076.40A1V
- 03.8076.05A1V
- 03.8076.14A1V

Casambi
- 03.8076.40ACB
- 03.8076.05ACB
- 03.8076.14ACB

36° FLOOD



Luminous flux luminaire
1569 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4586	0.64
2	1146	1.28
3	510	1.92
4	287	2.56
5	183	3.20

3000K

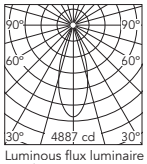
On board dimmer
- 03.8077.40A
- 03.8077.05A
- 03.8077.14A

Dali 2
- 03.8077.40ADA
- 03.8077.05ADA
- 03.8077.14ADA

1-10V
- 03.8077.40A1V
- 03.8077.05A1V
- 03.8077.14A1V

Casambi
- 03.8077.40ACB
- 03.8077.05ACB
- 03.8077.14ACB

36° FLOOD



Luminous flux luminaire
1672 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4887	0.64
2	1222	1.28
3	543	1.92
4	305	2.56
5	195	3.20

Accessories / Accesorios

Spot 150

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
Installation compatible with honeycomb + lense at the same time.

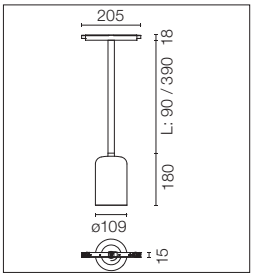
Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

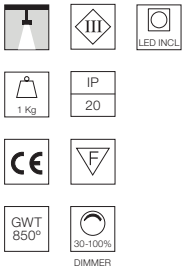
Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

Suspension Glass Downlight 110

Light Source: LED Array 13,5W - 1296 lm - 2700K/CRI 90 / 13,5W - 1371 lm - 3000K/CRI 90







Suspended luminaire with rigid rod and blown glass in several finishes to be installed in the Infra-Structure system.
For wireless lighting control, choose Casambi versions.

Luminaria suspendida con varilla rígida y cristal soplado en distintos acabados para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

2700K

Black Rod
L: 100 mm
On board dimmer
- 03.8130.00
- 03.8130.FU
- 03.8130.RC

Dali 2
- 03.8130.00.DA
- 03.8130.FU.DA
- 03.8130.RC.DA

1-10V
- 03.8130.00.1V
- 03.8130.FU.1V
- 03.8130.RC.1V

Casambi
- 03.8130.00.CB
- 03.8130.FU.CB
- 03.8130.RC.CB

Black Rod
L: 400 mm
On board dimmer
- 03.8131.00
- 03.8131.FU
- 03.8131.RC

Dali 2
- 03.8131.00.DA
- 03.8131.FU.DA
- 03.8131.RC.DA

1-10V
- 03.8131.00.1V
- 03.8131.FU.1V
- 03.8131.RC.1V

Casambi
- 03.8131.00.CB
- 03.8131.FU.CB
- 03.8131.RC.CB

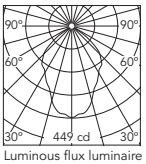
White Rod
L: 100 mm
On board dimmer
- 03.8135.00
- 03.8135.FU
- 03.8135.RC

Dali 2
- 03.8135.00.DA
- 03.8135.FU.DA
- 03.8135.RC.DA

1-10V
- 03.8135.00.1V
- 03.8135.FU.1V
- 03.8135.RC.1V

Casambi
- 03.8135.00.CB
- 03.8135.FU.CB
- 03.8135.RC.CB

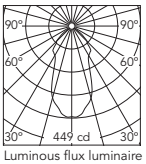
82° .00



Luminous flux luminaire 706 lm

Beam Angle:	82°	
h(m)	E(lx)	D(m)
1	449	1.74
2	112	3.48
3	50	5.22
4	28	6.96
5	18	8.71

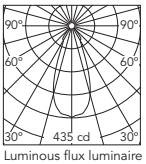
47° .FU



Luminous flux luminaire 483 lm

Beam Angle:	47°	
h(m)	E(lx)	D(m)
1	449	0.86
2	112	1.72
3	50	2.58
4	28	3.45
5	18	4.31

42° .RC



Luminous flux luminaire 292 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	435	0.76
2	109	1.52
3	48	2.28
4	27	3.04
5	17	3.80

3000K

Black Rod
L: 100 mm
On board dimmer
- 03.8132.00
- 03.8132.FU
- 03.8132.RC

Dali 2
- 03.8132.00.DA
- 03.8132.FU.DA
- 03.8132.RC.DA

1-10V
- 03.8132.00.1V
- 03.8132.FU.1V
- 03.8132.RC.1V

Casambi
- 03.8132.00.CB
- 03.8132.FU.CB
- 03.8132.RC.CB

Black Rod
L: 400 mm
On board dimmer
- 03.8133.00
- 03.8133.FU
- 03.8133.RC

Dali 2
- 03.8133.00.DA
- 03.8133.FU.DA
- 03.8133.RC.DA

1-10V
- 03.8133.00.1V
- 03.8133.FU.1V
- 03.8133.RC.1V

Casambi
- 03.8133.00.CB
- 03.8133.FU.CB
- 03.8133.RC.CB

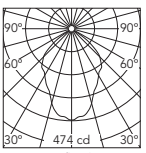
White Rod
L: 100 mm
On board dimmer
- 03.8137.00
- 03.8137.FU
- 03.8137.RC

Dali 2
- 03.8137.00.DA
- 03.8137.FU.DA
- 03.8137.RC.DA

1-10V
- 03.8137.00.1V
- 03.8137.FU.1V
- 03.8137.RC.1V

Casambi
- 03.8137.00.CB
- 03.8137.FU.CB
- 03.8137.RC.CB

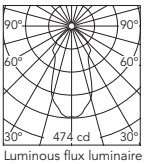
82° .00



Luminous flux luminaire 746 lm

Beam Angle:	82°	
h(m)	E(lx)	D(m)
1	474	1.74
2	119	3.48
3	53	5.22
4	30	6.96
5	19	8.71

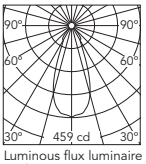
47° .FU



Luminous flux luminaire 510 lm

Beam Angle:	47°	
h(m)	E(lx)	D(m)
1	474	0.86
2	119	1.72
3	53	2.58
4	30	3.45
5	19	4.31

42° .RC



Luminous flux luminaire 309 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	459	0.76
2	115	1.52
3	51	2.28
4	29	3.04
5	18	3.80

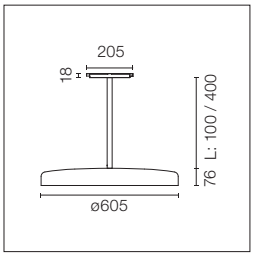
White Rod
L: 400 mm
On board dimmer
03.8136.00
03.8136.FU
03.8136.RC
Dali 2
03.8136.00.DA
03.8136.FU.DA
03.8136.RC.DA
1-10V
03.8136.00.1V
03.8136.FU.1V
03.8136.RC.1V
Casambi
03.8136.00.CB
03.8136.FU.CB
03.8136.RC.CB

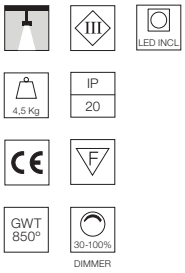
White Rod
L: 400 mm
On board dimmer
03.8138.00
03.8138.FU
03.8138.RC
Dali 2
03.8138.00.DA
03.8138.FU.DA
03.8138.RC.DA
1-10V
03.8138.00.1V
03.8138.FU.1V
03.8138.RC.1V
Casambi
03.8138.00.CB
03.8138.FU.CB
03.8138.RC.CB

Suspension Panel 600

Light Source: Top LED 25,6W - 3332 lm - 2700K/CRI 90 / 40W - 3540 lm - 3000K/ CRI 90







Suspended luminaire with rigid rod, to be installed in the Infra-Structure system.
For wireless lighting control, choose Casambi versions.

E= External Finish
I= Internal Finish

Luminaria suspendida con varilla rígida para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

E= Acabado Externo
I= Acabado Interno

2700K

L: 100 mm

E I On board dimmer
03.8140.40A

E I Dali 2
03.8140.40ADA

E I 1-10V
03.8140.40A1V

E I Casambi
03.8140.40ACB

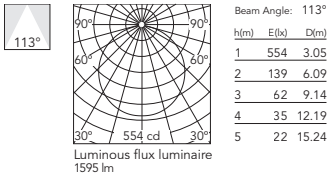
L: 400 mm

E I On board dimmer
03.8141.40A

E I Dali 2
03.8141.40ADA

E I 1-10V
03.8141.40A1V

E I Casambi
03.8141.40ACB



Luminous flux luminaire
1595 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	554	3.05
2	139	6.09
3	62	9.14
4	35	12.19
5	22	15.24

3000K

L: 100 mm

E I On board dimmer
03.8142.40A

E I Dali 2
03.8142.40ADA

E I 1-10V
03.8142.40A1V

E I Casambi
03.8142.40ACB

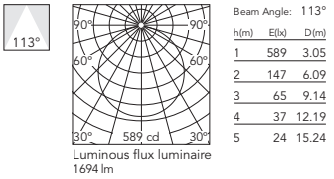
L: 400 mm

E I On board dimmer
03.8143.40A

E I Dali 2
03.8143.40ADA

E I 1-10V
03.8143.40A1V

E I Casambi
03.8143.40ACB



Luminous flux luminaire
1694 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	589	3.05
2	147	6.09
3	65	9.14
4	37	12.19
5	24	15.24

2700K

L: 100 mm

E I On board dimmer
03.8140.14A

E I Dali 2
03.8140.14ADA

E I 1-10V
03.8140.14A1V

E I Casambi
03.8140.14ACB

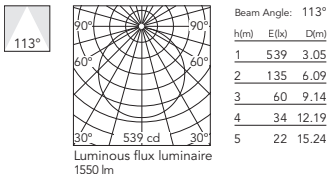
L: 400 mm

E I On board dimmer
03.8141.14A

E I Dali 2
03.8141.14ADA

E I 1-10V
03.8141.14A1V

E I Casambi
03.8141.14ACB



Luminous flux luminaire
1550 lm

Beam Angle: 113°

h(m)	E(lx)	D(m)
1	539	3.05
2	135	6.09
3	60	9.14
4	34	12.19
5	22	15.24

3000K

L: 100 mm

E I On board dimmer
03.8142.14A

E I Dali 2
03.8142.14ADA

E I 1-10V
03.8142.14A1V

E I Casambi
03.8142.14ACB

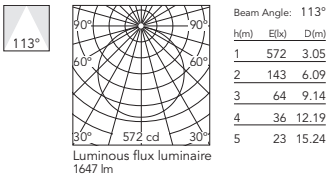
L: 400 mm

E I On board dimmer
03.8143.14A

E I Dali 2
03.8143.14ADA

E I 1-10V
03.8143.14A1V

E I Casambi
03.8143.14ACB



Luminous flux luminaire
1647 lm

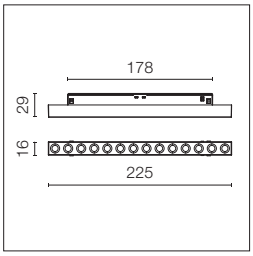
Beam Angle: 113°

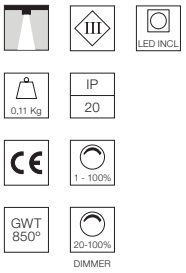
h(m)	E(lx)	D(m)
1	572	3.05
2	143	6.09
3	64	9.14
4	36	12.19
5	23	15.24

Multi Spot Mini

Light Source: Power LED 7W - 635 lm - 2700K/CRI 90 / 7W - 650 lm - 3000K/CRI 90







LED lighting module with 14 spotlights and low glare, to be installed in The Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de 14 focos y bajo deslumbramiento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Optic Spot - 2700K

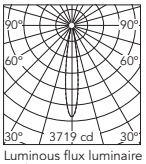
On board dimmer
- 05.3550.40
- 05.3550.14

Dali 2
- 05.3550.40.DA
- 05.3550.14.DA

1-10V
- 05.3550.40.1V
- 05.3550.14.1V

Casambi
- 05.3550.40.CB
- 05.3550.14.CB

15° SPOT



Luminous flux luminaire
398 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3719	0.27
2	930	0.54
3	413	0.81
4	232	1.08
5	149	1.35

Optic Spot - 3000K

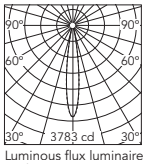
On board dimmer
- 05.3551.40
- 05.3551.14

Dali 2
- 05.3551.40.DA
- 05.3551.14.DA

1-10V
- 05.3551.40.1V
- 05.3551.14.1V

Casambi
- 05.3551.40.CB
- 05.3551.14.CB

15° SPOT



Luminous flux luminaire
405 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3783	0.27
2	946	0.54
3	420	0.81
4	236	1.08
5	151	1.35

Optic Medium - 2700K

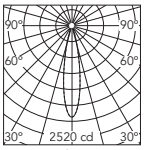
On board dimmer
- 05.3552.40
- 05.3552.14

Dali 2
- 05.3552.40.DA
- 05.3552.14.DA

1-10V
- 05.3552.40.1V
- 05.3552.14.1V

Casambi
- 05.3552.40.CB
- 05.3552.14.CB

20° MEDIUM



Luminous flux luminaire
424 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2520	0.36
2	630	0.72
3	280	1.08
4	158	1.44
5	101	1.80

Optic Medium - 3000K

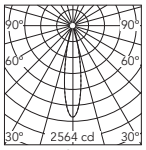
On board dimmer
- 05.3553.40
- 05.3553.14

Dali 2
- 05.3553.40.DA
- 05.3553.14.DA

1-10V
- 05.3553.40.1V
- 05.3553.14.1V

Casambi
- 05.3553.40.CB
- 05.3553.14.CB

20° MEDIUM



Luminous flux luminaire
431 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2564	0.36
2	641	0.72
3	285	1.08
4	160	1.44
5	103	1.80

Optic Flood - 2700K

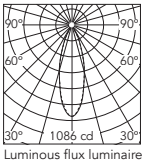
On board dimmer
- 05.3554.40
- 05.3554.14

Dali 2
- 05.3554.40.DA
- 05.3554.14.DA

1-10V
- 05.3554.40.1V
- 05.3554.14.1V

Casambi
- 05.3554.40.CB
- 05.3554.14.CB

32° FLOOD



Luminous flux luminaire
391 lm (EXTREME CUT OFF)

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1086	0.58
2	271	1.15
3	121	1.73
4	68	2.30
5	43	2.88

Optic Flood - 3000K

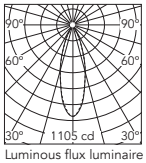
On board dimmer
- 05.3555.40
- 05.3555.14

Dali 2
- 05.3555.40.DA
- 05.3555.14.DA

1-10V
- 05.3555.40.1V
- 05.3555.14.1V

Casambi
- 05.3555.40.CB
- 05.3555.14.CB

32° FLOOD



Luminous flux luminaire
397 lm (EXTREME CUT OFF)

Beam Angle: 32°

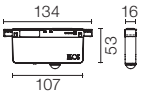
h(m)	E(lx)	D(m)
1	1105	0.58
2	276	1.15
3	123	1.73
4	69	2.30
5	44	2.88

Accessories / Accesorios

Multifunction Smart Device.
Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.

Dispositivo multifunción inteligente.
Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia.
FLOS Control® by Casambi.

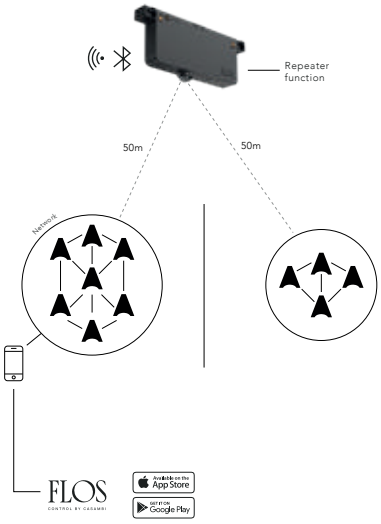




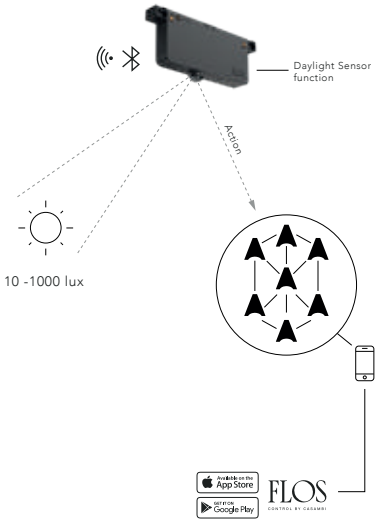
06.1988.40
06.1988.14

Multifunction Smart Device. Triple Functionality 3x1

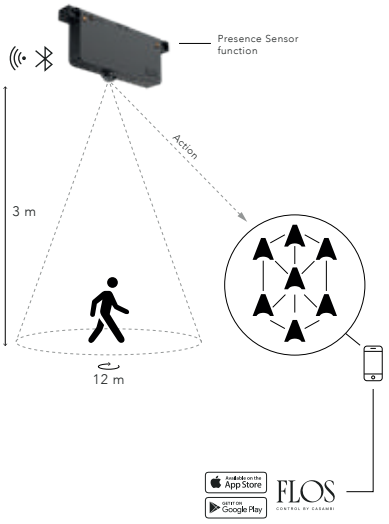
Repeater



Daylight Sensor



Presence Sensor



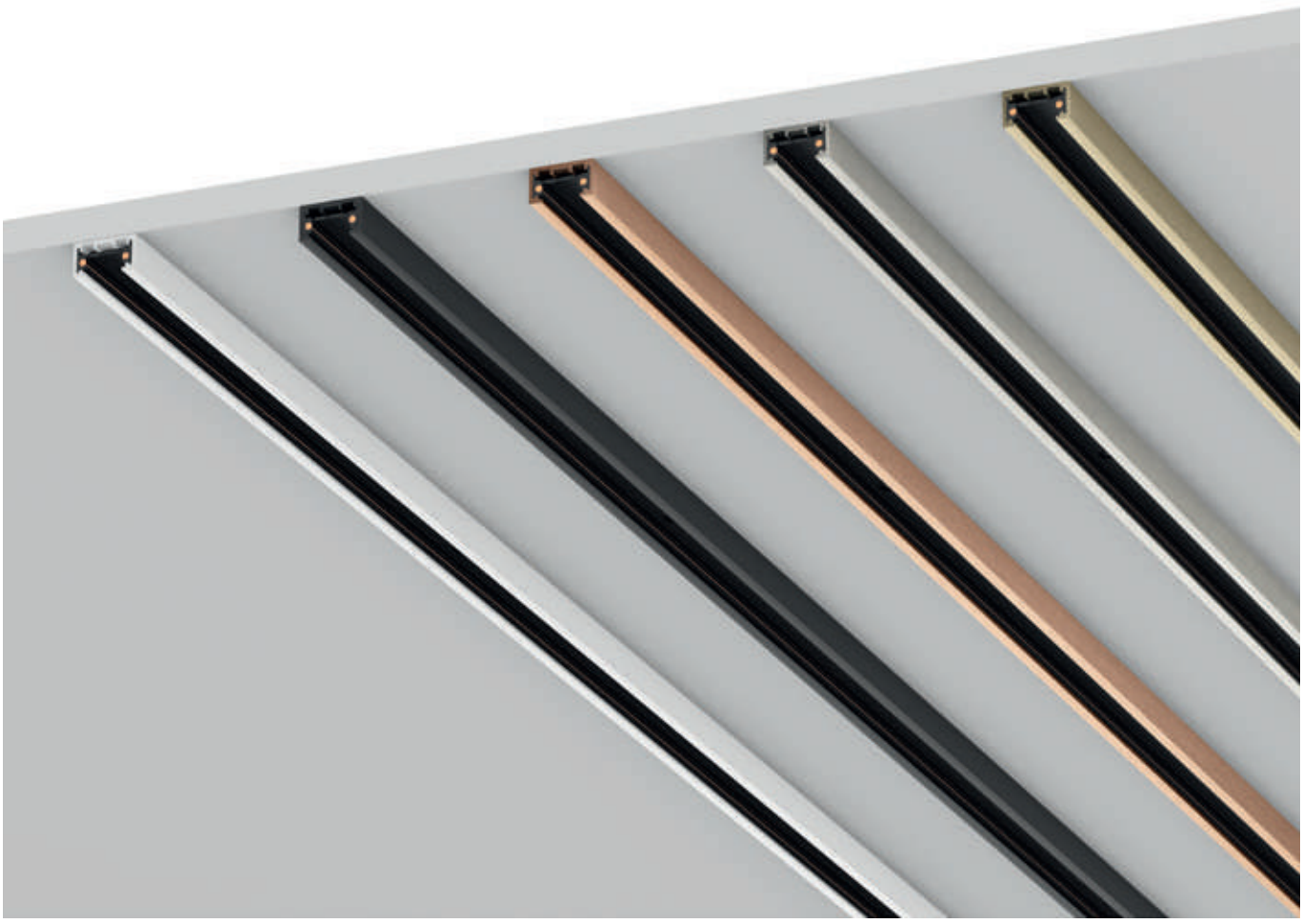
▲ Casambi object

NEW

ZERO TRACK PRO

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



Surface Profiles

- White / Blanco
- Black / Negro
- Brushed Copper / Cobre Cepillado
- Brushed Steel / Acero Cepillado
- Brushed Bronze / Bronce Cepillado

NEW

Description
Zero Track Pro stands out with its ease of installation on surfaces, as well as with its minimized dimensions and minimalist aesthetics where, once integrated into the space, the eye cannot tell whether the line of the profile is on the surface or recessed into the ceiling/wall instead. Its reduced dimensions also hold the technology to control adjustment with protocols that allow professional management of appliances through data paths or wirelessly (either in broadcast mode or individually, point to point).

Control system
The system can be powered through a remote power supply or Power Supply Drivers on the surface, available as accessories.
The integration of the tracks and electrical components into the profile allows the Pro version to have professional control systems that can manage appliances individually, point to point. Zero Track Pro therefore offers DALI and Casambi control protocols and in broadcast mode 1-10V (See the protocols available for each appliance).
To manage appliances through Casambi, you need the FLOS Control® mobile app (available to download from Apple Store and Google Play). There is an integrated Casambi electronics option on all appliances, except for Light Shadow Spot, Magic Stick and Light Stripes.
The initial power connector (live end feed) has space for cables either from the top or the back. The other elements that need power (feed) only have space for cables on the top.

Additional information
Zero Track Pro is supplied with a voltage of 24 VDC and is limited to a maximum current of 8A and to a maximum system power of 192W. It is also limited to a maximum of 10 metres and 10 interconnections.
For a 1-10V setting, you need an active control system (SOURCE) and a direct connection for the data control bus to the profile. You can connect a maximum of 25 appliances to the same control (each appliance requires a maximum of 2 mA). To transform passive control systems (SINK) into active systems (SOURCE), you need a "*Control Dimming Box*" located between the control unit and the track. It is best to use the "*Control Dimming Box*" recommended by Flos.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Regulatory Compliance and Quality Labels
Appliance compliant with the European Technical Regulation EN60598-1 and Part 2

Descripción
Zero Track Pro destaca por su facilidad de instalación en superficie, unas dimensiones realmente compactas y su estética minimalista que -una vez implementado en el espacio- no permite distinguir visualmente si la línea del perfil es de superficie o está enrasada en el techo / pared. Además alberga, en sus pequeñas dimensiones, la tecnología para el control de la regulación con protocolos que permiten la gestión profesional de las luminarias por pista de datos o de manera inalámbrica (tanto en broadcast, como individualmente punto a punto).

Sistema de Control
El sistema puede alimentarse mediante fuente de alimentación remota o con los 'Power Supply Dirvers' para superficie -que se ofrecen como accesorios-.
La integración de las pistas y elementos eléctricos en el perfil permite a esta versión 'Pro' contar con sistemas de control profesionales capaces de gestionar las luminarias de manera individual, punto a punto. Así, Zero Track Pro ofrece protocolos de control DALI y Casambi y broadcast 1-10V (Consultar los protocolos disponibles en cada luminaria).
La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play). Todas las luminarias cuentan con opción de electrónica Casambi integrada -salvo los Light Shadow Spot, Magic Stick y las Light Stripes-.
El conector de alimentación inicial (live end feed) dispone de reserva para la entrada de los cables tanto por la parte superior como por la trasera. El resto de elementos alimentables ('feed') tienen reserva para la entrada de cables solo por la parte superior.

Información Adicional
Zero Track Pro se alimenta a una tensión de 24Vdc y está limitado a una corriente máxima de 8A y una potencia máxima del sistema de 192W. Además, está restrigido a un máximo de 10 metros y 10 interconexiones.
Para regulación 1-10V es necesario un sistema de control activo (SOURCE) y conectar el bus de datos de control directamente al perfil. Se podrán conectar un máximo 25 luminarias sobre el mismo control (cada luminaria precisa, como máximo, 2mA). Para transformar sistemas de control pasivos (SINK) en activos (SOURCE) es necesaria una *'Control Dimming Box'* ubicada entre la unidad de control y el carril. Se recomienda emplear la *'Control Dimming Box'* recomendada por Flos.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

ZERO TRACK PRO

LIGHT MODULES

LIGHT STRIPE 600

LIGHT SOURCE
TOP LED
7W
555 lm
2700K/CRI 90
582 lm
3000K/CRI 90

LIGHT STRIPE 900



LIGHT SOURCE
TOP LED
10W
1111 lm
2700K/CRI 90
1166 lm
3000K/CRI 90

LIGHT STRIPE 1200

LIGHT SOURCE
TOP LED
13,5W
1667 lm
2700K/CRI 90
1750 lm
3000K/CRI 90

MAGIC STICK



LIGHT SOURCE
Power LED
10,5W
1200 lm
2700K/CRI 90
1200 lm
3000K/CRI 90

MAGIC STICK ASYMMETRIC



LIGHT SOURCE
Power LED
12W
1450 lm
2700K/CRI 90
1490 lm
3000K/CRI 90

FIND ME 0



LIGHT SOURCE
POWER LED
3,5W
276 lm
2700K/CRI 90
302 lm
3000K/CRI 90

FIND ME 1



LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

FIND ME 2



LIGHT SOURCE
POWER LED
10,5W
724 lm
2700K/CRI 90
781 lm
3000K/CRI 90

FIND ME 1 SUSPENSION



LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4,7W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
11W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

ATOM 90



LIGHT SOURCE
POWER LED
5,5W
432 lm
2700K/CRI 90
446 lm
3000K/CRI 90

ATOM 120



LIGHT SOURCE
POWER LED
8W
600 lm
2700K/CRI 90
648 lm
3000K/CRI 90

ATOM 200



LIGHT SOURCE
TOP LED
10,5W
1005 lm
2700K/CRI 90
1080 lm
3000K/CRI 90

NEW

Magic Stick

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado



Light Shadow Spot

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado



Find Me

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado



Atom

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado



Light Stripe

14 Black
14 Negro



Accessories & Adapters

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado



NEW

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

SURFACE PROFILE

Non Dimmable / Dim



L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Live End Feed



Non Dimmable / Dim

Blind End



Staight Connector



Linear Connector Feed



Non Dimmable / Dim

Inner Corner



90° Corner Feed



Non Dimmable / Dim

X Connector Feed



Non Dimmable / Dim

T Connector Feed



Non Dimmable / Dim

Track Cover



NEW

3 SELECT POWER SUPPLY AND CONTROL OPTION

Remote Installation Driver



60W - 220/240V



120W - 220/240V



200W - 100/240V

Surface Installation Driver

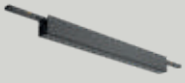
Power Supply Surface End



100W - 220/240V

or

Power Supply Surface Middle



100W - 220/240V

4 SELECT A LIGHT MODULE AND CONTROL OPTION

No DIM / DALI / 1-10V

Light Stripe 600 / 900 / 1200



General Lighting

Magic Stick
Magic Stick Asymmetric



General Lighting

Light Shadow Spot 30 / 45



S/M/F/WF

No DIM / DALI / 1-10V / Casambi

Find Me 0 / 1 / 2



S/M/F

Find Me Suspension



S/M

Atom 90 / 120



S/M

Atom 200

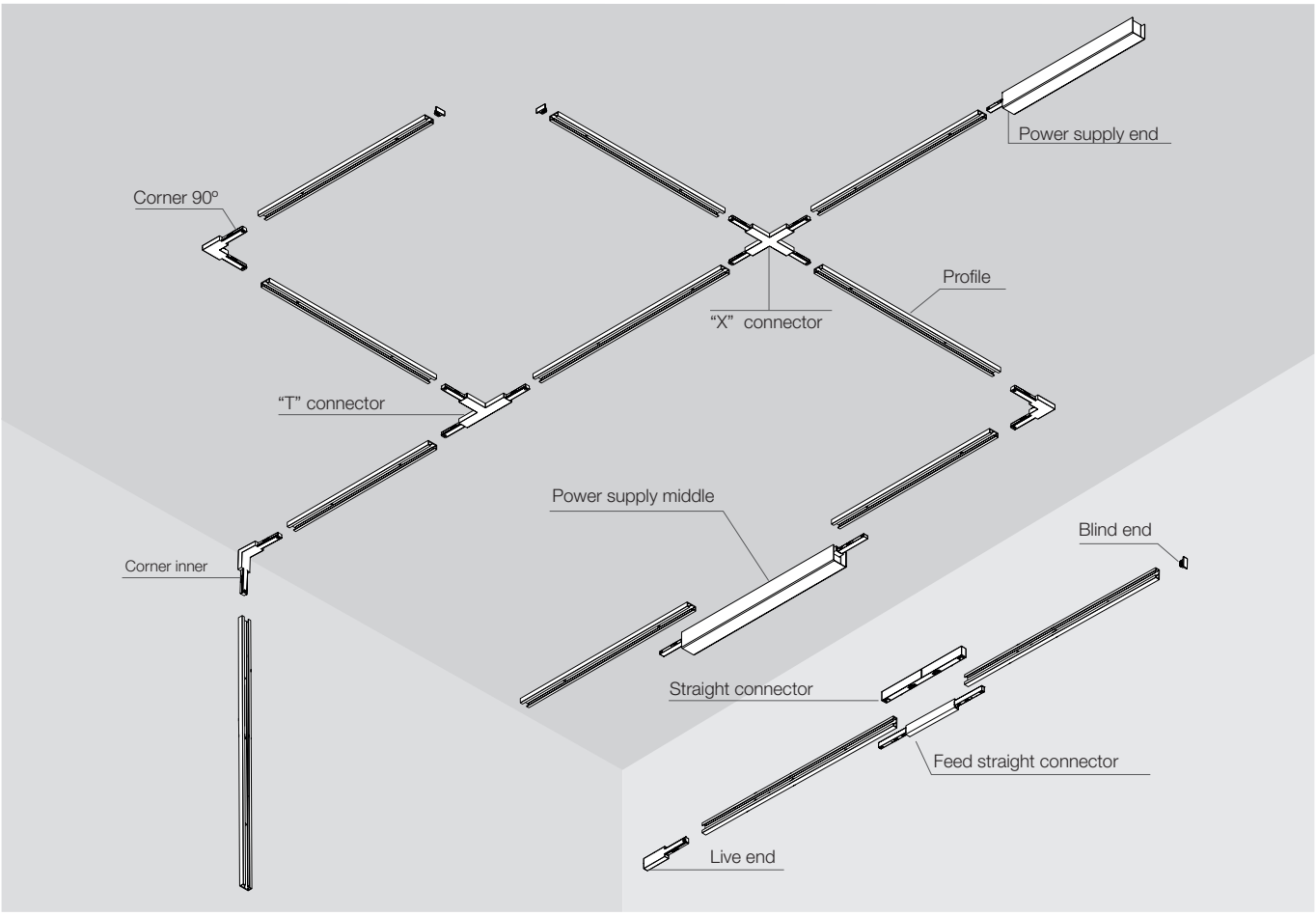


General Lighting

NEW

ZERO TRACK PRO — PROFILES

INSTALLATION

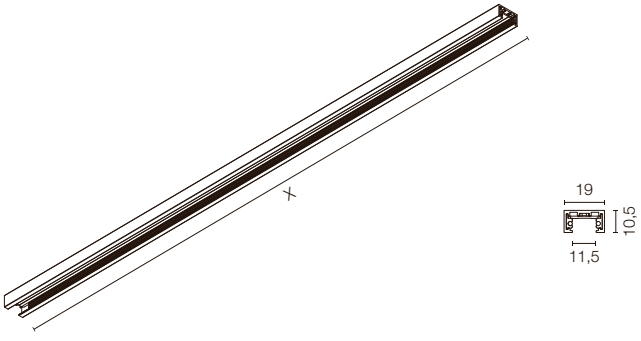


Profiles

Interior electromechanical profile (24Vdc) from 1 to 3m long for wall or ceiling installation, fastened with special screws and plugs provided with the profile. Request power connectors, intermediate connectors and covers separately. Feed unit joints available in the form of L, T and X in the same plane. It also has a linear electric connector for joining two track sections in the same plane and a 90º electromechanical connector for joining profile sections in different planes (interior wall-wall, ceiling-wall). Aesthetic covers for the inner profile gap available as an option.

Perfiles

Perfil electromecánico (24Vdc) de interior - con longitudes de 1 a 3m- para su instalación en superficie (techo o pared) con fijación mediante tornillos y tacos específicos servidos con el perfil. Necesario pedir por separado conector de alimentación, conectores intermedios y tapas. Disponibles uniones mecánicas alimentables en forma de L, T y X en el mismo plano. También dispone de un conector eléctrico lineal para unir dos segmentos de carril en el mismo plano y un conector electro-mecánico en forma de esquina de 90º para unir segmentos del perfil en distinto plano (techo-pared y pared-pared interior). También se ofrecen tapas estéticas opcionales para cubrir el hueco interior del perfil.



L: 1 m / 2 m / 3 m

Dimmable

L: 1000 mm
- 06.2600.40
- 06.2600.14
- 06.2600.EQ
- 06.2600.ER
- 06.2600.ES

L: 2000 mm
- 06.2601.40
- 06.2601.14
- 06.2601.EQ
- 06.2601.ER
- 06.2601.ES

L: 3000 mm
- 06.2602.40
- 06.2602.14

Non Dimmable

L: 1000 mm
- 06.2603.40
- 06.2603.14
- 06.2603.EQ
- 06.2603.ER
- 06.2603.ES

L: 2000 mm
- 06.2604.40
- 06.2604.14
- 06.2604.EQ
- 06.2604.ER
- 06.2604.ES

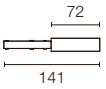
L: 3000 mm
- 06.2605.40
- 06.2605.14

NEW

Live End Feed
Feed unit for remote power supply unit. Power cable inserting is possible both from the Rear and the side.

Conector alimentación inicial
Unidad de alimentación para fuente de alimentación remota. La inserción del cable de alimentación es posible tanto desde la parte trasera como desde el lateral.



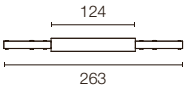


Dimmable
06.2606.40
06.2606.14
06.2606.EQ
06.2606.ER
06.2606.ES
Non Dimmable
06.2613.40
06.2613.14
06.2613.EQ
06.2613.ER
06.2613.ES

Linear Connector Feed
Feed intermediate connector. Rear feeding cable entry.

Conector alimentación lineal
Conector de alimentación intermedio. Entrada del cable de alimentación por la parte trasera.





Dimmable
06.2607.40
06.2607.14
06.2607.EQ
06.2607.ER
06.2607.ES
Non Dimmable
06.2621.40
06.2621.14
06.2621.EQ
06.2621.ER
06.2621.ES

Straight Connector
Intermediate connector with no feed entry.

Conector recto
Conector intermedio sin entrada de alimentación.



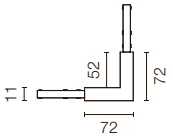


06.2608.40
06.2608.14

90º Corner Feed
90º flat corner. Can be powered. It has a rear space for the supply connection. Rear feeding cable entry.

Alimentación Esquina 90º
Esquina plana 90º. Alimentable. Con reserva para acometida por la parte trasera. Entrada del cable de alimentación por la parte trasera.



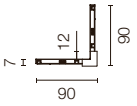


Dimmable
06.2609.40
06.2609.14
06.2609.EQ
06.2609.ER
06.2609.ES
Non Dimmable
06.2614.40
06.2614.14
06.2614.EQ
06.2614.ER
06.2614.ES

Inner Corner
Ceiling/wall - wall/wall inner corner. Rear feeding cable entry.

Esquina interior
Esquina interior techo/pared - pared/pared. Entrada del cable de alimentación por la parte trasera.





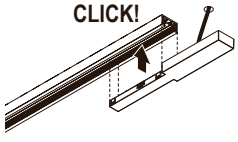
06.2610.40
06.2610.14

HOW TO INSTALL ZERO TRACK PRO

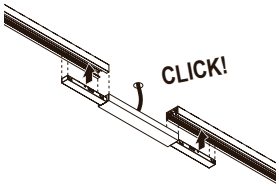
Installation Examples. Valid for: Feed Elements[A], Connectors[A], Inner Corner[A], Power Supply Boxes[A], Blind End[B] and Track Covers[C].

Ejemplos de instalación. Válidos para: Feed Elements[A], Connectors[A], Inner Corner[A], Power Supply Boxes[A], Blind End[B] y Track Covers[C].

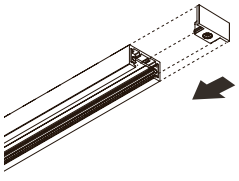
A



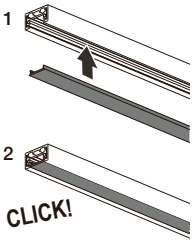
A



B



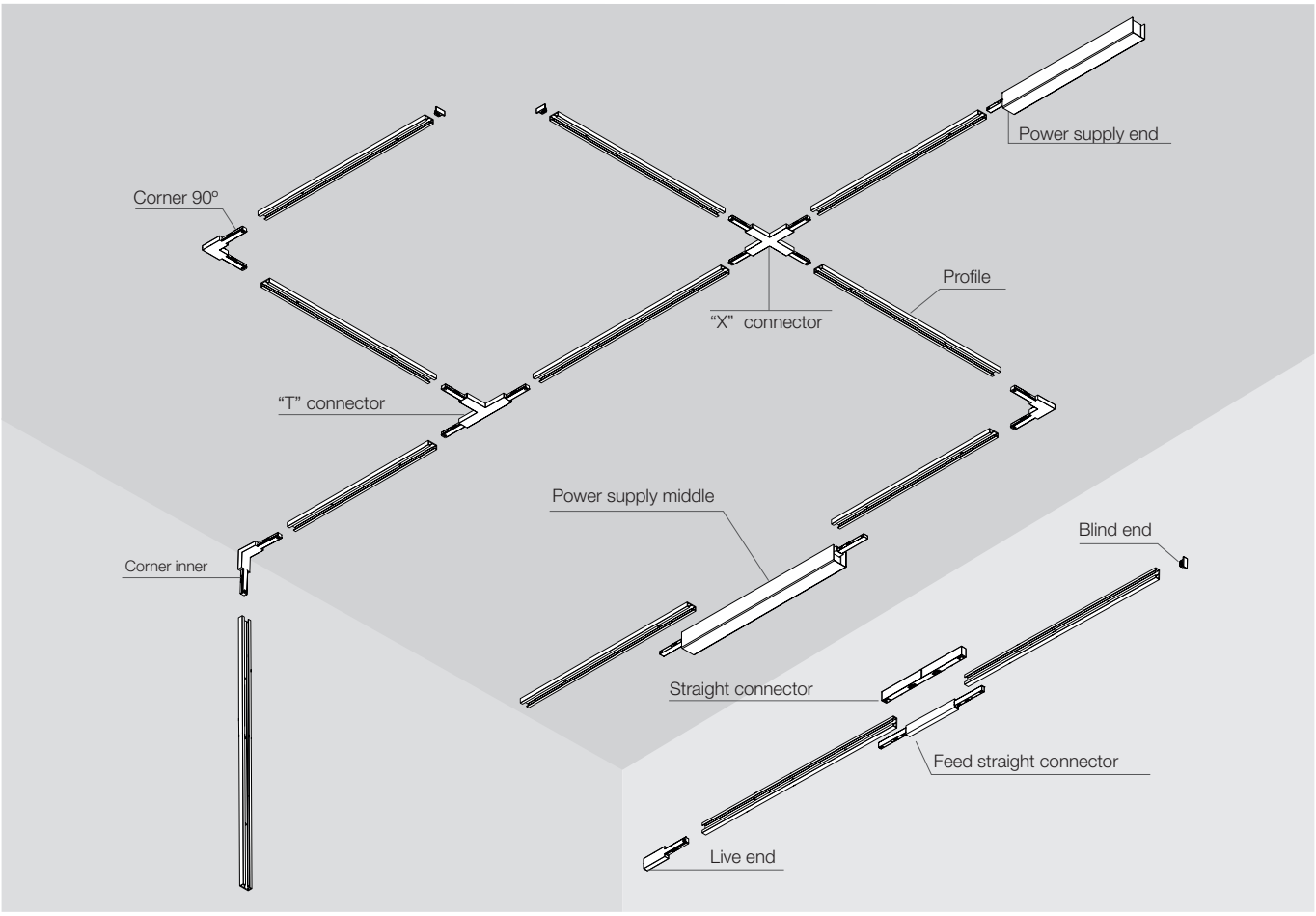
C



NEW

ZERO TRACK PRO — PROFILES

INSTALLATION

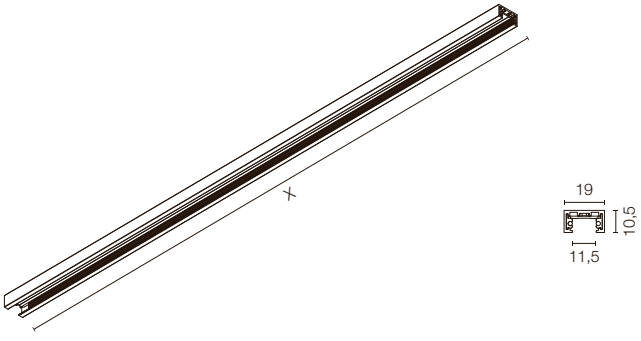


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L: 1 m / 2 m / 3 m

Dimmable

L: 1000 mm
- 06.2600.40
- 06.2600.14
- 06.2600.EQ
- 06.2600.ER
- 06.2600.ES

L: 2000 mm
- 06.2601.40
- 06.2601.14
- 06.2601.EQ
- 06.2601.ER
- 06.2601.ES

L: 3000 mm
- 06.2602.40
- 06.2602.14

Non Dimmable

L: 1000 mm
- 06.2603.40
- 06.2603.14
- 06.2603.EQ
- 06.2603.ER
- 06.2603.ES

L: 2000 mm
- 06.2604.40
- 06.2604.14
- 06.2604.EQ
- 06.2604.ER
- 06.2604.ES

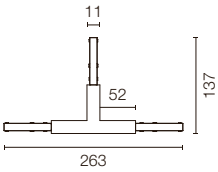
L: 3000 mm
- 06.2605.40
- 06.2605.14

NEW

T Connector Feed
T-shaped connector. Can be powered via connections on the back. Rear feeding cable entry.

Conector alimentación en forma de «T»
Conector en forma de «T». Alimentable, con acometida por la parte trasera. Entrada del cable de alimentación por la parte trasera.



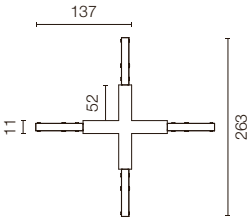


Dimmable
06.2611.40
06.2611.14
06.2611.EQ
06.2611.ER
06.2611.ES
Non Dimmable
06.2615.40
06.2615.14
06.2615.EQ
06.2615.ER
06.2615.ES

X Connector Feed
Cross-shaped connector. Can be powered via connections on the back. Rear feeding cable entry.

Conector alimentación en forma de cruz
Conector en forma de cruz. Alimentable, con acometida por la parte trasera. Entrada del cable de alimentación por la parte trasera.



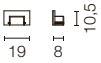


Dimmable
06.2612.40
06.2612.14
06.2612.EQ
06.2612.ER
06.2612.ES
Non Dimmable
06.2616.40
06.2616.14
06.2616.EQ
06.2616.ER
06.2616.ES

Blind End
End Cap.

Terminal de cierre
Tapa.



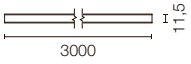


06.2617.40
06.2617.14
06.2617.EQ
06.2617.ER
06.2617.ES

Track Cover
Attractive cover for the inside of the profile. Only available in black and white.

Tapa embellecedora
Tapa embellecedora para cubrir el interior del perfil. Sólo disponible en blanco y negro.





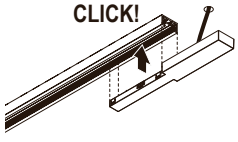
06.2618.40
06.2618.14

HOW TO INSTALL ZERO TRACK PRO

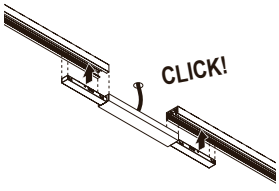
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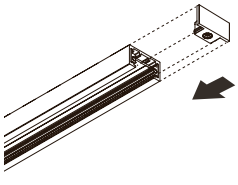
A



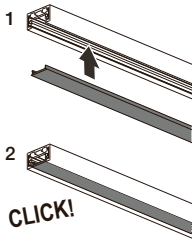
A



B



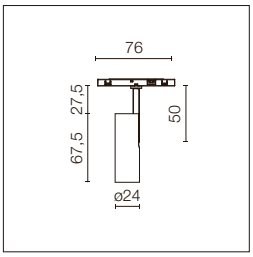
C

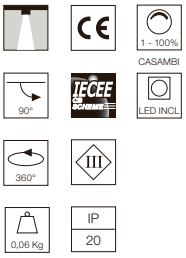


Find Me 0 Designed By Jorge Herrera

Light Source: Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyeción para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play). Accesorios incluidos (honeycomb y cruceta de apantallamiento).

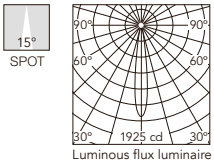
Optic Spot - 2700K

Non Dimmable

- 05.5100.40
- 05.5100.14
- 05.5100.EQ
- 05.5100.ER
- 05.5100.ES

Casambi

- 05.5100.40.CB
- 05.5100.14.CB
- 05.5100.EQ.CB
- 05.5100.ER.CB
- 05.5100.ES.CB



Luminous flux luminaire
169 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	1925 0.26
2	481 0.52
3	214 0.77
4	120 1.03
5	77 1.29

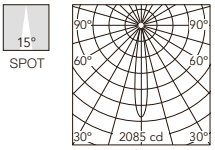
Optic Spot - 3000K

Non Dimmable

- 05.5105.40
- 05.5105.14
- 05.5105.EQ
- 05.5105.ER
- 05.5105.ES

Casambi

- 05.5105.40.CB
- 05.5105.14.CB
- 05.5105.EQ.CB
- 05.5105.ER.CB
- 05.5105.ES.CB



Luminous flux luminaire
183 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	2085 0.26
2	521 0.52
3	232 0.77
4	130 1.03
5	83 1.29

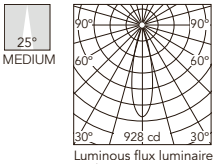
Optic Medium - 2700K

Non Dimmable

- 05.5101.40
- 05.5101.14
- 05.5101.EQ
- 05.5101.ER
- 05.5101.ES

Casambi

- 05.5101.40.CB
- 05.5101.14.CB
- 05.5101.EQ.CB
- 05.5101.ER.CB
- 05.5101.ES.CB



Luminous flux luminaire
179 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	928 0.45
2	232 0.89
3	103 1.34
4	58 1.79
5	37 2.23

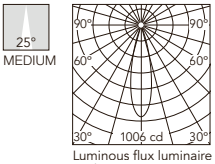
Optic Medium - 3000K

Non Dimmable

- 05.5106.40
- 05.5106.14
- 05.5106.EQ
- 05.5106.ER
- 05.5106.ES

Casambi

- 05.5106.40.CB
- 05.5106.14.CB
- 05.5106.EQ.CB
- 05.5106.ER.CB
- 05.5106.ES.CB



Luminous flux luminaire
194 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1006 0.45
2	251 0.89
3	112 1.34
4	63 1.79
5	40 2.23

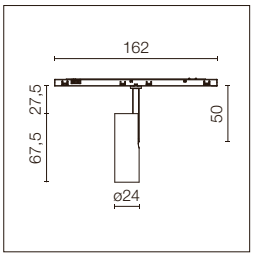
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

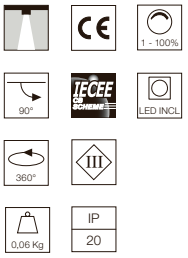
NEW

Find Me 0 Designed By Jorge Herrera

Light Source: Power LED 3,5W - 276 lm - 2700K/CRI 90 / 302 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

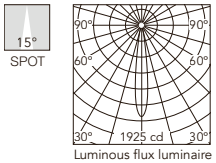
Optic Spot - 2700K

Dali

- 05.5100.40.DA
- 05.5100.14.DA
- 05.5100.EQ.DA
- 05.5100.ER.DA
- 05.5100.ES.DA

1-10V

- 05.5100.40.1V
- 05.5100.14.1V
- 05.5100.EQ.1V
- 05.5100.ER.1V
- 05.5100.ES.1V



Luminous flux luminaire
169 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	1925 0.26
2	481 0.52
3	214 0.77
4	120 1.03
5	77 1.29

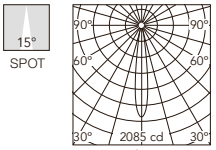
Optic Spot - 3000K

Dali

- 05.5105.40.DA
- 05.5105.14.DA
- 05.5105.EQ.DA
- 05.5105.ER.DA
- 05.5105.ES.DA

1-10V

- 05.5105.40.1V
- 05.5105.14.1V
- 05.5105.EQ.1V
- 05.5105.ER.1V
- 05.5105.ES.1V



Luminous flux luminaire
183 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	2085 0.26
2	521 0.52
3	232 0.77
4	130 1.03
5	83 1.29

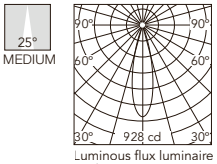
Optic Medium - 2700K

Dali

- 05.5101.40.DA
- 05.5101.14.DA
- 05.5101.EQ.DA
- 05.5101.ER.DA
- 05.5101.ES.DA

1-10V

- 05.5101.40.1V
- 05.5101.14.1V
- 05.5101.EQ.1V
- 05.5101.ER.1V
- 05.5101.ES.1V



Luminous flux luminaire
179 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	928 0.45
2	232 0.89
3	103 1.34
4	58 1.79
5	37 2.23

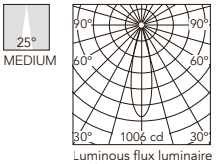
Optic Medium - 3000K

Dali

- 05.5106.40.DA
- 05.5106.14.DA
- 05.5106.EQ.DA
- 05.5106.ER.DA
- 05.5106.ES.DA

1-10V

- 05.5106.40.1V
- 05.5106.14.1V
- 05.5106.EQ.1V
- 05.5106.ER.1V
- 05.5106.ES.1V



Luminous flux luminaire
194 lm

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1006 0.45
2	251 0.89
3	112 1.34
4	63 1.79
5	40 2.23

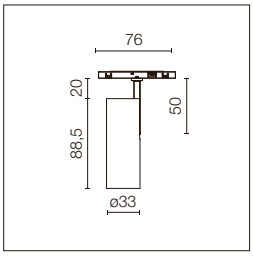
NEW

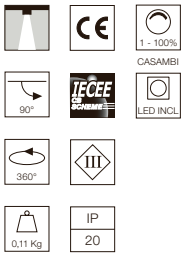
ZERO TRACK PRO — LIGHT MODULES

Find Me 1 Designed By Jorge Herrera

Light Source: Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyeción para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play). Accesorios incluidos (honeycomb y cruceta de apantallamiento).

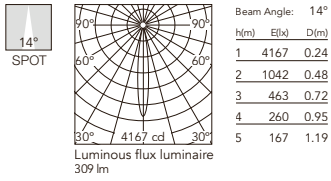
Optic Spot - 2700K

Non Dimmable

- 05.5110.40
- 05.5110.14
- 05.5110.EQ
- 05.5110.ER
- 05.5110.ES

Casambi

- 05.5110.40.CB
- 05.5110.14.CB
- 05.5110.EQ.CB
- 05.5110.ER.CB
- 05.5110.ES.CB



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

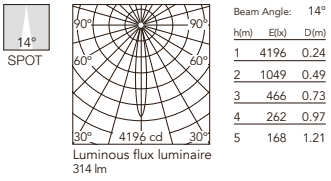
Optic Spot - 3000K

Non Dimmable

- 05.5115.40
- 05.5115.14
- 05.5115.EQ
- 05.5115.ER
- 05.5115.ES

Casambi

- 05.5115.40.CB
- 05.5115.14.CB
- 05.5115.EQ.CB
- 05.5115.ER.CB
- 05.5115.ES.CB



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

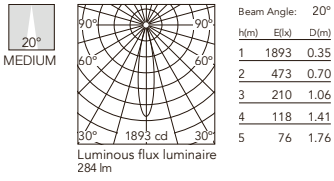
Optic Medium - 2700K

Non Dimmable

- 05.5111.40
- 05.5111.14
- 05.5111.EQ
- 05.5111.ER
- 05.5111.ES

Casambi

- 05.5111.40.CB
- 05.5111.14.CB
- 05.5111.EQ.CB
- 05.5111.ER.CB
- 05.5111.ES.CB



Luminous flux luminaire
284 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

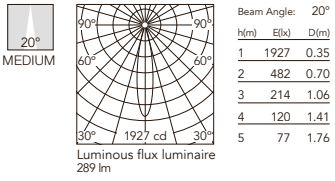
Optic Medium - 3000K

Non Dimmable

- 05.5116.40
- 05.5116.14
- 05.5116.EQ
- 05.5116.ER
- 05.5116.ES

Casambi

- 05.5116.40.CB
- 05.5116.14.CB
- 05.5116.EQ.CB
- 05.5116.ER.CB
- 05.5116.ES.CB



Luminous flux luminaire
289 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

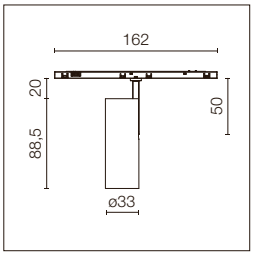
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

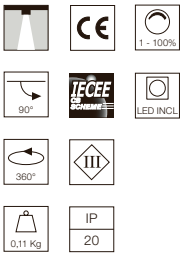
NEW

Find Me 1 Designed By Jorge Herrera

Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 485 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

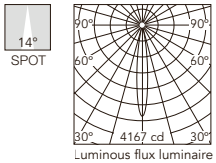
Optic Spot - 2700K

Dali

- 05.5110.40.DA
- 05.5110.14.DA
- 05.5110.EQ.DA
- 05.5110.ER.DA
- 05.5110.ES.DA

1-10V

- 05.5110.40.1V
- 05.5110.14.1V
- 05.5110.EQ.1V
- 05.5110.ER.1V
- 05.5110.ES.1V



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

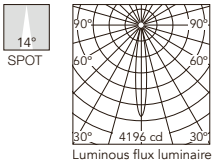
Optic Spot - 3000K

Dali

- 05.5115.40.DA
- 05.5115.14.DA
- 05.5115.EQ.DA
- 05.5115.ER.DA
- 05.5115.ES.DA

1-10V

- 05.5115.40.1V
- 05.5115.14.1V
- 05.5115.EQ.1V
- 05.5115.ER.1V
- 05.5115.ES.1V



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

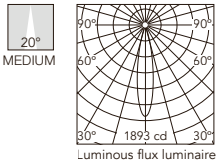
Optic Medium - 2700K

Dali

- 05.5111.40.DA
- 05.5111.14.DA
- 05.5111.EQ.DA
- 05.5111.ER.DA
- 05.5111.ES.DA

1-10V

- 05.5111.40.1V
- 05.5111.14.1V
- 05.5111.EQ.1V
- 05.5111.ER.1V
- 05.5111.ES.1V



Luminous flux luminaire
284 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

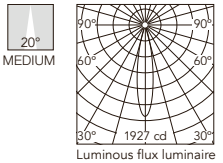
Optic Medium - 3000K

Dali

- 05.5116.40.DA
- 05.5116.14.DA
- 05.5116.EQ.DA
- 05.5116.ER.DA
- 05.5116.ES.DA

1-10V

- 05.5116.40.1V
- 05.5116.14.1V
- 05.5116.EQ.1V
- 05.5116.ER.1V
- 05.5116.ES.1V



Luminous flux luminaire
289 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1927	0.35
2	482	0.70
3	214	1.06
4	120	1.41
5	77	1.76

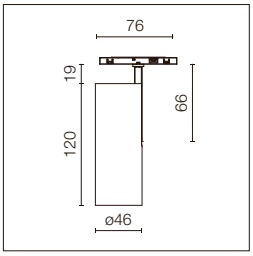
NEW

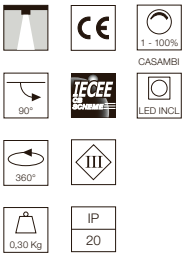
ZERO TRACK PRO — LIGHT MODULES

Find Me 2 Designed By Jorge Herrera

Light Source: Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyeción para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play). Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Optic Spot - 2700K

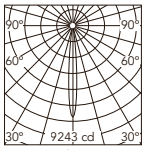
Non Dimmable

- 05.5120.40
- 05.5120.14
- 05.5120.EQ
- 05.5120.ER
- 05.5120.ES

Casambi

- 05.5120.40.CB
- 05.5120.14.CB
- 05.5120.EQ.CB
- 05.5120.ER.CB
- 05.5120.ES.CB

10° SPOT



Luminous flux luminaire 479 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	9243 0.18
2	2311 0.35
3	1027 0.53
4	578 0.70
5	370 0.88

Optic Spot - 3000K

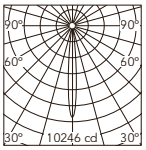
Non Dimmable

- 05.5125.40
- 05.5125.14
- 05.5125.EQ
- 05.5125.ER
- 05.5125.ES

Casambi

- 05.5125.40.CB
- 05.5125.14.CB
- 05.5125.EQ.CB
- 05.5125.ER.CB
- 05.5125.ES.CB

10° SPOT



Luminous flux luminaire 531 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	10246 0.18
2	2562 0.35
3	1138 0.53
4	640 0.70
5	410 0.88

Optic Medium - 2700K

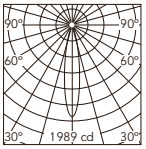
Non Dimmable

- 05.5121.40
- 05.5121.14
- 05.5121.EQ
- 05.5121.ER
- 05.5121.ES

Casambi

- 05.5121.40.CB
- 05.5121.14.CB
- 05.5121.EQ.CB
- 05.5121.ER.CB
- 05.5121.ES.CB

19° MEDIUM



Luminous flux luminaire 441 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	1989 0.34
2	497 0.67
3	221 1.01
4	124 1.34
5	80 1.68

Optic Medium - 3000K

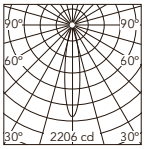
Non Dimmable

- 05.5126.40
- 05.5126.14
- 05.5126.EQ
- 05.5126.ER
- 05.5126.ES

Casambi

- 05.5126.40.CB
- 05.5126.14.CB
- 05.5126.EQ.CB
- 05.5126.ER.CB
- 05.5126.ES.CB

19° MEDIUM



Luminous flux luminaire 489 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2206 0.34
2	551 0.67
3	245 1.01
4	138 1.34
5	88 1.68

Optic Flood - 2700K

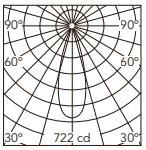
Non Dimmable

- 05.5122.40
- 05.5122.14
- 05.5122.EQ
- 05.5122.ER
- 05.5122.ES

Casambi

- 05.5122.40.CB
- 05.5122.14.CB
- 05.5122.EQ.CB
- 05.5122.ER.CB
- 05.5122.ES.CB

32° FLOOD



Luminous flux luminaire 364 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	722 0.57
2	180 1.15
3	80 1.72
4	45 2.29
5	29 2.87

Optic Flood - 3000K

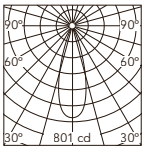
Non Dimmable

- 05.5127.40
- 05.5127.14
- 05.5127.EQ
- 05.5127.ER
- 05.5127.ES

Casambi

- 05.5127.40.CB
- 05.5127.14.CB
- 05.5127.EQ.CB
- 05.5127.ER.CB
- 05.5127.ES.CB

32° FLOOD



Luminous flux luminaire 404 lm

Beam Angle:	32°
h(m)	E(lx) D(m)
1	801 0.57
2	200 1.15
3	89 1.72
4	50 2.29
5	32 2.87

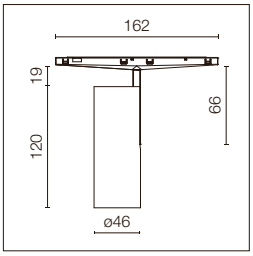
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

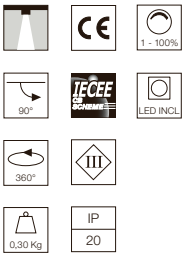
NEW

Find Me 2 Designed By Jorge Herrera

Light Source: Power LED 10,5W - 724 lm - 2700K/CRI90 / 781 lm - 3000K/CRI90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Optic Spot - 2700K

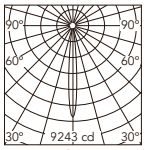
Dali

- 05.5120.40.DA
- 05.5120.14.DA
- 05.5120.EQ.DA
- 05.5120.ER.DA
- 05.5120.ES.DA

1-10V

- 05.5120.40.1V
- 05.5120.14.1V
- 05.5120.EQ.1V
- 05.5120.ER.1V
- 05.5120.ES.1V

10° SPOT



Luminous flux luminaire 479 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	9243	0.18
2	2311	0.35
3	1027	0.53
4	578	0.70
5	370	0.88

Optic Spot - 3000K

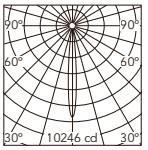
Dali

- 05.5125.40.DA
- 05.5125.14.DA
- 05.5125.EQ.DA
- 05.5125.ER.DA
- 05.5125.ES.DA

1-10V

- 05.5125.40.1V
- 05.5125.14.1V
- 05.5125.EQ.1V
- 05.5125.ER.1V
- 05.5125.ES.1V

10° SPOT



Luminous flux luminaire 531 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10246	0.18
2	2562	0.35
3	1138	0.53
4	640	0.70
5	410	0.88

Optic Medium - 2700K

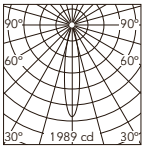
Dali

- 05.5121.40.DA
- 05.5121.14.DA
- 05.5121.EQ.DA
- 05.5121.ER.DA
- 05.5121.ES.DA

1-10V

- 05.5121.40.1V
- 05.5121.14.1V
- 05.5121.EQ.1V
- 05.5121.ER.1V
- 05.5121.ES.1V

19° MEDIUM



Luminous flux luminaire 441 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1989	0.34
2	497	0.67
3	221	1.01
4	124	1.34
5	80	1.68

Optic Medium - 3000K

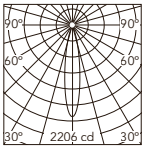
Dali

- 05.5126.40.DA
- 05.5126.14.DA
- 05.5126.EQ.DA
- 05.5126.ER.DA
- 05.5126.ES.DA

1-10V

- 05.5126.40.1V
- 05.5126.14.1V
- 05.5126.EQ.1V
- 05.5126.ER.1V
- 05.5126.ES.1V

19° MEDIUM



Luminous flux luminaire 489 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2206	0.34
2	551	0.67
3	245	1.01
4	138	1.34
5	88	1.68

Optic Flood - 2700K

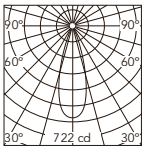
Dali

- 05.5122.40.DA
- 05.5122.14.DA
- 05.5122.EQ.DA
- 05.5122.ER.DA
- 05.5122.ES.DA

1-10V

- 05.5122.40.1V
- 05.5122.14.1V
- 05.5122.EQ.1V
- 05.5122.ER.1V
- 05.5122.ES.1V

32° FLOOD



Luminous flux luminaire 364 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	722	0.57
2	180	1.15
3	80	1.72
4	45	2.29
5	29	2.87

Optic Flood - 3000K

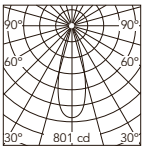
Dali

- 05.5127.40.DA
- 05.5127.14.DA
- 05.5127.EQ.DA
- 05.5127.ER.DA
- 05.5127.ES.DA

1-10V

- 05.5127.40.1V
- 05.5127.14.1V
- 05.5127.EQ.1V
- 05.5127.ER.1V
- 05.5127.ES.1V

32° FLOOD



Luminous flux luminaire 404 lm

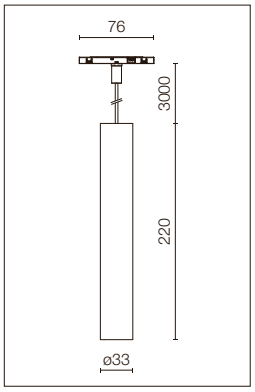
Beam Angle: 32°

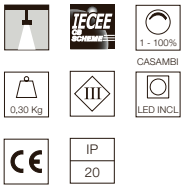
h(m)	E(lx)	D(m)
1	801	0.57
2	200	1.15
3	89	1.72
4	50	2.29
5	32	2.87

Find Me 1 Suspension Designed By Jorge Herrera

Light Source: Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play). Cannot be installed on vertical tracks. Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play). No se puede instalar en carriles verticales. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

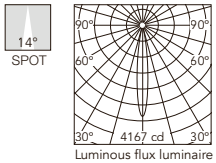
Optic Spot - 2700K

Non Dimmable

- 05.5130.40
- 05.5130.14
- 05.5130.EQ
- 05.5130.ER
- 05.5130.ES

Casambi

- 05.5130.40.CB
- 05.5130.14.CB
- 05.5130.EQ.CB
- 05.5130.ER.CB
- 05.5130.ES.CB



Luminous flux luminaire
309 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

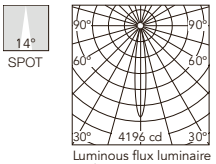
Optic Spot - 3000K

Non Dimmable

- 05.5135.40
- 05.5135.14
- 05.5135.EQ
- 05.5135.ER
- 05.5135.ES

Casambi

- 05.5135.40.CB
- 05.5135.14.CB
- 05.5135.EQ.CB
- 05.5135.ER.CB
- 05.5135.ES.CB



Luminous flux luminaire
314 lm

Beam Angle:		14°
h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

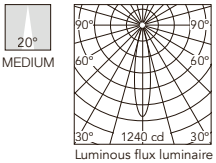
Optic Medium - 2700K

Non Dimmable

- 05.5131.40
- 05.5131.14
- 05.5131.EQ
- 05.5131.ER
- 05.5131.ES

Casambi

- 05.5131.40.CB
- 05.5131.14.CB
- 05.5131.EQ.CB
- 05.5131.ER.CB
- 05.5131.ES.CB



Luminous flux luminaire
186 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1240	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

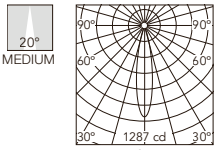
Optic Medium - 3000K

Non Dimmable

- 05.5136.40
- 05.5136.14
- 05.5136.EQ
- 05.5136.ER
- 05.5136.ES

Casambi

- 05.5136.40.CB
- 05.5136.14.CB
- 05.5136.EQ.CB
- 05.5136.ER.CB
- 05.5136.ES.CB



Luminous flux luminaire
193 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	1287	0.35
2	322	0.70
3	143	1.06
4	80	1.41
5	51	1.76

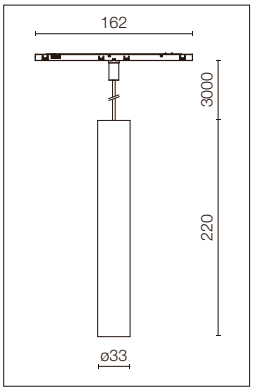
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

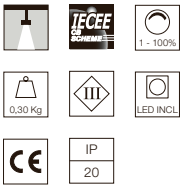
NEW

Find Me 1 Suspension Designed By Jorge Herrera

Light Source: Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V. Cannot be installed on vertical tracks. Accessories included (honeycomb grid and protection bar).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V. No se puede instalar en carriles verticales. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

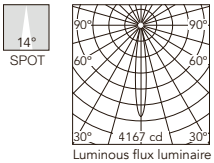
Optic Spot - 2700K

Dali

- 05.5130.40.DA
- 05.5130.14.DA
- 05.5130.EQ.DA
- 05.5130.ER.DA
- 05.5130.ES.DA

1-10V

- 05.5130.40.1V
- 05.5130.14.1V
- 05.5130.EQ.1V
- 05.5130.ER.1V
- 05.5130.ES.1V



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4167	0.24
2	1042	0.48
3	463	0.72
4	260	0.95
5	167	1.19

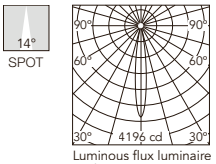
Optic Spot - 3000K

Dali

- 05.5135.40.DA
- 05.5135.14.DA
- 05.5135.EQ.DA
- 05.5135.ER.DA
- 05.5135.ES.DA

1-10V

- 05.5135.40.1V
- 05.5135.14.1V
- 05.5135.EQ.1V
- 05.5135.ER.1V
- 05.5135.ES.1V



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4196	0.24
2	1049	0.49
3	466	0.73
4	262	0.97
5	168	1.21

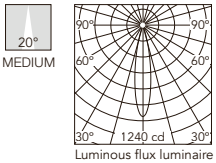
Optic Medium - 2700K

Dali

- 05.5131.40.DA
- 05.5131.14.DA
- 05.5131.EQ.DA
- 05.5131.ER.DA
- 05.5131.ES.DA

1-10V

- 05.5131.40.1V
- 05.5131.14.1V
- 05.5131.EQ.1V
- 05.5131.ER.1V
- 05.5131.ES.1V



Luminous flux luminaire
186 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1240	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

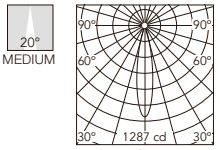
Optic Medium - 3000K

Dali

- 05.5136.40.DA
- 05.5136.14.DA
- 05.5136.EQ.DA
- 05.5136.ER.DA
- 05.5136.ES.DA

1-10V

- 05.5136.40.1V
- 05.5136.14.1V
- 05.5136.EQ.1V
- 05.5136.ER.1V
- 05.5136.ES.1V



Luminous flux luminaire
193 lm

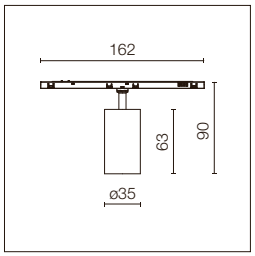
Beam Angle: 20°

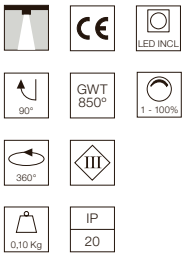
h(m)	E(lx)	D(m)
1	1287	0.35
2	322	0.70
3	143	1.06
4	80	1.41
5	51	1.76

Light Shadow Spot 30

Light Source: Power LED 4,7W - 257 lm - 2700K/CRI 90 / 263 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

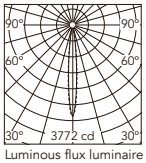
Optic Spot - 2700K

Non Dimmable
- 05.5170.40
- 05.5170.14
- 05.5170.EQ
- 05.5170.ER
- 05.5170.ES

Dali
- 05.5170.40.DA
- 05.5170.14.DA
- 05.5170.EQ.DA
- 05.5170.ER.DA
- 05.5170.ES.DA

1-10V
- 05.5170.40.1V
- 05.5170.14.1V
- 05.5170.EQ.1V
- 05.5170.ER.1V
- 05.5170.ES.1V





Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

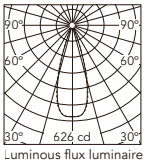
Optic Flood - 2700K

Non Dimmable
- 05.5172.40
- 05.5172.14
- 05.5172.EQ
- 05.5172.ER
- 05.5172.ES

Dali
- 05.5172.40.DA
- 05.5172.14.DA
- 05.5172.EQ.DA
- 05.5172.ER.DA
- 05.5172.ES.DA

1-10V
- 05.5172.40.1V
- 05.5172.14.1V
- 05.5172.EQ.1V
- 05.5172.ER.1V
- 05.5172.ES.1V





Luminous flux luminaire 200 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

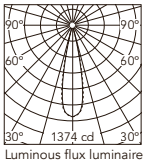
Optic Medium - 2700K

Non Dimmable
- 05.5171.40
- 05.5171.14
- 05.5171.EQ
- 05.5171.ER
- 05.5171.ES

Dali
- 05.5171.40.DA
- 05.5171.14.DA
- 05.5171.EQ.DA
- 05.5171.ER.DA
- 05.5171.ES.DA

1-10V
- 05.5171.40.1V
- 05.5171.14.1V
- 05.5171.EQ.1V
- 05.5171.ER.1V
- 05.5171.ES.1V





Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

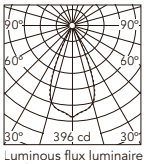
Optic Wide Flood - 2700K

Non Dimmable
- 05.5173.40
- 05.5173.14
- 05.5173.EQ
- 05.5173.ER
- 05.5173.ES

Dali
- 05.5173.40.DA
- 05.5173.14.DA
- 05.5173.EQ.DA
- 05.5173.ER.DA
- 05.5173.ES.DA

1-10V
- 05.5173.40.1V
- 05.5173.14.1V
- 05.5173.EQ.1V
- 05.5173.ER.1V
- 05.5173.ES.1V





Luminous flux luminaire 209 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

NEW

Optic Spot - 3000K

Non Dimmable

- 05.5175.40
- 05.5175.14
- 05.5175.EQ
- 05.5175.ER
- 05.5175.ES

Dali

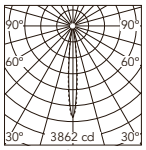
- 05.5175.40.DA
- 05.5175.14.DA
- 05.5175.EQ.DA
- 05.5175.ER.DA
- 05.5175.ES.DA

1-10V

- 05.5175.40.1V
- 05.5175.14.1V
- 05.5175.EQ.1V
- 05.5175.ER.1V
- 05.5175.ES.1V



SPOT



Luminous flux luminaire
214 lm

Beam Angle:	10°
h(m)	E(lx) D(m)
1	3862 0.18
2	966 0.36
3	429 0.54
4	241 0.72
5	154 0.90

Optic Flood - 3000K

Non Dimmable

- 05.5177.40
- 05.5177.14
- 05.5177.EQ
- 05.5177.ER
- 05.5177.ES

Dali

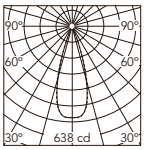
- 05.5177.40.DA
- 05.5177.14.DA
- 05.5177.EQ.DA
- 05.5177.ER.DA
- 05.5177.ES.DA

1-10V

- 05.5177.40.1V
- 05.5177.14.1V
- 05.5177.EQ.1V
- 05.5177.ER.1V
- 05.5177.ES.1V



FLOOD



Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	638 0.60
2	159 1.19
3	71 1.79
4	40 2.39
5	26 2.99

Optic Medium - 3000K

Non Dimmable

- 05.5176.40
- 05.5176.14
- 05.5176.EQ
- 05.5176.ER
- 05.5176.ES

Dali

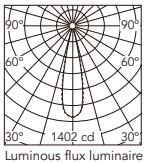
- 05.5176.40.DA
- 05.5176.14.DA
- 05.5176.EQ.DA
- 05.5176.ER.DA
- 05.5176.ES.DA

1-10V

- 05.5176.40.1V
- 05.5176.14.1V
- 05.5176.EQ.1V
- 05.5176.ER.1V
- 05.5176.ES.1V



MEDIUM



Luminous flux luminaire
205 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1402 0.39
2	350 0.78
3	156 1.17
4	88 1.56
5	56 1.95

Optic Wide Flood - 3000K

Non Dimmable

- 05.5178.40
- 05.5178.14
- 05.5178.EQ
- 05.5178.ER
- 05.5178.ES

Dali

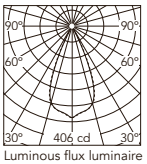
- 05.5178.40.DA
- 05.5178.14.DA
- 05.5178.EQ.DA
- 05.5178.ER.DA
- 05.5178.ES.DA

1-10V

- 05.5178.40.1V
- 05.5178.14.1V
- 05.5178.EQ.1V
- 05.5178.ER.1V
- 05.5178.ES.1V



WIDE FLOOD



Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx) D(m)
1	406 0.84
2	101 1.69
3	45 2.53
4	25 3.38
5	16 4.22

Accessories / Accesorios

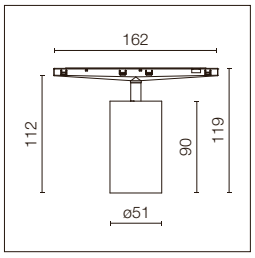
Light Shadow Spot 30

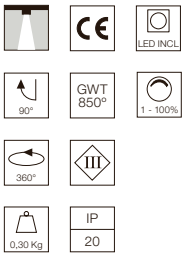
Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

Light Source: LED Array 11W - 799 lm - 2700K/CRI 90 / 844 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

Optic Spot - 2700K

Non Dimmable

- 05.5180.40
- 05.5180.14
- 05.5180.EQ
- 05.5180.ER
- 05.5180.ES

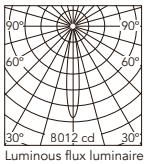
Dali

- 05.5180.40.DA
- 05.5180.14.DA
- 05.5180.EQ.DA
- 05.5180.ER.DA
- 05.5180.ES.DA

1-10V

- 05.5180.40.1V
- 05.5180.14.1V
- 05.5180.EQ.1V
- 05.5180.ER.1V
- 05.5180.ES.1V





Luminous flux luminaire
650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Flood - 2700K

Non Dimmable

- 05.5182.40
- 05.5182.14
- 05.5182.EQ
- 05.5182.ER
- 05.5182.ES

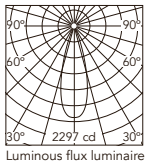
Dali

- 05.5182.40.DA
- 05.5182.14.DA
- 05.5182.EQ.DA
- 05.5182.ER.DA
- 05.5182.ES.DA

1-10V

- 05.5182.40.1V
- 05.5182.14.1V
- 05.5182.EQ.1V
- 05.5182.ER.1V
- 05.5182.ES.1V





Luminous flux luminaire
646 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Medium - 2700K

Non Dimmable

- 05.5181.40
- 05.5181.14
- 05.5181.EQ
- 05.5181.ER
- 05.5181.ES

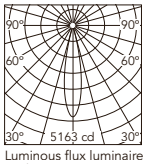
Dali

- 05.5181.40.DA
- 05.5181.14.DA
- 05.5181.EQ.DA
- 05.5181.ER.DA
- 05.5181.ES.DA

1-10V

- 05.5181.40.1V
- 05.5181.14.1V
- 05.5181.EQ.1V
- 05.5181.ER.1V
- 05.5181.ES.1V





Luminous flux luminaire
645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

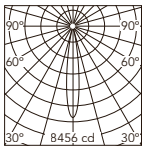
NEW

Optic Spot - 3000K

Non Dimmable

- 05.5185.40
- 05.5185.14
- 05.5185.EQ
- 05.5185.ER
- 05.5185.ES





Luminous flux luminaire
686 lm

Beam Angle:	15°
h(m)	E(lx) D(m)
1	8456 0.27
2	2114 0.54
3	940 0.80
4	528 1.07
5	338 1.34

Dali

- 05.5185.40.DA
- 05.5185.14.DA
- 05.5185.EQ.DA
- 05.5185.ER.DA
- 05.5185.ES.DA

1-10V

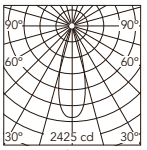
- 05.5185.40.1V
- 05.5185.14.1V
- 05.5185.EQ.1V
- 05.5185.ER.1V
- 05.5185.ES.1V

Optic Flood - 3000K

Non Dimmable

- 05.5187.40
- 05.5187.14
- 05.5187.EQ
- 05.5187.ER
- 05.5187.ES





Luminous flux luminaire
682 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	2424 0.56
2	606 1.11
3	269 1.67
4	152 2.22
5	97 2.78

Dali

- 05.5187.40.DA
- 05.5187.14.DA
- 05.5187.EQ.DA
- 05.5187.ER.DA
- 05.5187.ES.DA

1-10V

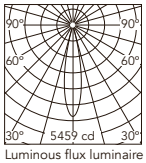
- 05.5187.40.1V
- 05.5187.14.1V
- 05.5187.EQ.1V
- 05.5187.ER.1V
- 05.5187.ES.1V

Optic Medium - 3000K

Non Dimmable

- 05.5186.40
- 05.5186.14
- 05.5186.EQ
- 05.5186.ER
- 05.5186.ES





Luminous flux luminaire
682 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	5459 0.36
2	1365 0.73
3	607 1.09
4	341 1.46
5	218 1.82

Dali

- 05.5186.40.DA
- 05.5186.14.DA
- 05.5186.EQ.DA
- 05.5186.ER.DA
- 05.5186.ES.DA

1-10V

- 05.5186.40.1V
- 05.5186.14.1V
- 05.5186.EQ.1V
- 05.5186.ER.1V
- 05.5186.ES.1V

Accessories / Accesorios

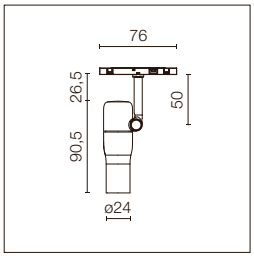
Light Shadow Spot 45

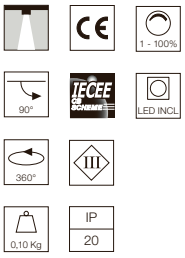
Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

Atom 90 Designed By Piero Lissoni

Light Source: Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play).

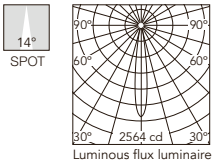
Optic Spot - 2700K

Non Dimmable

- 05.5140.40
- 05.5140.14
- 05.5140.EQ
- 05.5140.ER
- 05.5140.ES

Casambi

- 05.5140.40.CB
- 05.5140.14.CB
- 05.5140.EQ.CB
- 05.5140.ER.CB
- 05.5140.ES.CB



Luminous flux luminaire
224 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

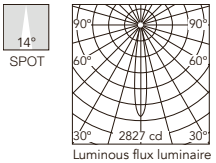
Optic Spot - 3000K

Non Dimmable

- 05.5145.40
- 05.5145.14
- 05.5145.EQ
- 05.5145.ER
- 05.5145.ES

Casambi

- 05.5145.40.CB
- 05.5145.14.CB
- 05.5145.EQ.CB
- 05.5145.ER.CB
- 05.5145.ES.CB



Luminous flux luminaire
247 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

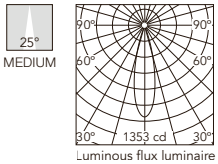
Optic Medium - 2700K

Non Dimmable

- 05.5141.40
- 05.5141.14
- 05.5141.EQ
- 05.5141.ER
- 05.5141.ES

Casambi

- 05.5141.40.CB
- 05.5141.14.CB
- 05.5141.EQ.CB
- 05.5141.ER.CB
- 05.5141.ES.CB



Luminous flux luminaire
261 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

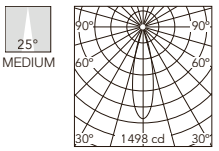
Optic Medium - 3000K

Non Dimmable

- 05.5146.40
- 05.5146.14
- 05.5146.EQ
- 05.5146.ER
- 05.5146.ES

Casambi

- 05.5146.40.CB
- 05.5146.14.CB
- 05.5146.EQ.CB
- 05.5146.ER.CB
- 05.5146.ES.CB



Luminous flux luminaire
289 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

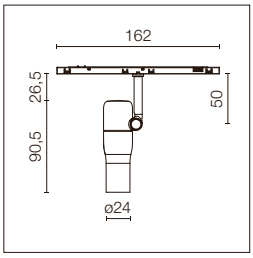
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

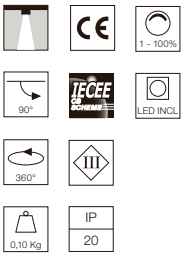
NEW

Atom 90 Designed By Piero Lissoni

Light Source: Power LED 5,5W - 432 lm - 2700K/CRI 90 / 446 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

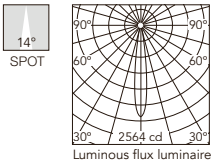
Optic Spot - 2700K

Dali

- 05.5140.40.DA
- 05.5140.14.DA
- 05.5140.EQ.DA
- 05.5140.ER.DA
- 05.5140.ES.DA

1-10V

- 05.5140.40.1V
- 05.5140.14.1V
- 05.5140.EQ.1V
- 05.5140.ER.1V
- 05.5140.ES.1V



Luminous flux luminaire
224 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2564	0.25
2	641	0.51
3	285	0.76
4	160	1.02
5	103	1.27

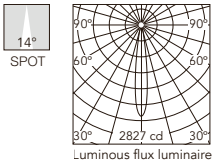
Optic Spot - 3000K

Dali

- 05.5145.40.DA
- 05.5145.14.DA
- 05.5145.EQ.DA
- 05.5145.ER.DA
- 05.5145.ES.DA

1-10V

- 05.5145.40.1V
- 05.5145.14.1V
- 05.5145.EQ.1V
- 05.5145.ER.1V
- 05.5145.ES.1V



Luminous flux luminaire
247 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2827	0.25
2	707	0.51
3	314	0.76
4	177	1.02
5	113	1.27

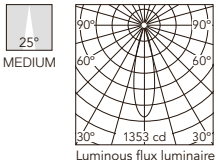
Optic Medium - 2700K

Dali

- 05.5141.40.DA
- 05.5141.14.DA
- 05.5141.EQ.DA
- 05.5141.ER.DA
- 05.5141.ES.DA

1-10V

- 05.5141.40.1V
- 05.5141.14.1V
- 05.5141.EQ.1V
- 05.5141.ER.1V
- 05.5141.ES.1V



Luminous flux luminaire
261 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1353	0.45
2	338	0.89
3	150	1.34
4	85	1.79
5	54	2.23

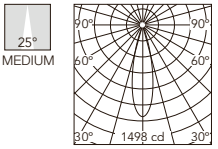
Optic Medium - 3000K

Dali

- 05.5146.40.DA
- 05.5146.14.DA
- 05.5146.EQ.DA
- 05.5146.ER.DA
- 05.5146.ES.DA

1-10V

- 05.5146.40.1V
- 05.5146.14.1V
- 05.5146.EQ.1V
- 05.5146.ER.1V
- 05.5146.ES.1V



Luminous flux luminaire
289 lm

Beam Angle: 25°

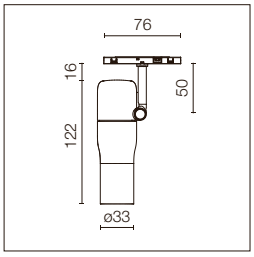
h(m)	E(lx)	D(m)
1	1498	0.45
2	375	0.89
3	166	1.34
4	94	1.79
5	60	2.23

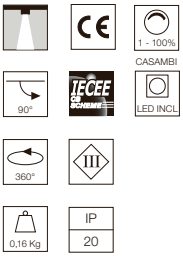
NEW

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play).

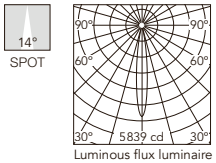
Optic Spot - 2700K

Non Dimmable

- 05.5150.40
- 05.5150.14
- 05.5150.EQ
- 05.5150.ER
- 05.5150.ES

Casambi

- 05.5150.40.CB
- 05.5150.14.CB
- 05.5150.EQ.CB
- 05.5150.ER.CB
- 05.5150.ES.CB



Luminous flux luminaire
433 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	5839	0.24
2	1460	0.48
3	649	0.72
4	365	0.95
5	234	1.19

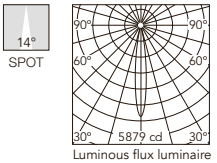
Optic Spot - 3000K

Non Dimmable

- 05.5155.40
- 05.5155.14
- 05.5155.EQ
- 05.5155.ER
- 05.5155.ES

Casambi

- 05.5155.40.CB
- 05.5155.14.CB
- 05.5155.EQ.CB
- 05.5155.ER.CB
- 05.5155.ES.CB



Luminous flux luminaire
440 lm

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	5879	0.24
2	1470	0.49
3	653	0.73
4	367	0.97
5	235	1.21

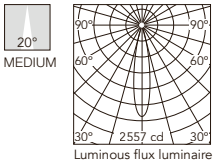
Optic Medium - 2700K

Non Dimmable

- 05.5151.40
- 05.5151.14
- 05.5151.EQ
- 05.5151.ER
- 05.5151.ES

Casambi

- 05.5151.40.CB
- 05.5151.14.CB
- 05.5151.EQ.CB
- 05.5151.ER.CB
- 05.5151.ES.CB



Luminous flux luminaire
364 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

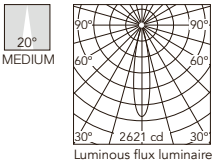
Optic Medium - 3000K

Non Dimmable

- 05.5156.40
- 05.5156.14
- 05.5156.EQ
- 05.5156.ER
- 05.5156.ES

Casambi

- 05.5156.40.CB
- 05.5156.14.CB
- 05.5156.EQ.CB
- 05.5156.ER.CB
- 05.5156.ES.CB



Luminous flux luminaire
373 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2621	0.35
2	655	0.70
3	291	1.06
4	164	1.41
5	105	1.76

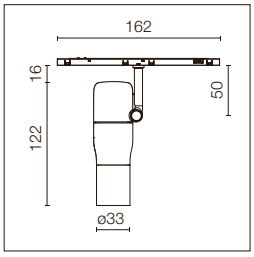
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

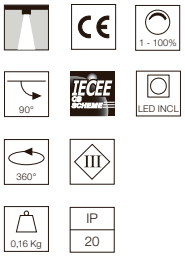
NEW

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W - 600 lm - 2700K/CRI 90 / 648 lm - 3000K/CRI 90







LED projection lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de proyección para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

Optic Spot - 2700K

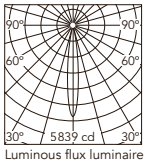
Dali

- 05.5150.40.DA
- 05.5150.14.DA
- 05.5150.EQ.DA
- 05.5150.ER.DA
- 05.5150.ES.DA

1-10V

- 05.5150.40.1V
- 05.5150.14.1V
- 05.5150.EQ.1V
- 05.5150.ER.1V
- 05.5150.ES.1V





Luminous flux luminaire
433 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5839	0.24
2	1460	0.48
3	649	0.72
4	365	0.95
5	234	1.19

Optic Spot - 3000K

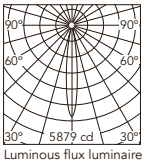
Dali

- 05.5155.40.DA
- 05.5155.14.DA
- 05.5155.EQ.DA
- 05.5155.ER.DA
- 05.5155.ES.DA

1-10V

- 05.5155.40.1V
- 05.5155.14.1V
- 05.5155.EQ.1V
- 05.5155.ER.1V
- 05.5155.ES.1V





Luminous flux luminaire
440 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5879	0.24
2	1470	0.49
3	653	0.73
4	367	0.97
5	235	1.21

Optic Medium - 2700K

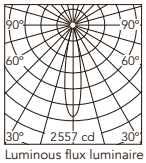
Dali

- 05.5151.40.DA
- 05.5151.14.DA
- 05.5151.EQ.DA
- 05.5151.ER.DA
- 05.5151.ES.DA

1-10V

- 05.5151.40.1V
- 05.5151.14.1V
- 05.5151.EQ.1V
- 05.5151.ER.1V
- 05.5151.ES.1V





Luminous flux luminaire
364 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

Optic Medium - 3000K

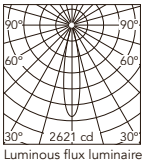
Dali

- 05.5156.40.DA
- 05.5156.14.DA
- 05.5156.EQ.DA
- 05.5156.ER.DA
- 05.5156.ES.DA

1-10V

- 05.5156.40.1V
- 05.5156.14.1V
- 05.5156.EQ.1V
- 05.5156.ER.1V
- 05.5156.ES.1V





Luminous flux luminaire
373 lm

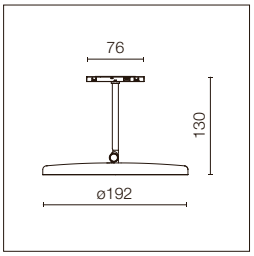
Beam Angle: 20°

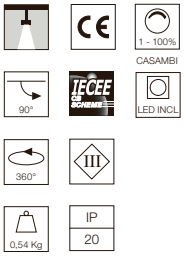
h(m)	E(lx)	D(m)
1	2621	0.35
2	655	0.70
3	291	1.06
4	164	1.41
5	105	1.76

Atom 200 Designed By Piero Lissoni

Light Source: Top LED 10,5W - 1005 lm - 2700K/CRI 90 / 1080 lm - 3000K/CRI 90







LED general lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual wireless adjustment via Casambi. Casambi control implemented via the FLOS Control® app for mobile devices (available in the Apple Store and Google Play).

Módulo de iluminación LED de luz general para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable inalámbricamente de manera individual mediante Casambi. La gestión a través de Casambi se realiza a través de la APP FLOS Control® para dispositivos móviles (disponible en Apple Store y Google Play).

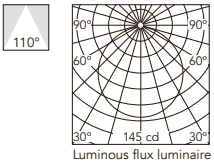
2700K

Non Dimmable

- 05.5160.40
- 05.5160.14
- 05.5160.EQ
- 05.5160.ER
- 05.5160.ES

Casambi

- 05.5160.40.CB
- 05.5160.14.CB
- 05.5160.EQ.CB
- 05.5160.ER.CB
- 05.5160.ES.CB



Luminous flux luminaire
395 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

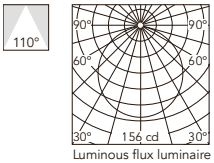
3000K

Non Dimmable

- 05.5161.40
- 05.5161.14
- 05.5161.EQ
- 05.5161.ER
- 05.5161.ES

Casambi

- 05.5161.40.CB
- 05.5161.14.CB
- 05.5161.EQ.CB
- 05.5161.ER.CB
- 05.5161.ES.CB



Luminous flux luminaire
424 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

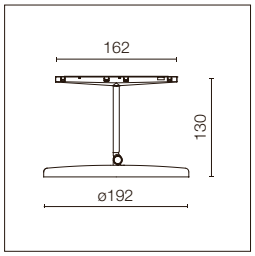
The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.
El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

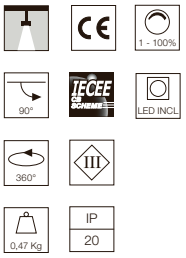
NEW

Atom 200 Designed By Piero Lissoni

Light Source: Top LED 10,5W - 1005 lm - 2700K/CRI 90 / 1080 lm - 3000K/CRI 90







LED general lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de luz general para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

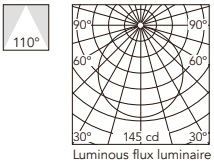
2700K

Dali

- 05.5160.40.DA
- 05.5160.14.DA
- 05.5160.EQ.DA
- 05.5160.ER.DA
- 05.5160.ES.DA

1-10V

- 05.5160.40.1V
- 05.5160.14.1V
- 05.5160.EQ.1V
- 05.5160.ER.1V
- 05.5160.ES.1V



Luminous flux luminaire
395 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

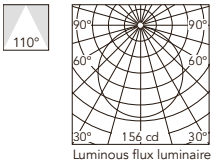
3000K

Dali

- 05.5161.40.DA
- 05.5161.14.DA
- 05.5161.EQ.DA
- 05.5161.ER.DA
- 05.5161.ES.DA

1-10V

- 05.5161.40.1V
- 05.5161.14.1V
- 05.5161.EQ.1V
- 05.5161.ER.1V
- 05.5161.ES.1V



Luminous flux luminaire
424 lm

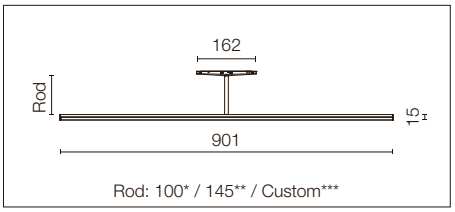
Beam Angle: 110°

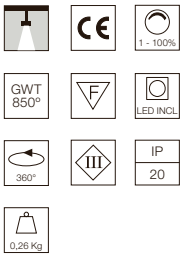
h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

Magic Stick by Jorge Herrera

Light Source: Power LED 10,5W - 1200 lm - 2700K/CRI 90 / 1200 lm - 3000K/CRI 90







LED diffuse lighting module for installation in the Zero Track Pro system. Can be adjusted by rotating from its central line. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema Zero Track Pro. Orientable por rotación desde su eje central. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

Rod 100 - 2700K

Non Dimmable

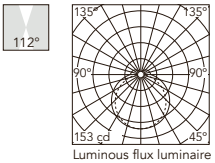
- 05.3200.40
- 05.3200.14
- 05.3200.EQ
- 05.3200.ER
- 05.3200.ES

Dali

- 05.3200.40.DA
- 05.3200.14.DA
- 05.3200.EQ.DA
- 05.3200.ER.DA
- 05.3200.ES.DA

1-10V

- 05.3200.40.1V
- 05.3200.14.1V
- 05.3200.EQ.1V
- 05.3200.ER.1V
- 05.3200.ES.1V



Luminous flux luminaire
587 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72

Rod 100 - 3000K

Non Dimmable

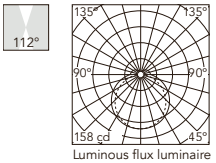
- 05.3201.40
- 05.3201.14
- 05.3201.EQ
- 05.3201.ER
- 05.3201.ES

Dali

- 05.3201.40.DA
- 05.3201.14.DA
- 05.3201.EQ.DA
- 05.3201.ER.DA
- 05.3201.ES.DA

1-10V

- 05.3201.40.1V
- 05.3201.14.1V
- 05.3201.EQ.1V
- 05.3201.ER.1V
- 05.3201.ES.1V



Luminous flux luminaire
608 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72

Rod 145 - 2700K

Non Dimmable

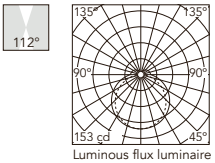
- 05.3220.40
- 05.3220.14
- 05.3220.EQ
- 05.3220.ER
- 05.3220.ES

Dali

- 05.3220.40.DA
- 05.3220.14.DA
- 05.3220.EQ.DA
- 05.3220.ER.DA
- 05.3220.ES.DA

1-10V

- 05.3220.40.1V
- 05.3220.14.1V
- 05.3220.EQ.1V
- 05.3220.ER.1V
- 05.3220.ES.1V



Luminous flux luminaire
587 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72

Rod 145 - 3000K

Non Dimmable

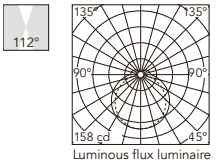
- 05.3221.40
- 05.3221.14
- 05.3221.EQ
- 05.3221.ER
- 05.3221.ES

Dali

- 05.3221.40.DA
- 05.3221.14.DA
- 05.3221.EQ.DA
- 05.3221.ER.DA
- 05.3221.ES.DA

1-10V

- 05.3221.40.1V
- 05.3221.14.1V
- 05.3221.EQ.1V
- 05.3221.ER.1V
- 05.3221.ES.1V



Luminous flux luminaire
608 lm

Beam Angle: - 112°

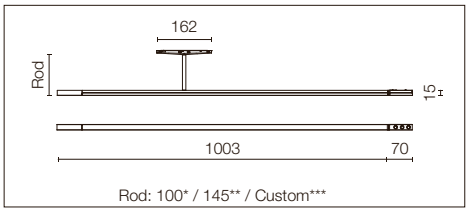
h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72

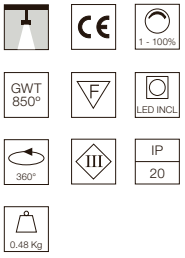
NEW

Magic Stick Asymmetric by Jorge Herrera

Light Source: Power LED 12W - 1450 lm - 2700K/CRI 90 / 1490 lm - 3000K/CRI 90







LED diffuse and accent lighting module for installation in the Zero Track Pro system. Can be adjusted by rotating from its axis located in an asymmetrical position. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

Módulo de iluminación LED, que combina luz difusa y de acento, para ser instalado en el sistema Zero Track Pro. Orientable por rotación desde su eje ubicado en posición asimétrica. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

Rod 100 - 2700K

Non Dimmable

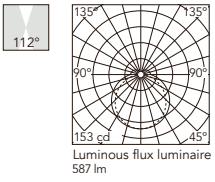
- 05.3210.40
- 05.3210.14
- 05.3210.EQ
- 05.3210.ER
- 05.3210.ES

Dali

- 05.3210.40.DA
- 05.3210.14.DA
- 05.3210.EQ.DA
- 05.3210.ER.DA
- 05.3210.ES.DA

1-10V

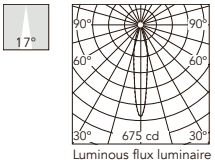
- 05.3210.40.1V
- 05.3210.14.1V
- 05.3210.EQ.1V
- 05.3210.ER.1V
- 05.3210.ES.1V



Luminous flux luminaire 587 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 136 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	675	0.29
2	169	0.59
3	75	0.88
4	42	1.18
5	27	1.47

Rod 100 - 3000K

Non Dimmable

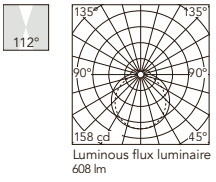
- 05.3211.40
- 05.3211.14
- 05.3211.EQ
- 05.3211.ER
- 05.3211.ES

Dali

- 05.3211.40.DA
- 05.3211.14.DA
- 05.3211.EQ.DA
- 05.3211.ER.DA
- 05.3211.ES.DA

1-10V

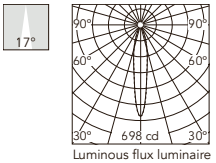
- 05.3211.40.1V
- 05.3211.14.1V
- 05.3211.EQ.1V
- 05.3211.ER.1V
- 05.3211.ES.1V



Luminous flux luminaire 608 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 140 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	698	0.29
2	174	0.59
3	78	0.88
4	44	1.18
5	28	1.47

Rod 145 - 2700K

Non Dimmable

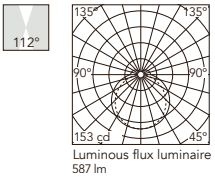
- 05.3230.40
- 05.3230.14
- 05.3230.EQ
- 05.3230.ER
- 05.3230.ES

Dali

- 05.3230.40.DA
- 05.3230.14.DA
- 05.3230.EQ.DA
- 05.3230.ER.DA
- 05.3230.ES.DA

1-10V

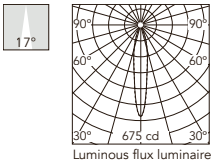
- 05.3230.40.1V
- 05.3230.14.1V
- 05.3230.EQ.1V
- 05.3230.ER.1V
- 05.3230.ES.1V



Luminous flux luminaire 587 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	153	4.34
2	38	8.69
3	17	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 136 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	675	0.29
2	169	0.59
3	75	0.88
4	42	1.18
5	27	1.47

Rod 145 - 3000K

Non Dimmable

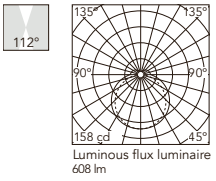
- 05.3231.40
- 05.3231.14
- 05.3231.EQ
- 05.3231.ER
- 05.3231.ES

Dali

- 05.3231.40.DA
- 05.3231.14.DA
- 05.3231.EQ.DA
- 05.3231.ER.DA
- 05.3231.ES.DA

1-10V

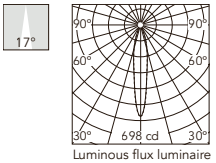
- 05.3231.40.1V
- 05.3231.14.1V
- 05.3231.EQ.1V
- 05.3231.ER.1V
- 05.3231.ES.1V



Luminous flux luminaire 608 lm

Beam Angle: - 112°

h(m)	E(lx)	D(m)
1	158	4.34
2	40	8.69
3	18	13.03
4	10	17.38
5	6	21.72



Luminous flux luminaire 140 lm

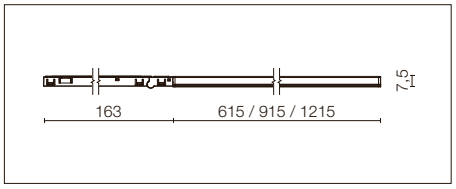
Beam Angle: 17°

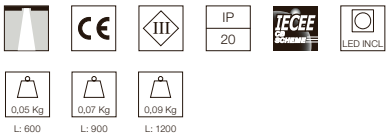
h(m)	E(lx)	D(m)
1	698	0.29
2	174	0.59
3	78	0.88
4	44	1.18
5	28	1.47

Light Stripe

Light Source: Top LED - L: 600 mm - 7W - 555 lm - 2700K/CRI 90 / 582 lm - 3000K/CRI 90
L: 900 mm - 10W - 1111 lm - 2700K/CRI 90 / 1166 lm - 3000K/CRI 90
L: 1200 mm - 13,5W - 1667 lm - 2700K/CRI 90 / 1750 lm - 3000K/CRI 90







LED diffuse lighting module for installation in the Zero Track Pro system. Electronic DC/DC converter incorporated. Individual control via DALI protocol and broadcast mode via 1-10V.

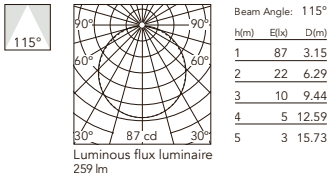
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Zero Track Pro. Convertidor electrónico DC/DC incorporado. Regulable de manera individual mediante protocolo DALI y broadcast mediante 1-10V.

L: 600 - 2700K

Non Dimmable
05.5190.14

Dali
05.5190.14.DA

1-10V
05.5190.14.1V



Luminous flux luminaire
259 lm

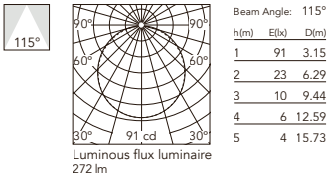
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	87	3.15
2	22	6.29
3	10	9.44
4	5	12.59
5	3	15.73

L: 600 - 3000K

Non Dimmable
05.5191.14

Dali
05.5191.14.DA

1-10V
05.5191.14.1V



Luminous flux luminaire
272 lm

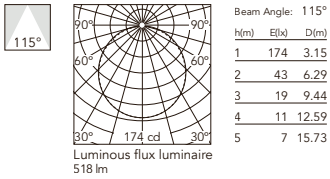
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	91	3.15
2	23	6.29
3	10	9.44
4	6	12.59
5	4	15.73

L: 900 - 2700K

Non Dimmable
05.5192.14

Dali
05.5192.14.DA

1-10V
05.5192.14.1V



Luminous flux luminaire
518 lm

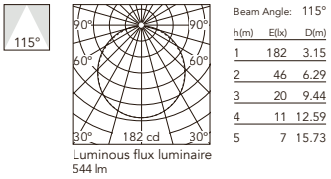
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	174	3.15
2	43	6.29
3	19	9.44
4	11	12.59
5	7	15.73

L: 900 - 3000K

Non Dimmable
05.5193.14

Dali
05.5193.14.DA

1-10V
05.5193.14.1V



Luminous flux luminaire
544 lm

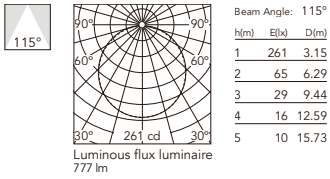
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	182	3.15
2	46	6.29
3	20	9.44
4	11	12.59
5	7	15.73

L: 1200 - 2700K

Non Dimmable
05.5194.14

Dali
05.5194.14.DA

1-10V
05.5194.14.1V



Luminous flux luminaire
777 lm

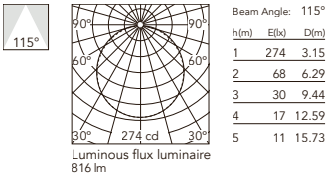
Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	261	3.15
2	65	6.29
3	29	9.44
4	16	12.59
5	10	15.73

L: 1200 - 3000K

Non Dimmable
05.5195.14

Dali
05.5195.14.DA

1-10V
05.5195.14.1V



Luminous flux luminaire
816 lm

Beam Angle: 115°		
h(m)	E(lx)	D(m)
1	274	3.15
2	68	6.29
3	30	9.44
4	17	12.59
5	11	15.73

NEW

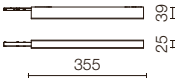
Drivers / Equipos

Surface Installation Driver

Power supply surface end.

Fuente de alimentación inicial para instalación en superficie.



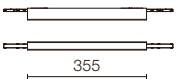


96W - 220/240V
06.2619.40
06.2619.14
06.2619.EQ
06.2619.ER
06.2619.ES

Power supply surface middle.

Fuente de alimentación intermedia para instalación en superficie.





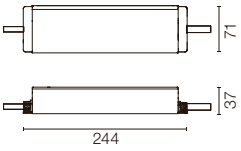
96W - 220/240V
06.2620.40
06.2620.14
06.2620.EQ
06.2620.ER
06.2620.ES

Remote Installation

LED power supply source for remote installation in 24V/200W electric control panel.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W.



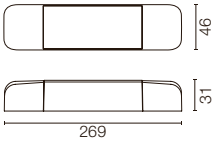


200W - 100/240V
60.9352

Power supply source with constant voltage 24V - 120W, 220-240W-50/60Hz.

Fuente de alimentación de tensión constante 24V - 120W, 220-240W-50/60Hz.



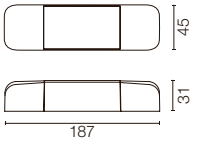


120W - 220/240V
60.9777A

Power supply source with constant voltage 24V - 60W, 220-240W-50/60Hz.

Fuente de alimentación de tensión constante 24V - 60W, 220-240W-50/60Hz.



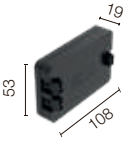


60W - 220/240V
60.9705

Control Units / Unidades de Control

Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.

Caja de control dimable 1-10V, 24/48V. Para instalación remota. Para transformar sistemas pasivos (SINK) en activos (SOURCE). Debe ubicarse entre la unidad de control y el carril. Nota importante: Máx. 25 módulos de luz.



DIM 1-10V - 24/48V
08.0613.14A

ZERO TRACK

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



Surface Profiles

- 40 White / 40 Blanco
- 06 Chrome / 06 Cromo
- 14 Black / 14 Negro
- CZ Bronce / CZ Bronze
- 18 Deep brown / 18 Deep brown

LIGHT MODULES

FIND ME 0



LIGHT SOURCE
POWER LED
3,5W
300 lm
2700K/CRI 90
325 lm
3000K/CRI 90

FIND ME 1



LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

FIND ME 2



LIGHT SOURCE
POWER LED
10,5W
650 lm
2700K/CRI 90
700 lm
3000K/CRI 90

FIND ME 1 SUSPENSION



LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

ATOM 90



LIGHT SOURCE
POWER LED
5,5W
450 lm
2700K/CRI 90
485 lm
3000K/CRI 90

ATOM 120



LIGHT SOURCE
POWER LED
8W
635 lm
2700K/CRI 90
680 lm
3000K/CRI 90

ATOM 200



LIGHT SOURCE
POWER LED
10,5W
1050 lm
2700K/CRI 90
1150 lm
3000K/CRI 90

Description
This new system of profiles for surface installation is characterized by its reduced dimensions, providing a minimalist aesthetic which is highly appreciated in various architectural spaces. For non-accessible ceilings, the system has integrated dimmable power supplies, dimmable through Casambi control systems.
The Casambi system for individual Bluetooth dimming of each light point can be managed through the FLOS Control® app powered by Casambi for mobile devices (available on the Apple Store and Google Play).
The system of extruded aluminum tracks up to 3 meters in white, black, deep brown bronze and chrome.
They are equipped with electric tracks supporting 24Vdc power supplies.

Optic system
- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Power Supply
The system can be powered by a remote power supply (not included) or by power supply equipments to be inserted in the track, which include a power supply.
The initial power connector has a space for cable insertion through both the upper and side parts. The power connector, middle power supply and 90° corners can be powered only from the back.
The maximum length of the track with the same driver is 10 meters.

Additional Information
Electrical system powered at 24Vdc and limited to a maximum current of 5A and a maximum power of 120W.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Este nuevo sistema de perfiles para su instalación en superficie se caracteriza por sus dimensiones reducidas lo que le confiere una estética minimalista muy apreciada en diversos espacios arquitectónicos. Para soluciones en techos no accesibles, el sistema dispone de fuentes de alimentación atenuables integradas, mediante sistemas de control Casambi.
El sistema Casambi para regulación individual bluetooth de cada punto de luz se realiza mediante APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
El sistema de carriles de aluminio de hasta 3m extruido en blanco, negro, deep brown, bronce y cromo.
Están dotados de pistas eléctricas para ser alimentadas a 24Vdc.

Sistema Óptico
- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Unidades de Alimentación
El sistema puede alimentarse mediante fuente de alimentación remota no incluida o con los equipos de alimentación para insertar en el carril que sí incluyen una fuente de alimentación.
El conector de alimentación inicial dispone de reserva para la entrada de los cables tanto por la parte superior como por el lateral. El conector de alimentación, el alimentador intermedio y las esquinas de 90º son alimentables solo por la parte trasera.
La longitud máxima del carril con un mismo driver es de 10 m.

Información Adicional
Sistema eléctrico alimentado a 24Vdc y limitado a una corriente máxima de 5A y 120W.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

SURFACE PROFILE







L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector



Right & Left

End cap



Intermediate Feed connector



Straight

Stopper



Intermediate connector



Feed 90° Corner



Feed Inner 90° Corner



Feed T piece



Feed Cross piece



3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation remote driver

(select the driver with the appropriate power according to the needs of your project)

Non Dimmable



60W / 100W / 120W

Casambi



60W / 100W / 120W

+



Casambi

Surface Installation Driver

Non Dimmable

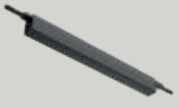
Power Supply Surface End



96W

or

Power Supply Surface Middle



96W

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Standard / Casambi Integrated (individual control)

Find Me 0





S/M

Atom 90





S/M

Find Me 1





S/M

Atom 120





S/M

Find Me 2





S/M/F

Atom 200





General Lighting

Find Me Suspension





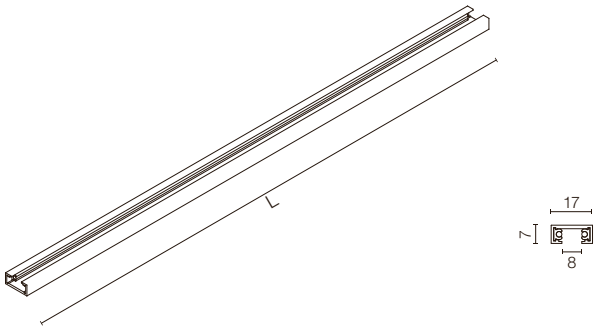
S/M

Profiles

Electro-mechanical indoor profile for surface installation (ceiling or wall). To be fixed with specific screw plugs that come with the profile. 1-meter to 3-meters lengths.
It is necessary to order the power connector, intermediate connectors and covers separately.
Feed unit connectors available as 90° flat corner and curve (symmetric element for left/right corner), ceiling/wall - wall/wall inner corner, as well as “T” and “X” shape.
For vertical installations, installing the stopper is mandatory. It must be ordered separately.

Perfiles

Perfil electromecánico de interior para su instalación en superficie (techo o pared) con fijación mediante tornillos tacos específicos servidos con el perfil. Con longitudes de 1 a 3m.
Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.
Disponibles esquinas mecánicas alimentables de 90° y curva en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquina de 90° en distinto plano (techo-pared y pared-pared interior), así como uniones en “T” y cruces.
Para instalaciones verticales es necesario instalar el tope de fijación (stopper) que se tiene que pedir por separado.



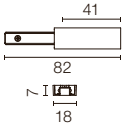
L: 1 m / 2 m / 3 m

L: 1000 mm
06.2500.40
06.2500.06
06.2500.14
06.2500.CZ
06.2500.18
L: 2000 mm
06.2501.40
06.2501.06
06.2501.14
06.2501.CZ
06.2501.18
L: 3000 mm
06.2502.40
06.2502.06
06.2502.14
06.2502.CZ
06.2502.18

Feed unit for remote power supply unit. Power cable inserting is possible both from the top and the side.

Conector de alimentación para equipo remoto. Posible entrada del cable de alimentación tanto superior como lateral.



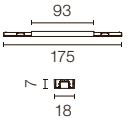


06.2540.40
06.2540.14
06.2540.CZ
06.2540.18

Feed intermediate connector. Upper feeding cable entry.

Conector de alimentación intermedio. Entrada del cable de alimentación superior.



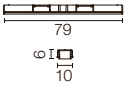


06.2541.40
06.2541.14
06.2541.CZ
06.2541.18

Intermediate connector.

Conector intermedio.



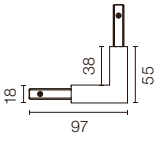


06.2506.40
06.2506.14

90° flat corner. Can be powered. It has a rear space for the supply connection.

Esquina plana 90°. Alimentable, con reserva para acometida por la parte trasera.



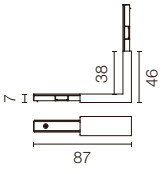


06.2542.40
06.2542.14
06.2542.CZ
06.2542.18

Ceiling/wall - wall/wall inner corner. Can be powered. It has two spaces for the supply connection located on each side at the rear.

Esquina interior techo/pared - pared/pared. Alimentable, con dos reservas para acometida por la parte trasera en cada lado.



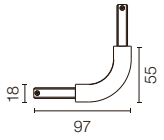


06.2543.40
06.2543.14
06.2543.CZ
06.2543.18

Interior ceiling/ceiling-wall/ wall curve. Can be powered via connections on the back.

Curva interior techo/techo - pared/pared. Alimentable, con acometida por la parte trasera.



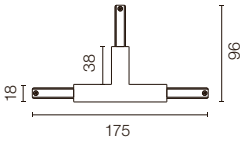


06.2544.40
06.2544.14
06.2544.CZ
06.2544.18

T-shaped connector. Can be powered via connections on the back.

Conector en forma de “T” . Alimentable, con acometida por la parte trasera.



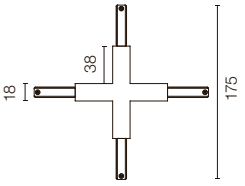


06.2545.40
06.2545.14
06.2545.CZ
06.2545.18

Cross-shaped connector. Can be powered via connections on the back.

Conector en forma de cruz . Alimentable, con acometida por la parte trasera.





06.2546.40
06.2546.14
06.2546.CZ
06.2546.18

End cap.

Terminal.





06.2509.40
06.2509.14
06.2509.CZ
06.2509.18

Stopper. For fixing luminaires in vertical track installations.

Stopper. Para fijación de luminarias en instalaciones de carril vertical.



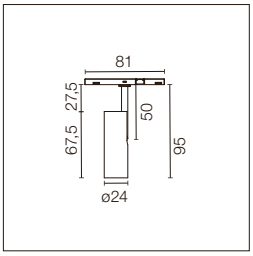


08.0630.40
08.0630.14

Find Me 0 Designed By Jorge Herrera

Light Source: Power LED 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90







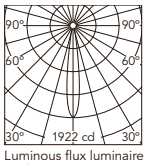
LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3801.40A
- 09.3801.06A
- 09.3801.14A
- 09.3801.CZA
- 09.3801.18A

**Casambi integrated
- 09.3901.40A
- 09.3901.06A
- 09.3901.14A
- 09.3901.CZA
- 09.3901.18A

15° SPOT



Luminous flux luminaire 169 lm

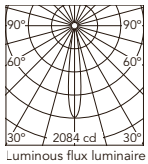
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1922	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

3000K
- 09.3800.40A
- 09.3800.06A
- 09.3800.14A
- 09.3800.CZA
- 09.3800.18A

**Casambi integrated
- 09.3900.40A
- 09.3900.06A
- 09.3900.14A
- 09.3900.CZA
- 09.3900.18A

15° SPOT



Luminous flux luminaire 183 lm

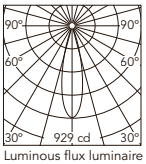
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	2084	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

2700K
- 09.3803.40A
- 09.3803.06A
- 09.3803.14A
- 09.3803.CZA
- 09.3803.18A

**Casambi integrated
- 09.3903.40A
- 09.3903.06A
- 09.3903.14A
- 09.3903.CZA
- 09.3903.18A

25° MEDIUM



Luminous flux luminaire 179 lm

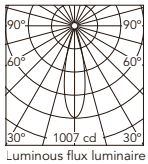
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	929	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

3000K
- 09.3802.40A
- 09.3802.06A
- 09.3802.14A
- 09.3802.CZA
- 09.3802.18A

**Casambi integrated
- 09.3902.40A
- 09.3902.06A
- 09.3902.14A
- 09.3902.CZA
- 09.3902.18A

25° MEDIUM



Luminous flux luminaire 194 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

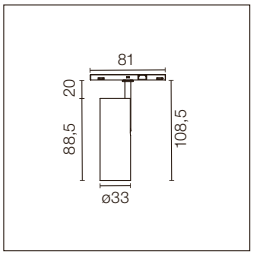
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 1 Designed By Jorge Herrera

Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90







LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

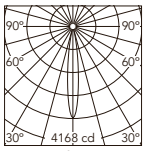
2700K

- 09.3812.40A
- 09.3812.06A
- 09.3812.14A
- 09.3812.CZA
- 09.3812.18A

**Casambi integrated

- 09.3912.40A
- 09.3912.06A
- 09.3912.14A
- 09.3912.CZA
- 09.3912.18A

14° SPOT



Luminous flux luminaire
309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

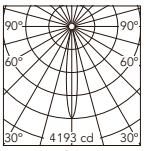
3000K

- 09.3810.40A
- 09.3810.06A
- 09.3810.14A
- 09.3810.CZA
- 09.3810.18A

**Casambi integrated

- 09.3910.40A
- 09.3910.06A
- 09.3910.14A
- 09.3910.CZA
- 09.3910.18A

14° SPOT



Luminous flux luminaire
314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

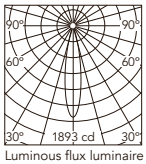
2700K

- 09.3813.40A
- 09.3813.06A
- 09.3813.14A
- 09.3813.CZA
- 09.3813.18A

**Casambi integrated

- 09.3913.40A
- 09.3913.06A
- 09.3913.14A
- 09.3913.CZA
- 09.3913.18A

20° MEDIUM



Luminous flux luminaire
284 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

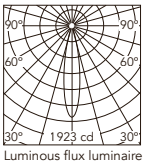
3000K

- 09.3811.40A
- 09.3811.06A
- 09.3811.14A
- 09.3811.CZA
- 09.3811.18A

**Casambi integrated

- 09.3911.40A
- 09.3911.06A
- 09.3911.14A
- 09.3911.CZA
- 09.3911.18A

20° MEDIUM



Luminous flux luminaire
289 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1923	0.35
2	481	0.70
3	214	1.06
4	120	1.41
5	77	1.76

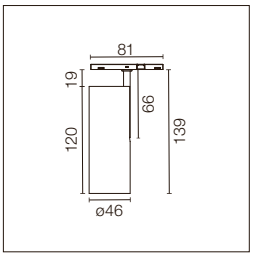
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

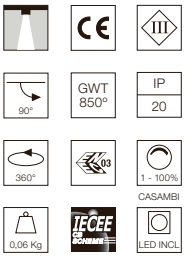
** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 2 Designed By Jorge Herrera

Light Source: Power LED 10,5W* - 650 lm - 2700K/CRI90 / 10,5W* - 700 lm - 3000K/CRI90







LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

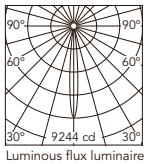
2700K

- 09.3862.40A
- 09.3862.06A*
- 09.3862.14A
- 09.3862.CZA
- 09.3862.18A

**Casambi integrated

- 09.3962.40A
- 09.3962.06A*
- 09.3962.14A
- 09.3962.CZA
- 09.3962.18A

10° SPOT



Luminous flux luminaire 479 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	9244	0.18
2	2311	0.35
3	1027	0.53
4	578	0.70
5	370	0.88

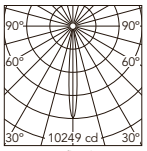
3000K

- 09.3860.40A
- 09.3860.06A*
- 09.3860.14A
- 09.3860.CZA
- 09.3860.18A

**Casambi integrated

- 09.3960.40A
- 09.3960.06A*
- 09.3960.14A
- 09.3960.CZA
- 09.3960.18A

10° SPOT



Luminous flux luminaire 531 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10249	0.18
2	2562	0.35
3	1139	0.53
4	641	0.70
5	410	0.88

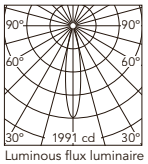
2700K

- 09.3863.40A
- 09.3863.06A*
- 09.3863.14A
- 09.3863.CZA
- 09.3863.18A

**Casambi integrated

- 09.3963.40A
- 09.3963.06A*
- 09.3963.14A
- 09.3963.CZA
- 09.3963.18A

19° MEDIUM



Luminous flux luminaire 441 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1991	0.34
2	498	0.67
3	221	1.01
4	124	1.34
5	80	1.68

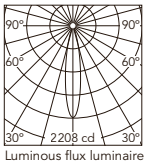
3000K

- 09.3861.40A
- 09.3861.06A*
- 09.3861.14A
- 09.3861.CZA
- 09.3861.18A

**Casambi integrated

- 09.3961.40A
- 09.3961.06A*
- 09.3961.14A
- 09.3961.CZA
- 09.3961.18A

19° MEDIUM



Luminous flux luminaire 489 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2208	0.34
2	552	0.67
3	245	1.01
4	138	1.34
5	88	1.68

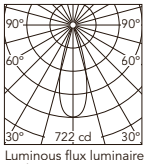
2700K

- 09.3865.40A
- 09.3865.06A*
- 09.3865.14A
- 09.3865.CZA
- 09.3865.18A

**Casambi integrated

- 09.3965.40A
- 09.3965.06A*
- 09.3965.14A
- 09.3965.CZA
- 09.3965.18A

32° FLOOD



Luminous flux luminaire 364 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	722	0.57
2	180	1.15
3	80	1.72
4	45	2.29
5	29	2.87

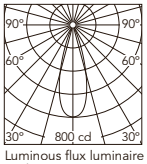
3000K

- 09.3864.40A
- 09.3864.06A*
- 09.3864.14A
- 09.3864.CZA
- 09.3864.18A

**Casambi integrated

- 09.3964.40A
- 09.3964.06A*
- 09.3964.14A
- 09.3964.CZA
- 09.3964.18A

32° FLOOD



Luminous flux luminaire 404 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	800	0.57
2	200	1.15
3	89	1.72
4	50	2.29
5	32	2.87

* For chrome finishes their power is 8W / Para el decorado cromo la potencia es 8W.

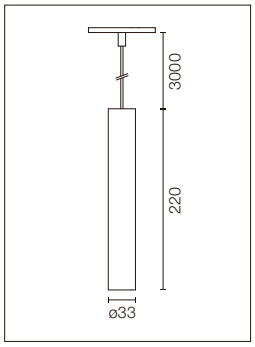
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

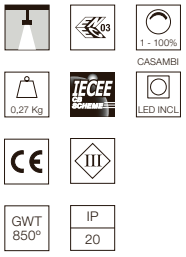
** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 1 Suspension Designed By Jorge Herrera

Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90







LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Not suitable for vertical installations.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
No se puede instalar en carriles verticales.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

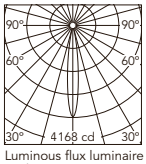
2700K

- 09.3822.40A
- 09.3822.06A
- 09.3822.14A
- 09.3822.CZA
- 09.3822.18A

**Casambi integrated

- 09.3922.40A
- 09.3922.06A
- 09.3922.14A
- 09.3922.CZA
- 09.3922.18A

14° SPOT



Luminous flux luminaire 309 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

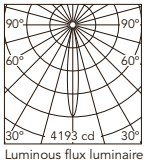
3000K

- 09.3820.40A
- 09.3820.06A
- 09.3820.14A
- 09.3820.CZA
- 09.3820.18A

**Casambi integrated

- 09.3920.40A
- 09.3920.06A
- 09.3920.14A
- 09.3920.CZA
- 09.3920.18A

14° SPOT



Luminous flux luminaire 314 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

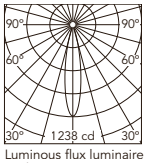
2700K

- 09.3823.40A
- 09.3823.06A
- 09.3823.14A
- 09.3823.CZA
- 09.3823.18A

**Casambi integrated

- 09.3923.40A
- 09.3923.06A
- 09.3923.14A
- 09.3923.CZA
- 09.3923.18A

20° MEDIUM



Luminous flux luminaire 186 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1238	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

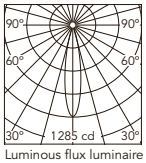
3000K

- 09.3821.40A
- 09.3821.06A
- 09.3821.14A
- 09.3821.CZA
- 09.3821.18A

**Casambi integrated

- 09.3921.40A
- 09.3921.06A
- 09.3921.14A
- 09.3921.CZA
- 09.3921.18A

20° MEDIUM



Luminous flux luminaire 193 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1285	0.35
2	321	0.70
3	143	1.06
4	80	1.41
5	51	1.76

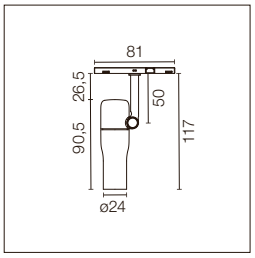
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

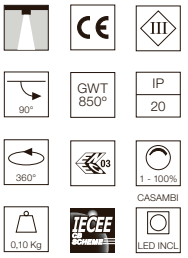
** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Atom 90 Designed By Piero Lissoni

Light Source: Power LED 5,5W* - 450 lm - 2700K/CRI 90 / 5,5W* - 485 lm - 3000K/CRI 90







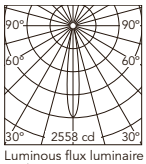
LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3831.40A
- 09.3831.06A*
- 09.3831.14A
- 09.3831.CZA
- 09.3831.18A

**Casambi integrated
- 09.3931.40A
- 09.3931.06A*
- 09.3931.14A
- 09.3931.CZA
- 09.3931.18A

14° SPOT



Luminous flux luminaire 224 lm

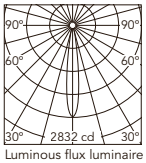
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2558	0.25
2	640	0.51
3	284	0.76
4	160	1.02
5	102	1.27

3000K
- 09.3830.40A
- 09.3830.06A*
- 09.3830.14A
- 09.3830.CZA
- 09.3830.18A

**Casambi integrated
- 09.3930.40A
- 09.3930.06A*
- 09.3930.14A
- 09.3930.CZA
- 09.3930.18A

14° SPOT



Luminous flux luminaire 247 lm

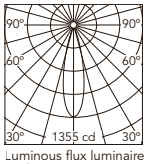
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	2832	0.25
2	708	0.51
3	315	0.76
4	177	1.02
5	113	1.27

2700K
- 09.3833.40A
- 09.3833.06A*
- 09.3833.14A
- 09.3833.CZA
- 09.3833.18A

**Casambi integrated
- 09.3933.40A
- 09.3933.06A*
- 09.3933.14A
- 09.3933.CZA
- 09.3933.18A

25° MEDIUM



Luminous flux luminaire 261 lm

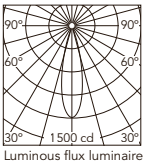
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1355	0.45
2	339	0.89
3	151	1.34
4	85	1.79
5	54	2.23

3000K
- 09.3832.40A
- 09.3832.06A*
- 09.3832.14A
- 09.3832.CZA
- 09.3832.18A

**Casambi integrated
- 09.3932.40A
- 09.3932.06A*
- 09.3932.14A
- 09.3932.CZA
- 09.3932.18A

25° MEDIUM



Luminous flux luminaire 289 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1500	0.45
2	375	0.89
3	167	1.34
4	94	1.79
5	60	2.23

* For chrome finishes their power is 4.7W / Para el decorado cromo la potencia es 4.7W.

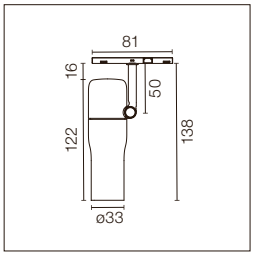
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

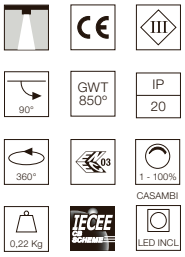
** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W* - 635 lm - 2700K/CRI 90 / 8W* - 680 lm - 3000K/CRI 90







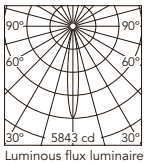
LED accent lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
- 09.3841.40A
- 09.3841.06A*
- 09.3841.14A
- 09.3841.CZA
- 09.3841.18A

**Casambi integrated
- 09.3941.40A
- 09.3941.06A*
- 09.3941.14A
- 09.3941.CZA
- 09.3941.18A

14° SPOT



Luminous flux luminaire 433 lm

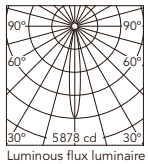
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5843	0.24
2	1461	0.48
3	649	0.72
4	365	0.95
5	234	1.19

3000K
- 09.3840.40A
- 09.3840.06A*
- 09.3840.14A
- 09.3840.CZA
- 09.3840.18A

**Casambi integrated
- 09.3940.40A
- 09.3940.06A*
- 09.3940.14A
- 09.3940.CZA
- 09.3940.18A

14° SPOT



Luminous flux luminaire 440 lm

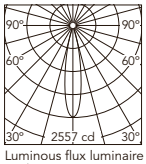
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5878	0.24
2	1469	0.49
3	653	0.73
4	367	0.97
5	235	1.21

2700K
- 09.3843.40A
- 09.3843.06A*
- 09.3843.14A
- 09.3843.CZA
- 09.3843.18A

**Casambi integrated
- 09.3943.40A
- 09.3943.06A*
- 09.3943.14A
- 09.3943.CZA
- 09.3943.18A

20° MEDIUM



Luminous flux luminaire 364 lm

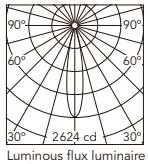
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

3000K
- 09.3842.40A
- 09.3842.06A*
- 09.3842.14A
- 09.3842.CZA
- 09.3842.18A

**Casambi integrated
- 09.3942.40A
- 09.3942.06A*
- 09.3942.14A
- 09.3942.CZA
- 09.3942.18A

20° MEDIUM



Luminous flux luminaire 373 lm

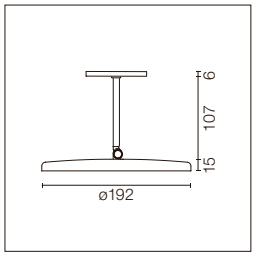
Beam Angle: 20°

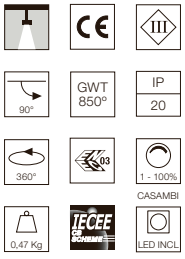
h(m)	E(lx)	D(m)
1	2624	0.35
2	656	0.70
3	292	1.06
4	164	1.41
5	105	1.76

Atom 200 Designed By Piero Lissoni

Light Source: Power LED 10,5W - 1050 lm - 2700K/CRI 90 / 10,5W - 1150 lm - 3000K/CRI 90







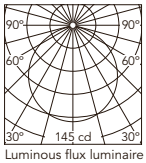
LED general lighting module to be installed in the Zero Track system.
Incorporated DC/DC electronic converter.
To individually control the lights, select integrated Casambi versions.
Not suitable for vertical installations.

Módulo de iluminación LED general para ser instalado en el sistema Zero Track.
Convertidor electrónico DC/DC incorporado.
Para el control individual de las luminarias seleccionar versiones Casambi integrated.
No se puede instalar en carriles verticales.

2700K
- 09.3851.40
- 09.3851.06
- 09.3851.14
- 09.3851.CZ
- 09.3851.18

**Casambi integrated
- 09.3951.40
- 09.3951.06
- 09.3951.14
- 09.3951.CZ
- 09.3951.18

110°



Luminous flux luminaire 395 lm

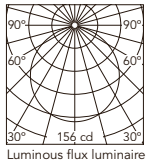
Beam Angle: 110°

h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

3000K
- 09.3850.40
- 09.3850.06
- 09.3850.14
- 09.3850.CZ
- 09.3850.18

**Casambi integrated
- 09.3950.40
- 09.3950.06
- 09.3950.14
- 09.3950.CZ
- 09.3950.18

110°



Luminous flux luminaire 424 lm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

* For chrome finishes their power is 6W / Para el decorado cromo la potencia es 6W.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

** El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

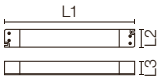
Drivers / Equipos

Remote Installation

Remote power supply.
Non Dimmable. 220/240V.

Fuente de alimentación remota.
No Dimable. 220/240V.





120W - 220/240V
L1: 300 - L2: 40 - L3: 30
60.9516

120W - 220/240V
L1: 268 - L2: 45 - L3: 31
60.9777A

100W - 220/240V
L1: 295 - L2: 43 - L3: 30
60.9443

60W - 220/240V
L1: 180 - L2: 52 - L3: 30
60.9515

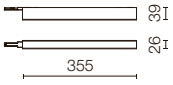
60W - 220/240V
L1: 225 - L2: 43 - L3: 30
60.9374

Surface Installation Driver

Power supply surface end. Non Dimmable.

Fuente de alimentación inicial para instalación en superficie. No Dimable.



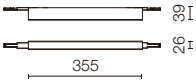


96W
06.2510.40A
06.2510.06A
06.2510.14A
06.2510.CZA
06.2510.18A

Power supply surface middle. Non Dimmable.

Fuente de alimentación intermedia para instalación en superficie. No Dimable.



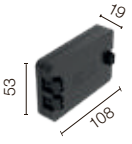


96W
06.2511.40A
06.2511.06A
06.2511.14A
06.2511.CZA
06.2511.18A

Control Units / Unidades de Control

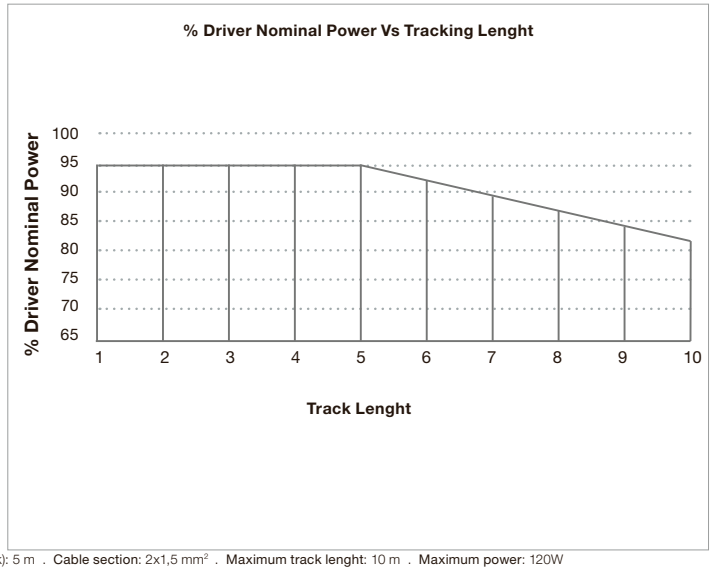
Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.



DIM 1-10V >> Casambi
08.0824.14

Track Lenght (m)	% Driver Nominal Power
1	95
2	95
3	95
4	95
5	95
6	93
7	91
8	89
9	87
10	85

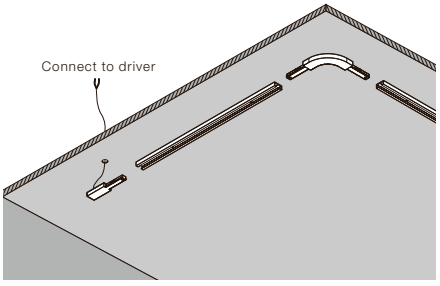


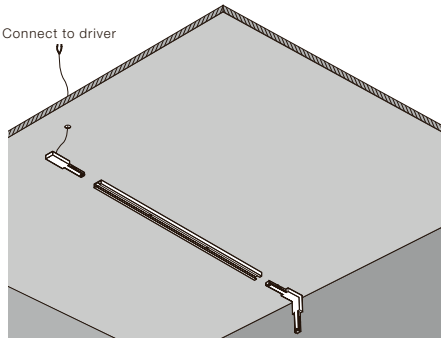
Example:
Ref. 60.9361: 57W / 4 m track
57W x 0,95 = 54,15W available

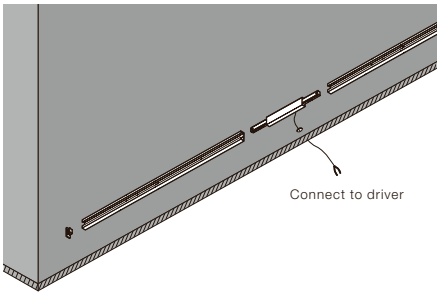
	W luminary	Nº luminaries	W luminaries
Find Me 0	3,5	3	10,5
Find Me 1	5,5	0	0
Find Me 2	10,5	0	0
Atom 90	5,5	3	16,5
Atom 120	8	2	16
Atom 200	10,5	1	10,5
	Total system power: 53,5W		

Maximum cable lenght: (driver to track): 5 m . **Cable section:** 2x1,5 mm² . **Maximum track lenght:** 10 m . **Maximum power:** 120W

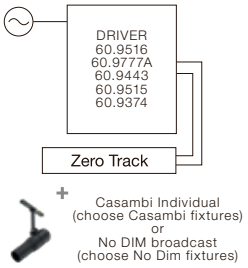
Remote Driver Installations







Individual Casambi / No DIM



FLOS
CONTROL BY CASAMBI

RECESSED

SURFACE



Recessed Profiles ■ 14 Black
14 Negro

Surface Profiles □ 40 White
40 Blanco ■ 14 Black
14 Negro

Description
Innovative program of ultra-miniaturized structures in recessed and surface versions. Compatible with a wide range of professional lighting solutions by means of magnetic fixing. The Micro Running Magnet is the ultimate solution for exhibition lighting. A complete and professional program that, in addition to its reduced dimensions, provides a balanced and attractive light to highlight each object in the best way and in 360º.
The quintessence of integrated light obtained thanks to a profile of only 5 mm that allows the total integration of micro-devices designed to be combined with the structure until they disappear almost completely.
The incredibly small profile size that characterizes the program enhances the light's flexibility and its relationship with the architecture. The light¬ing bodies are installed by means of a magnetic support inside the profile, providing an unparalleled ease of use.
Magnetic fixing of the luminaries, which allows hot handling. The lighting bodies can be orientated when they are still on, achieving enormous flexibility and adaptability in the configuration at any time.
The profile of all The Micro Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaries are installed simply by insertion.
Complete range of micro-projectors available in various powers and sizes. They all include professional acrylic stabilized micro-lenses for a maximum control of lighting effects.

Control
- DALI: broadcasting remote control (dimming of all the luminaires in a single group).
- 1/10V: broadcasting remote control (dimming of all the luminaires in a single group).
- Casambi: individual and broadcast control through a tablet or smartphone application (FLOS Control®).
App needed for mobile devices (available in Apple Store y Google Play).

Optic system
The accent light modules are available with intensive optics (spot lens) and extensive optics (medium, flood and wide flood lens).
Linear lighting modules with direct diffused or wall-washer light emission, available in different lengths from 300mm up to 1200mm.

Power Supply
Remote 24V power supply not included.

Additional Information
The Micro Running Magnet is a 24V electrical system limited to a maximum power current of 5A and 120W to avoid overloads. After every 120W make a new connection with a feed unit profile.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.
For Recessed version, installation on 12.5 mm-thick plasterboard surfaces is recommended. PWM Voltage output dimmable drivers shall be used at. Frequencies between 250 and 500 Hz.
In few cases, depending on the installation, the broadcast dimming can produce an audible buzz.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and anysubsequent additions.

Descripción
Innovador programa de estructuras ultra miniaturizadas en versión empotrada y de superficie. Compatible con una amplia gama de soluciones de iluminación profesional mediante fijación magnética.
The Micro Running Magnet es la solución definitiva para la iluminación de exposiciones. Un programa completo y profesional que además de dimensiones reducidas proporciona una luz equilibrada y atractiva para resaltar cada objeto de la mejor manera en 360º.
La quinta esencia de la luz integrada, obtenida gracias a un perfil de solo 5 mm que permite la integración total de micro dispositivos diseñados para combinarse con la estructura hasta casi desaparecer.
El increíble tamaño reducido del perfil que caracteriza el programa realza la flexibilidad de la luz y su relación con la arquitectura.
La instalación de los cuerpos iluminantes se realiza mediante un soporte magnético dentro del perfil para una facilidad de uso sin igual.
Fijación magnética de las luminarias, lo que permite su manipulación en caliente. Los cuerpos iluminantes se pueden orientar estando encendidos, consiguiendo así una gran flexibilidad y adaptabilidad de la configuración en cualquier momento.
Todos los perfiles estructurales de Micro Running Magnet han sido fabricados con perfilería de aluminio extruido en blanco y negro, provisto de pistas eléctricas alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.
Gama completa de micro proyectores disponibles en varias potencias y tamaños. Todos incluyen micro lentes profesionales estabilizadas en acrílico para un control máximo de los efectos de iluminación.

Control
- DALI: control broadcast, todas las luminarias a la vez.
- 1/10V: control remoto en broadcasting (dimado de todas las luminarias en grupo).
- Casambi: control individual y broadcast a través de una aplicación para tablet o smartphone (FLOS Control®).
Necesaria app para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico
Los módulos de luz de acento se encuentran disponibles con óptica intensiva (spot lens) y con ópticas extensivas (medium, flood y wide flood).
Módulos de iluminación lineal de entre 300mm y hasta 1200mm en versiones de luz directa para iluminación general y bañador de pared.

Unidades de Alimentación
Fuente de alimentación remota de 24V no incluida.

Información Adicional
The Micro Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 5A y 120W para evitar sobrecargas. Cada vez que completemos los 120W deberemos realizar nuevamente la conexión mediante un perfil de alimentación.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.
Se recomienda su instalación en superficies de cartón yeso de 12,5mm de espesor para la versión Recessed. Deben utilizarse drivers regulables con tensión de salida PWM en frecuencias de entre 250 y 500 Hz.
En algunos casos, dependiendo de la instalación, la regulación broadcast puede producir un zumbido.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

THE MICRO RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

LIGHT MODULES

NANO SPOT



LIGHT SOURCE
POWER LED
2W
165 lm
2700K/CRI 90
170 lm
3000K/CRI 90
185 lm
4000K/CRI 90
200 lm
5000K/CRI 90

MICRO SPOT



LIGHT SOURCE
POWER LED
3W
275 lm
2700K/CRI 90
295 lm
3000K/CRI 90
315 lm
4000K/CRI 90
335 lm
5000K/CRI 90

SPOT



LIGHT SOURCE
POWER LED
6W
545 lm
2700K/CRI 90
585 lm
3000K/CRI 90
625 lm
4000K/CRI 90
665 lm
5000K/CRI 90

LIGHT SHADOW SPOT Ø30



LIGHT SOURCE
POWER LED
3W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90
300 lm
4000K/CRI 90
320 lm
5000K/CRI 90

FIND ME 0



LIGHT SOURCE
POWER LED
3,5W
249 lm
2700K/CRI 90
270 lm
3000K/CRI 90

FIND ME 1



LIGHT SOURCE
POWER LED
5,5W
446 lm
2700K/CRI 90
463 lm
3000K/CRI 90

LIGHT STRIPE DIFFUSED



LIGHT STRIPE WALL-WASHER



LIGHT SOURCE
TOP LED
15W/m
1440 lm/m
2700K/CRI 90
1550 lm/m
3000K/CRI 90
1660 lm
4000K/CRI 90
1775 lm
5000K/CRI 90

Recessed Profile

14 Black
14 Negro



Surface Profile

40 White
40 Blanco



14 Black
14 Negro



Spots & Light Shadow Spot Ø30

40 White
40 Blanco



14 Black
14 Negro



EQ Brushed Copper*
EQ Cobre Cepillado*



ER Brushed Steel*
ER Acero Cepillado*



ES Brushed Bronze*
ES Bronce Cepillado*



*On Demand - Metallic Colours

Find Me

40 White
40 Blanco



14 Black
14 Negro



Light Stripes

14 Black
14 Negro



HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

SURFACE PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector



Intermediate connector



Straight

End cap



90º Corner



Electrical / Mechanical joint

Inner corner



Electrical / Mechanical joint

Feed connector



Intermediate connector



Straight

End cap



90º Corner



Electrical / Mechanical

Inner corner



Electrical / Mechanical

3 SELECT POWER SUPPLY

Installation remote driver

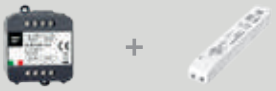
(select the driver with the appropriate power according to the needs of your project)

Non Dimmable / Casambi Individual



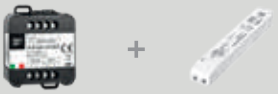
60W / 100W / 120W

0/1-10V · Push broadcast



Dimmer + 60W / 100W / 120W

DALI · Push broadcast



Dimmer + 60W / 100W / 120W

Casambi broadcast



Dimmer + 60W / 100W / 120W + No DIM

4 SELECT A LIGHT MODULE

No DIM / Broadcast DIM

Light Stripe Diffused



L: 300 mm / 600 mm / 900 mm / 1200 mm

General lighting

Light Stripe Wall-Washer



L: 300 mm / 600 mm / 900 mm / 1200 mm



Wall-Washer

Nano Spot





M/F

Micro Spot





S/M/F

Spot





S/M

Light Shadow Spot Ø30





S/M/F/WF

*On Demand - Metallic Colours

Casambi Individual DIM

Find Me 0





S/M

Find Me 1





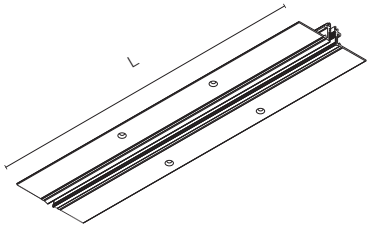
S/M

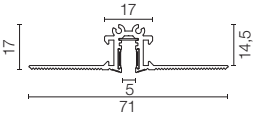
Profiles

Electromechanical profile of reduced size for recessed installation in plasterboard ceilings/walls with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).

Perfiles

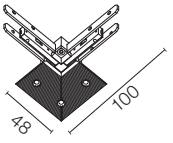
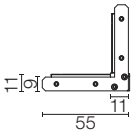
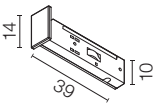
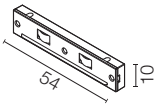
Perfil electro-mecánico de dimensiones mínimas para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).





L: 1000 mm
06.6000.14
L: 1500 mm
06.6001.14
L: 2000 mm
06.6002.14
L: 2500 mm
06.6003.14
L: 3000 mm
06.6004.14

L: 1 m / 1,5 m / 2m / 2,5m / 3 m

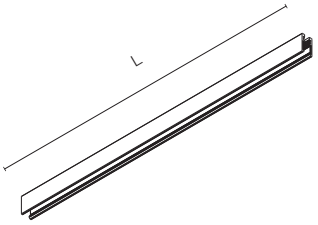
90° Corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina 90°. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6030.14
Inner corner. Electrical/mechanical connection. Non-feedable. Luminaires cannot be located on corners.	Esquina interior. Conexión eléctrica/mecánica. No alimentable. No se pueden ubicar luminarias en las esquinas.			06.6032.14
Feed connector. 2m cable included. Electrical connection. Luminaires cannot be located in the connector.	Conector de alimentación. Cable de 2m incluido. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6034.14
Intermediate connector. Electrical connection. Luminaires cannot be located in the connector.	Conector intermedio. Conexión eléctrica. No se pueden ubicar luminarias en el conector.			06.6035.14
End cap. 1 unit kit.	Tapa. Kit de 1 unidad.			06.6036.14

Profiles

Electromechanical profile of reduced size for installation on surfaces (ceiling or wall) with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).
The inner part of the profile is always supplied in black.

Perfiles

Perfil electro-mecánico de dimensiones mínimas para instalaciones en superficie (techo o pared) con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
La parte interior del perfil se suministra siempre en negro.





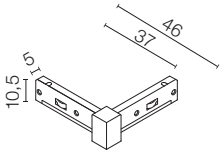
L: 1 m / 1,5 m / 2m / 2,5m / 3 m

L: 1000 mm
06.6010.40
06.6010.14
L: 1500 mm
06.6011.40
06.6011.14
L: 2000 mm
06.6012.40
06.6012.14
L: 2500 mm
06.6013.40
06.6013.14
L: 3000 mm
06.6014.40
06.6014.14

90° Corner.
Electrical/mechanical connection.
Non-feedable. Luminaires cannot be located on corners.

Esquina 90°.
Conexión eléctrica/mecánica.
No alimentable. No se pueden ubicar luminarias en las esquinas.



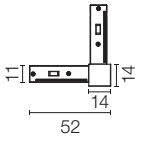


06.6031.40
06.6031.14

Inner corner.
Electrical/mechanical connection.
Non-feedable. Luminaires cannot be located on corners.

Esquina interior.
Conexión eléctrica/mecánica.
No alimentable. No se pueden ubicar luminarias en las esquinas.



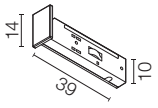


06.6033.40
06.6033.14

Feed connector.
2m cable included.
Electrical connection. Luminaires cannot be located in the connector.

Conector de alimentación.
Cable de 2m incluido.
Conexión eléctrica. No se pueden ubicar luminarias en el conector.



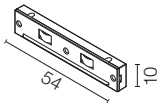


06.6034.40
06.6034.14

Intermediate connector.
Electrical connection. Luminaires cannot be located in the connector.

Conector intermedio.
Conexión eléctrica. No se pueden ubicar luminarias en el conector.





06.6035.14

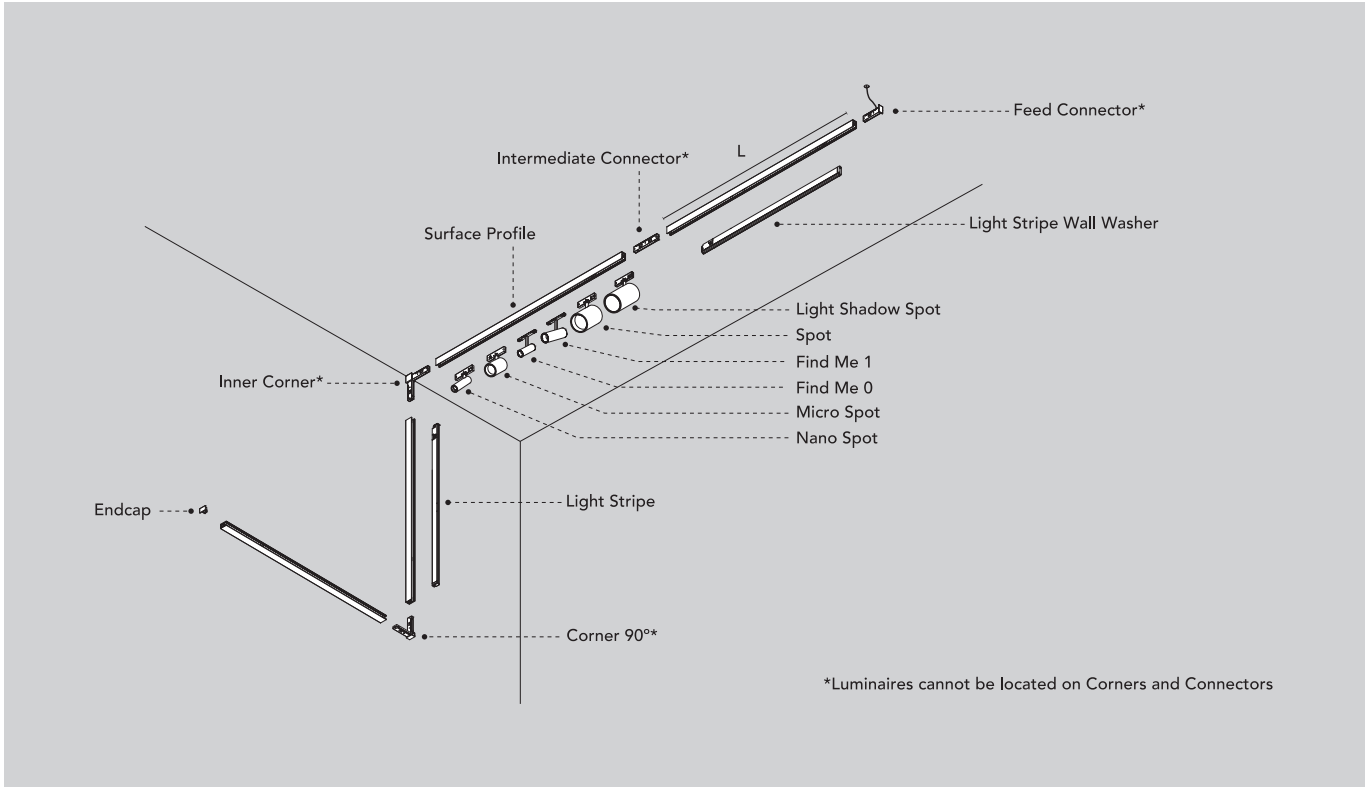
End cap. 1 unit kit.

Tapa. Kit de 1 unidad.

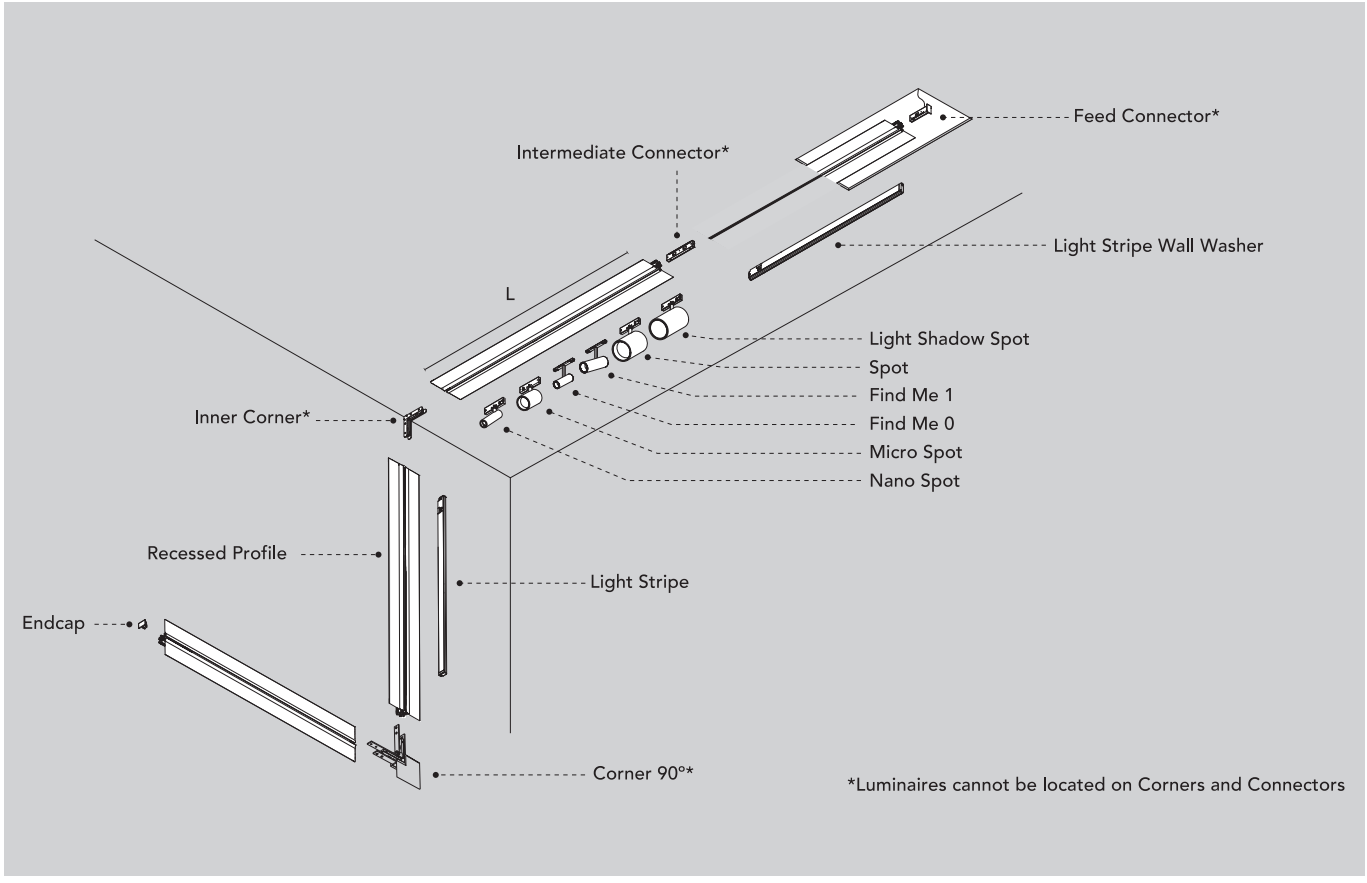


06.6036.40
06.6036.14

SURFACE INSTALLATION

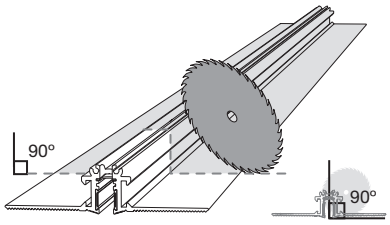


RECESSED INSTALLATION



• Can I cut the profiles?
Yes. The profiles can be cut at any point and the electrical connection continued using the intermediate connector.

• ¿Puedo cortar los perfiles?
Sí, los perfiles se pueden cortar en cualquier punto y se continúa la conexión eléctrica con el conector intermedio.



• Can I place a spotlight in the corners or between two profiles?
No, the corner pieces have no free space for luminaires, the corner and the joints between profiles contain the electrical connections as intermediate connectors.

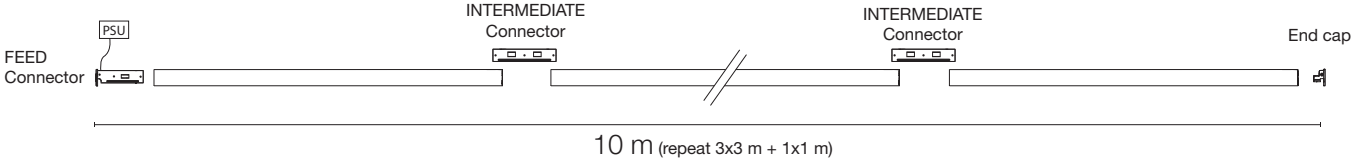
• ¿Puedo ubicar un foco en las esquinas o entre dos perfiles?
No, las piezas de las esquinas no tienen hueco libre para albergar las luminarias, la esquina y las uniones entre perfiles contienen las conexiones eléctricas a modo de conectores intermedios.

• Can I dim the luminaires individually?
No. By using the recommended equipment, they can be adjusted, but all at once.

• ¿Puedo atenuar la luz de las luminarias individualmente?
No, utilizando los equipos recomendados es posible regular, pero siempre se regularán todas las luminarias a la vez.

• What is the maximum length that can be powered with one power supply on a structure?
The maximum length of a profile that can be powered with one power source is 10 metres.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es de 10 metros.



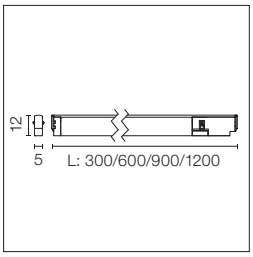
• Can I power a structure from a corner or intermediate connector?
No. The corners and intermediate connector of this system cannot be powered.

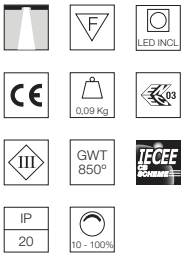
• ¿Puedo alimentar una estructura desde una esquina o conector intermedio?
No, las esquinas y el conector intermedio de este sistema no son alimentables.

Light Stripe Diffused

Light Source: Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90



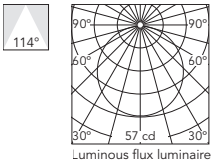




Diffused LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

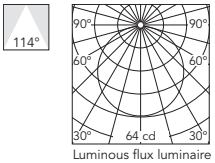
2700K
L: 300 mm - 4,5W
03.2260.14



Luminous flux luminaire 205 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	57	3.11
2	14	6.21
3	6	9.32
4	4	12.43
5	2	15.53

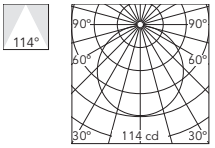
3000K
L: 300 mm - 4,5W
03.2261.14



Luminous flux luminaire 230 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	64	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

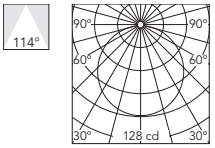
2700K
L: 600 mm - 9W
03.2264.14



Luminous flux luminaire 411 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	114	3.11
2	29	6.21
3	13	9.32
4	7	12.43
5	5	15.53

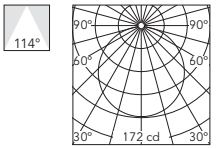
3000K
L: 600 mm - 9W
03.2265.14



Luminous flux luminaire 460 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	128	3.11
2	32	6.21
3	14	9.32
4	8	12.43
5	5	15.53

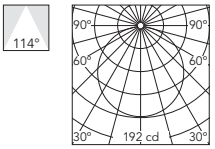
2700K
L: 900 mm - 13,5W
03.2268.14



Luminous flux luminaire 616 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	172	3.11
2	43	6.21
3	19	9.32
4	11	12.43
5	7	15.53

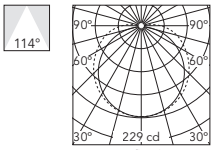
3000K
L: 900 mm - 13,5W
03.2269.14



Luminous flux luminaire 689 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	192	3.11
2	48	6.21
3	21	9.32
4	12	12.43
5	8	15.53

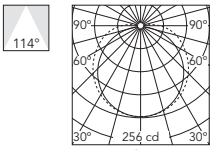
2700K
L: 1200 mm - 18W
03.2272.14



Luminous flux luminaire 821 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	229	3.11
2	57	6.21
3	25	9.32
4	14	12.43
5	9	15.53

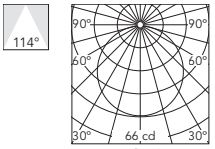
3000K
L: 1200 mm - 18W
03.2273.14



Luminous flux luminaire 919 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	256	3.11
2	64	6.21
3	28	9.32
4	16	12.43
5	10	15.53

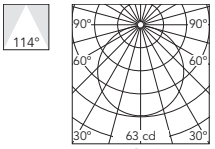
4000K
L: 300 mm - 4,5W
03.2262.14



Luminous flux luminaire 237 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	66	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

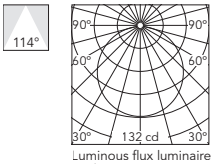
5000K
L: 300 mm - 4,5W
03.2263.14



Luminous flux luminaire 226 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	63	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

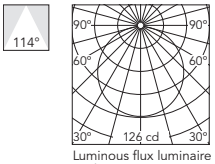
4000K
L: 600 mm - 9W
03.2266.14



Luminous flux luminaire 473 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	132	3.11
2	33	6.21
3	15	9.32
4	8	12.43
5	5	15.53

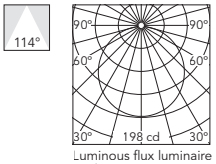
5000K
L: 600 mm - 9W
03.2267.14



Luminous flux luminaire 452 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	126	3.11
2	31	6.21
3	14	9.32
4	8	12.43
5	5	15.53

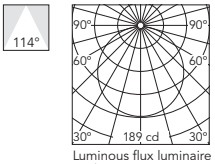
4000K
L: 900 mm - 13,5W
03.2270.14



Luminous flux luminaire 710 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	198	3.11
2	49	6.21
3	22	9.32
4	12	12.43
5	8	15.53

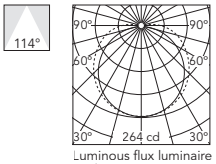
5000K
L: 900 mm - 13,5W
03.2271.14



Luminous flux luminaire 678 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	189	3.11
2	47	6.21
3	21	9.32
4	12	12.43
5	8	15.53

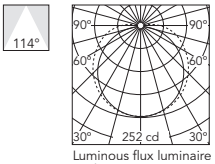
4000K
L: 1200 mm - 18W
03.2274.14



Luminous flux luminaire 947 lm

Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	264	3.11
2	66	6.21
3	29	9.32
4	16	12.43
5	11	15.53

5000K
L: 1200 mm - 18W
03.2275.14



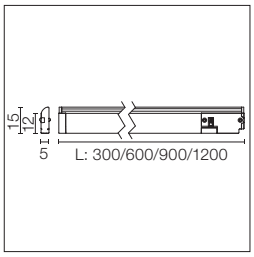
Luminous flux luminaire 904 lm

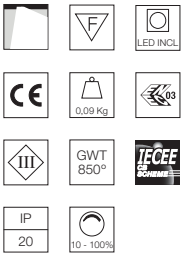
Beam Angle: 114°		
h(m)	E(lx)	D(m)
1	252	3.11
2	63	6.21
3	28	9.32
4	16	12.43
5	10	15.53

Light Stripe Wall-Washer

Light Source: Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90



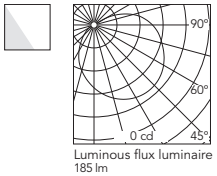




Asymmetric wall-washer LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

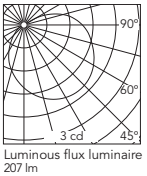
Módulo de iluminación LED de luz asimétrica wall-washer para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

2700K
L: 300 mm - 4,5W
03.2280.14



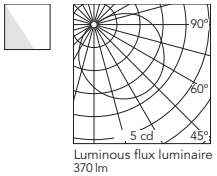
Luminous flux luminaire
185 lm

3000K
L: 300 mm - 4,5W
03.2281.14



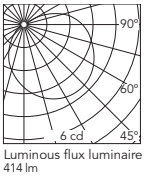
Luminous flux luminaire
207 lm

2700K
L: 600 mm - 9W
03.2284.14



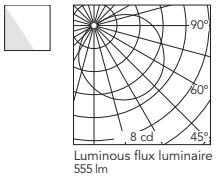
Luminous flux luminaire
370 lm

3000K
L: 600 mm - 9W
03.2285.14



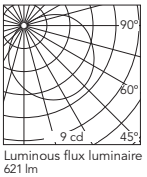
Luminous flux luminaire
414 lm

2700K
L: 900 mm - 13,5W
03.2288.14



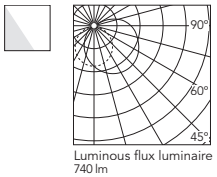
Luminous flux luminaire
555 lm

3000K
L: 900 mm - 13,5W
03.2289.14



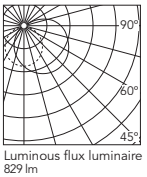
Luminous flux luminaire
621 lm

2700K
L: 1200 mm - 18W
03.2292.14



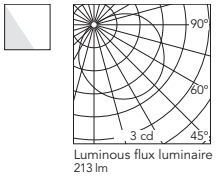
Luminous flux luminaire
740 lm

3000K
L: 1200 mm - 18W
03.2293.14



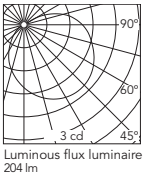
Luminous flux luminaire
829 lm

4000K
L: 300 mm - 4,5W
03.2282.14



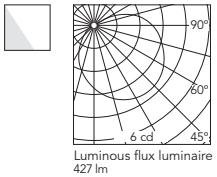
Luminous flux luminaire
213 lm

5000K
L: 300 mm - 4,5W
03.2283.14



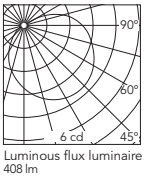
Luminous flux luminaire
204 lm

4000K
L: 600 mm - 9W
03.2286.14



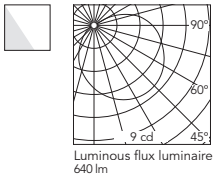
Luminous flux luminaire
427 lm

5000K
L: 600 mm - 9W
03.2287.14



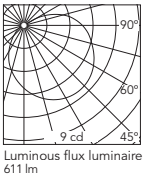
Luminous flux luminaire
408 lm

4000K
L: 900 mm - 13,5W
03.2290.14



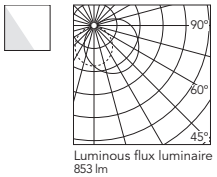
Luminous flux luminaire
640 lm

5000K
L: 900 mm - 13,5W
03.2291.14



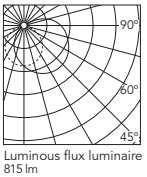
Luminous flux luminaire
611 lm

4000K
L: 1200 mm - 18W
03.2294.14



Luminous flux luminaire
853 lm

5000K
L: 1200 mm - 18W
03.2295.14

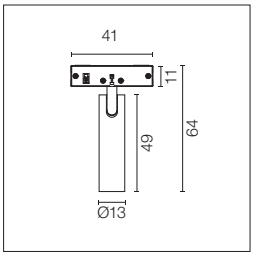


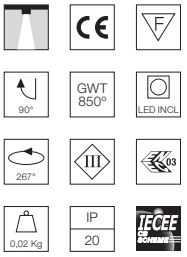
Luminous flux luminaire
815 lm

Nano Spot

Light Source: Power LED 2W - 165 lm - 2700K/CRI 90 / 2W - 170 lm - 3000K/CRI 90 / 2W - 185 lm - 4000K/CRI 90 / 2W -200 lm - 5000K/CRI 90







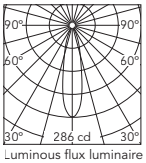
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Optic Medium

2700K
- 03.2210.40A
- 03.2210.14A

23° MEDIUM

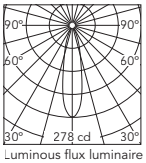


Luminous flux luminaire 73 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	286	0.41
2	72	0.83
3	32	1.24
4	18	1.65
5	11	2.06

3000K
- 03.2211.40A
- 03.2211.14A

23° MEDIUM

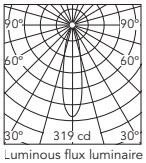


Luminous flux luminaire 70 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	278	0.41
2	69	0.83
3	31	1.24
4	17	1.65
5	11	2.06

4000K
- 03.2212.40A
- 03.2212.14A

23° MEDIUM

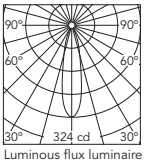


Luminous flux luminaire 81 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	319	0.41
2	80	0.83
3	35	1.24
4	20	1.65
5	13	2.06

5000K
- 03.2213.40A
- 03.2213.14A

23° MEDIUM



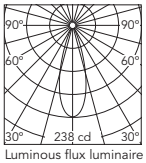
Luminous flux luminaire 82 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	324	0.41
2	81	0.83
3	36	1.24
4	20	1.65
5	13	2.06

Optic Flood

2700K
- 03.2215.40A
- 03.2215.14A

32° FLOOD

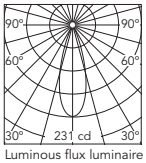


Luminous flux luminaire 77 lm

Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	238	0.57
2	60	1.15
3	26	1.72
4	15	2.29
5	10	2.87

3000K
- 03.2216.40A
- 03.2216.14A

32° FLOOD

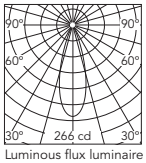


Luminous flux luminaire 75 lm

Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	231	0.57
2	58	1.15
3	26	1.72
4	14	2.29
5	9	2.87

4000K
- 03.2217.40A
- 03.2217.14A

32° FLOOD

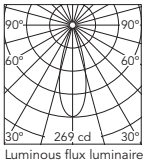


Luminous flux luminaire 86 lm

Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	266	0.57
2	66	1.15
3	30	1.72
4	17	2.29
5	11	2.87

5000K
- 03.2218.40A
- 03.2218.14A

32° FLOOD



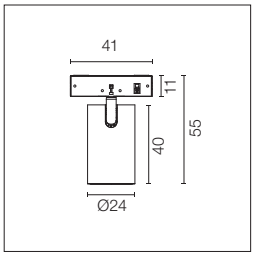
Luminous flux luminaire 87 lm

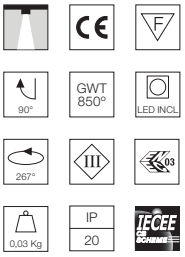
Beam Angle:	32°	
h(m)	E(lx)	D(m)
1	269	0.57
2	67	1.15
3	30	1.72
4	17	2.29
5	11	2.87

Micro Spot

Light Source: Power LED 3W - 275 lm - 2700K/CRI 90 / 3W - 295 lm - 3000K/CRI 90 / 3W - 315 lm - 4000K/CRI 90 / 3W - 335 lm - 5000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Honeycomb accessory available. Must be ordered separately.

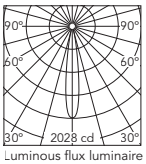
Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Accesorio honeycomb disponible. Se ha de pedir por separadao.

Optic Spot

2700K
03.2300.40A
03.2300.14A

16° SPOT

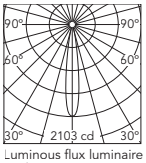


Luminous flux luminaire 216 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2028 0.27
2	507 0.54
3	225 0.82
4	127 1.09
5	81 1.36

3000K
03.2301.40A
03.2301.14A

16° SPOT

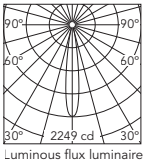


Luminous flux luminaire 224 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2103 0.27
2	526 0.54
3	234 0.82
4	131 1.09
5	84 1.36

4000K
03.2302.40A
03.2302.14A

16° SPOT

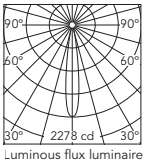


Luminous flux luminaire 240 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2249 0.27
2	562 0.54
3	250 0.82
4	141 1.09
5	90 1.36

5000K
03.2303.40A
03.2303.14A

16° SPOT



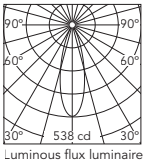
Luminous flux luminaire 243 lm

Beam Angle:	16°
h(m)	E(lx) D(m)
1	2278 0.27
2	570 0.54
3	253 0.82
4	142 1.09
5	91 1.36

Optic Flood

2700K
03.2225.40A
03.2225.14A

31° FLOOD

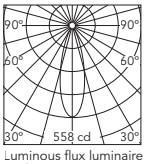


Luminous flux luminaire 183 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	538 0.54
2	134 1.09
3	60 1.63
4	34 2.17
5	22 2.72

3000K
03.2226.40A
03.2226.14A

31° FLOOD

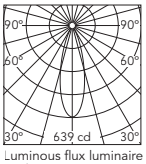


Luminous flux luminaire 189 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	558 0.54
2	139 1.09
3	62 1.63
4	35 2.17
5	22 2.72

4000K
03.2227.40A
03.2227.14A

31° FLOOD

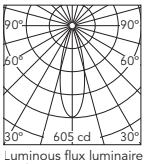


Luminous flux luminaire 217 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	639 0.54
2	160 1.09
3	71 1.63
4	40 2.17
5	26 2.72

5000K
03.2228.40A
03.2228.14A

31° FLOOD



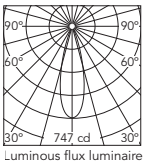
Luminous flux luminaire 205 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	605 0.54
2	151 1.09
3	67 1.63
4	38 2.17
5	24 2.72

Optic Medium

2700K
03.2220.40A
03.2220.14A

28° MEDIUM

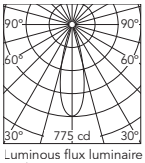


Luminous flux luminaire 200 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	747 0.51
2	187 1.02
3	83 1.54
4	47 2.05
5	30 2.56

3000K
03.2221.40A
03.2221.14A

28° MEDIUM

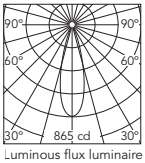


Luminous flux luminaire 207 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	775 0.51
2	194 1.02
3	86 1.54
4	48 2.05
5	31 2.56

4000K
03.2222.40A
03.2222.14A

28° MEDIUM

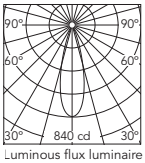


Luminous flux luminaire 231 lm

Beam Angle:	28°
h(m)	E(lx) D(m)
1	865 0.51
2	216 1.02
3	96 1.54
4	54 2.05
5	35 2.56

5000K
03.2223.40A
03.2223.14A

28° MEDIUM



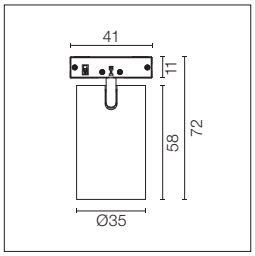
Luminous flux luminaire 224 lm

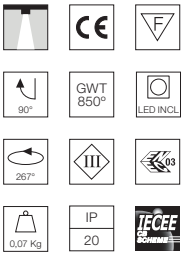
Beam Angle:	28°
h(m)	E(lx) D(m)
1	840 0.51
2	210 1.02
3	93 1.54
4	52 2.05
5	34 2.56

Spot

Light Source: Power LED 6W - 545 lm - 2700K/CRI 90 / 6W - 585 lm - 3000K/CRI 90 / 6W - 625 lm - 4000K/CRI 90 / 6W - 665 lm - 5000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Honeycomb accessory available. Must be ordered separately.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

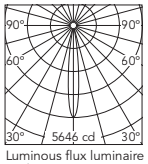
Accesorio honeycomb disponible. Se ha de pedir por separadao.

Optic Spot

2700K

☐ 03.2230.40A
■ 03.2230.14A

13° SPOT



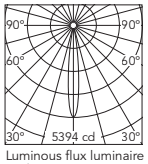
Luminous flux luminaire 340 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	5646	0.23
2	1411	0.45
3	627	0.68
4	353	0.90
5	226	1.13

3000K

☐ 03.2231.40A
■ 03.2231.14A

13° SPOT



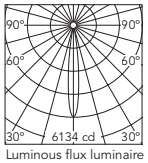
Luminous flux luminaire 324 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	5394	0.23
2	1349	0.45
3	599	0.68
4	337	0.90
5	216	1.13

4000K

☐ 03.2232.40A
■ 03.2232.14A

13° SPOT



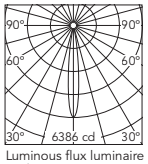
Luminous flux luminaire 369 lm

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	6134	0.23
2	1534	0.45
3	682	0.68
4	383	0.90
5	245	1.13

5000K

☐ 03.2233.40A
■ 03.2233.14A

13° SPOT



Luminous flux luminaire 384 lm

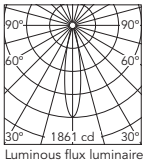
Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	6386	0.23
2	1597	0.45
3	710	0.68
4	399	0.90
5	255	1.13

Optic Medium

2700K

☐ 03.2235.40A
■ 03.2235.14A

20° MEDIUM



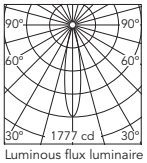
Luminous flux luminaire 315 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1861	0.35
2	465	0.71
3	207	1.06
4	116	1.41
5	74	1.77

3000K

☐ 03.2236.40A
■ 03.2236.14A

20° MEDIUM



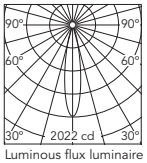
Luminous flux luminaire 301 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1777	0.35
2	444	0.71
3	197	1.06
4	111	1.41
5	71	1.77

4000K

☐ 03.2237.40A
■ 03.2237.14A

20° MEDIUM



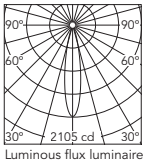
Luminous flux luminaire 342 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2022	0.35
2	505	0.71
3	225	1.06
4	126	1.41
5	81	1.77

5000K

☐ 03.2238.40A
■ 03.2238.14A

20° MEDIUM



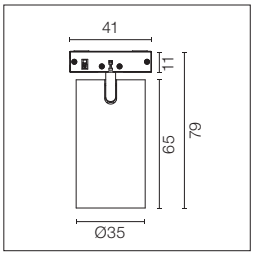
Luminous flux luminaire 356 lm

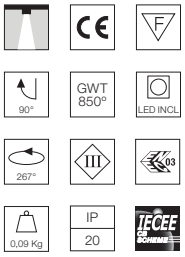
Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	2105	0.35
2	526	0.71
3	234	1.06
4	132	1.41
5	84	1.77

Light Shadow Spot Ø30

Light Source: Power LED 3W - 270 lm - 2700K/CRI 90 / 3W - 285 lm - 3000K/CRI 90 / 3W - 300 lm - 4000K/CRI 90 / 3W - 320 lm - 5000K/CRI 90







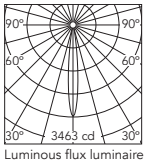
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Optic Spot

2700K
- 03.2240.40
- 03.2240.14

12° SPOT

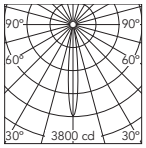


Luminous flux luminaire 203 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3463	0.21
2	866	0.42
3	385	0.63
4	216	0.84
5	139	1.05

3000K
- 03.2241.40
- 03.2241.14

12° SPOT

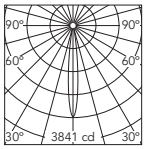


Luminous flux luminaire 223 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3800	0.21
2	950	0.42
3	422	0.63
4	237	0.84
5	152	1.05

4000K
- 03.2242.40
- 03.2242.14

12° SPOT

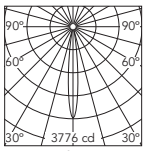


Luminous flux luminaire 225 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3841	0.21
2	960	0.42
3	427	0.63
4	240	0.84
5	154	1.05

5000K
- 03.2243.40
- 03.2243.14

12° SPOT



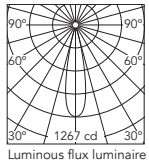
Luminous flux luminaire 221 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3776	0.21
2	944	0.42
3	420	0.63
4	236	0.84
5	151	1.05

Optic Medium

2700K
- 03.2245.40
- 03.2245.14

23° MEDIUM

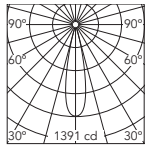


Luminous flux luminaire 191 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1267	0.40
2	317	0.80
3	141	1.20
4	79	1.60
5	51	2.00

3000K
- 03.2246.40
- 03.2246.14

23° MEDIUM

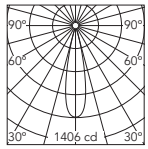


Luminous flux luminaire 210 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1391	0.40
2	348	0.80
3	155	1.20
4	87	1.60
5	56	2.00

4000K
- 03.2247.40
- 03.2247.14

23° MEDIUM

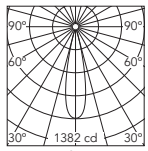


Luminous flux luminaire 212 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1406	0.40
2	351	0.80
3	156	1.20
4	88	1.60
5	56	2.00

5000K
- 03.2248.40
- 03.2248.14

23° MEDIUM



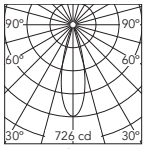
Luminous flux luminaire 209 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	1382	0.40
2	345	0.80
3	154	1.20
4	86	1.60
5	55	2.00

Optic Flood

2700K
- 03.2250.40
- 03.2250.14

29° FLOOD

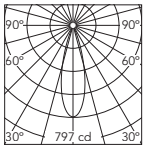


Luminous flux luminaire 186 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	726	0.51
2	182	1.03
3	81	1.54
4	45	2.05
5	29	2.57

3000K
- 03.2251.40
- 03.2251.14

29° FLOOD

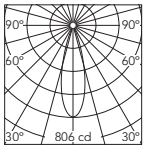


Luminous flux luminaire 204 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	797	0.51
2	199	1.03
3	89	1.54
4	50	2.05
5	32	2.57

4000K
- 03.2252.40
- 03.2252.14

29° FLOOD

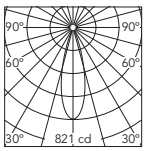


Luminous flux luminaire 206 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	806	0.51
2	201	1.03
3	90	1.54
4	50	2.05
5	32	2.57

5000K
- 03.2253.40
- 03.2253.14

29° FLOOD



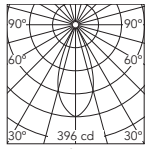
Luminous flux luminaire 210 lm

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	821	0.51
2	205	1.03
3	91	1.54
4	51	2.05
5	33	2.57

Optic Wide Flood

2700K
- 03.2255.40
- 03.2255.14

42° WIDE FLOOD

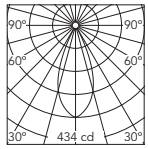


Luminous flux luminaire 175 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	396	0.77
2	99	1.53
3	44	2.30
4	25	3.07
5	16	3.83

3000K
- 03.2256.40
- 03.2256.14

42° WIDE FLOOD

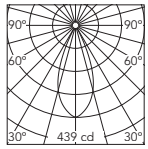


Luminous flux luminaire 192 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	434	0.77
2	108	1.53
3	48	2.30
4	27	3.07
5	17	3.83

4000K
- 03.2257.40
- 03.2257.14

42° WIDE FLOOD

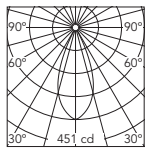


Luminous flux luminaire 194 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	439	0.77
2	110	1.53
3	49	2.30
4	27	3.07
5	18	3.83

5000K
- 03.2258.40
- 03.2258.14

42° WIDE FLOOD



Luminous flux luminaire 200 lm

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	451	0.77
2	113	1.53
3	50	2.30
4	28	3.07
5	18	3.83

Accessories / Accesorios

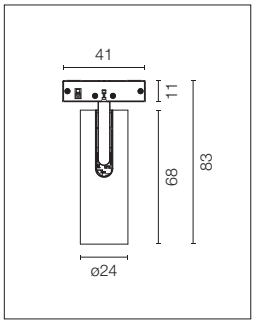
Light Shadow Spot Ø30

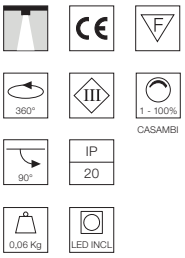
Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Find Me 0

Light Source: Power LED 3,5W - 249 lm - 2700K/CRI 90 / 3,5W - 270 lm - 3000K/CRI 90







LED accent lighting module to be installed in the Micro Running Magnet system. Incorporated DC/DC electronic converter. Casambi via Flos Control App to individually control the lights. Accessories included (honeycomb and screening crosspiece).

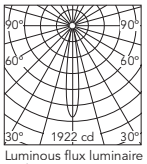
Módulo de iluminación LED de acento para ser instalado en el sistema Micro Running Magnet. Convertidor electrónico DC/DC incorporado. Casambi vía Flos Control App para el control individual de las luminarias. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Optic Spot
2700K

*Casambi integrated

03.2322.40
03.2322.14

15° SPOT



Luminous flux luminaire
169 lm

Beam Angle: 15°

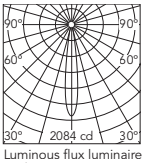
h(m)	E(lx)	D(m)
1	1922	0.26
2	481	0.52
3	214	0.77
4	120	1.03
5	77	1.29

3000K

*Casambi integrated

03.2320.40
03.2320.14

15° SPOT



Luminous flux luminaire
183 lm

Beam Angle: 15°

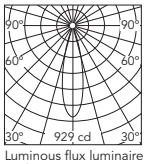
h(m)	E(lx)	D(m)
1	2084	0.26
2	521	0.52
3	232	0.77
4	130	1.03
5	83	1.29

Optic Medium
2700K

*Casambi integrated

03.2323.40
03.2323.14

25° MEDIUM



Luminous flux luminaire
179 lm

Beam Angle: 25°

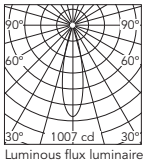
h(m)	E(lx)	D(m)
1	929	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

3000K

*Casambi integrated

03.2321.40
03.2321.14

25° MEDIUM



Luminous flux luminaire
194 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

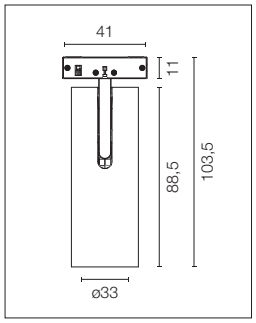
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

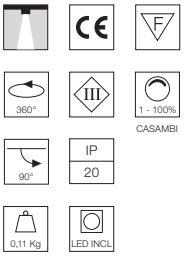
* El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 1

Light Source: Power LED 5,5W - 446 lm - 2700K/CRI 90 / 5,5W - 463 lm - 3000K/CRI 90







LED accent lighting module to be installed in the Micro Running Magnet system. Incorporated DC/DC electronic converter. Casambi via Flos Control App to individually control the lights. Accessories included (honeycomb and screening crosspiece).

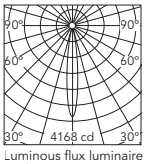
Módulo de iluminación LED de acento para ser instalado en el sistema Micro Running Magnet. Convertidor electrónico DC/DC incorporado. Casambi vía Flos Control App para el control individual de las luminarias. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Optic Spot 2700K

*Casambi integrated

03.2332.40
03.2332.14

14° SPOT



Luminous flux luminaire 309 lm

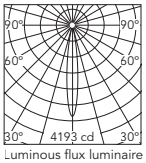
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

3000K

*Casambi integrated

03.2330.40
03.2330.14

14° SPOT



Luminous flux luminaire 314 lm

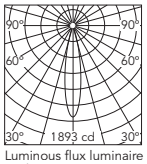
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

Optic Medium 2700K

*Casambi integrated

03.2333.40
03.2333.14

20° MEDIUM



Luminous flux luminaire 284 lm

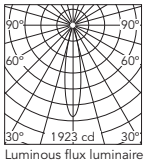
Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1893	0.35
2	473	0.70
3	210	1.06
4	118	1.41
5	76	1.76

3000K

*Casambi integrated

03.2331.40
03.2331.14

20° MEDIUM



Luminous flux luminaire 289 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	1923	0.35
2	481	0.70
3	214	1.06
4	120	1.41
5	77	1.76

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi.

* El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Accessories / Accesorios

Micro Spot

Honeycomb.

Honeycomb.



08.0190.14

Spot

Honeycomb.

Honeycomb.



08.0191.14

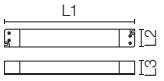
Non Dimmable

Remote Installation

Remote power supply.
Non Dimmable. 220/240V.

Fuente de alimentación remota.
No Dimable. 220/240V.





120W - 220/240V
L1: 300 - L2: 40 - L3: 30
60.9516

120W - 220/240V
L1: 268 - L2: 45 - L3: 31
60.9777A

100W - 220/240V
L1: 295 - L2: 43 - L3: 30
60.9443

60W - 220/240V
L1: 180 - L2: 52 - L3: 30
60.9515

60W - 220/240V
L1: 225 - L2: 43 - L3: 30
60.9374

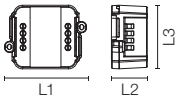
Dimmer

Remote Installation

Dimmable Control Unit 12-24Vdc. Requires driver. It must be ordered separately.
Dimming range 20-100%.

Unidad de Control Dimable 12-24Vdc Requiere driver, pedir por separado.
Rango de regulación 20-100%.





L1: 57 - L2: 19 - L3: 44

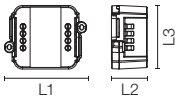
Max. 10A 0/1-10V · Push
60.9394

Remote Installation

Dimmable Control Unit 12-24-48Vdc. Requires driver. It must be ordered separately. Dimming range 10-100%.
'Power supply not included.
Dimming range 10-100%.
120W@12Vdc / 240W@24Vdc / 480W@48Vdc /

Unidad de control dimable Dali de módulos LED, para equipos de 12-24-48V. No incluye fuente de alimentación.
Rango de regulación 10-100%.
120W@12Vdc / 240W@24Vdc / 480W@48Vdc /





L1: 57 - L2: 25 - L3: 44,5

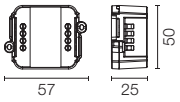
Max. 10A DALI · Push
60.9677A

Remote Installation

Dimmable Control Unit 12-48V, 10A max. Requires driver. It must be ordered separately.

Unidad de Control Dimable 12-48V, 10A max. Requiere driver, pedir por separado.



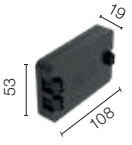


Max. 10A Casambi · Push
60.9938

Control Units / Unidades de Control

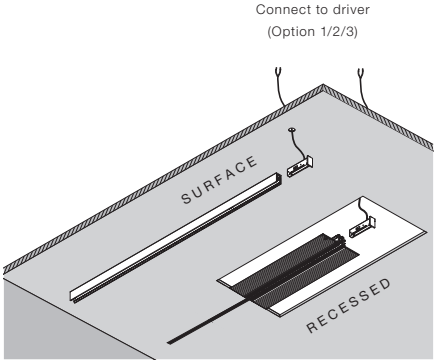
Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.

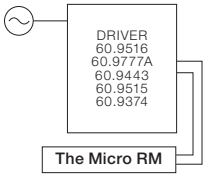


DIM 1-10V >> Casambi
08.0824.14

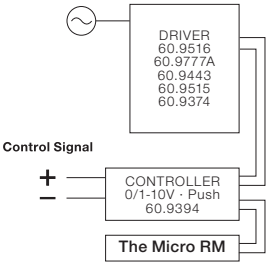
Remote Driver Installations



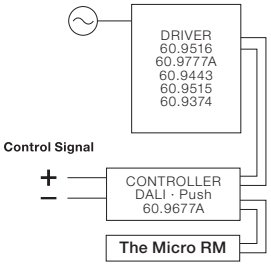
No DIM / Casambi individual



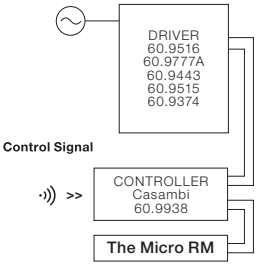
0/1-10V · Push broadcast



DALI · Push broadcast



Casambi broadcast



NEW

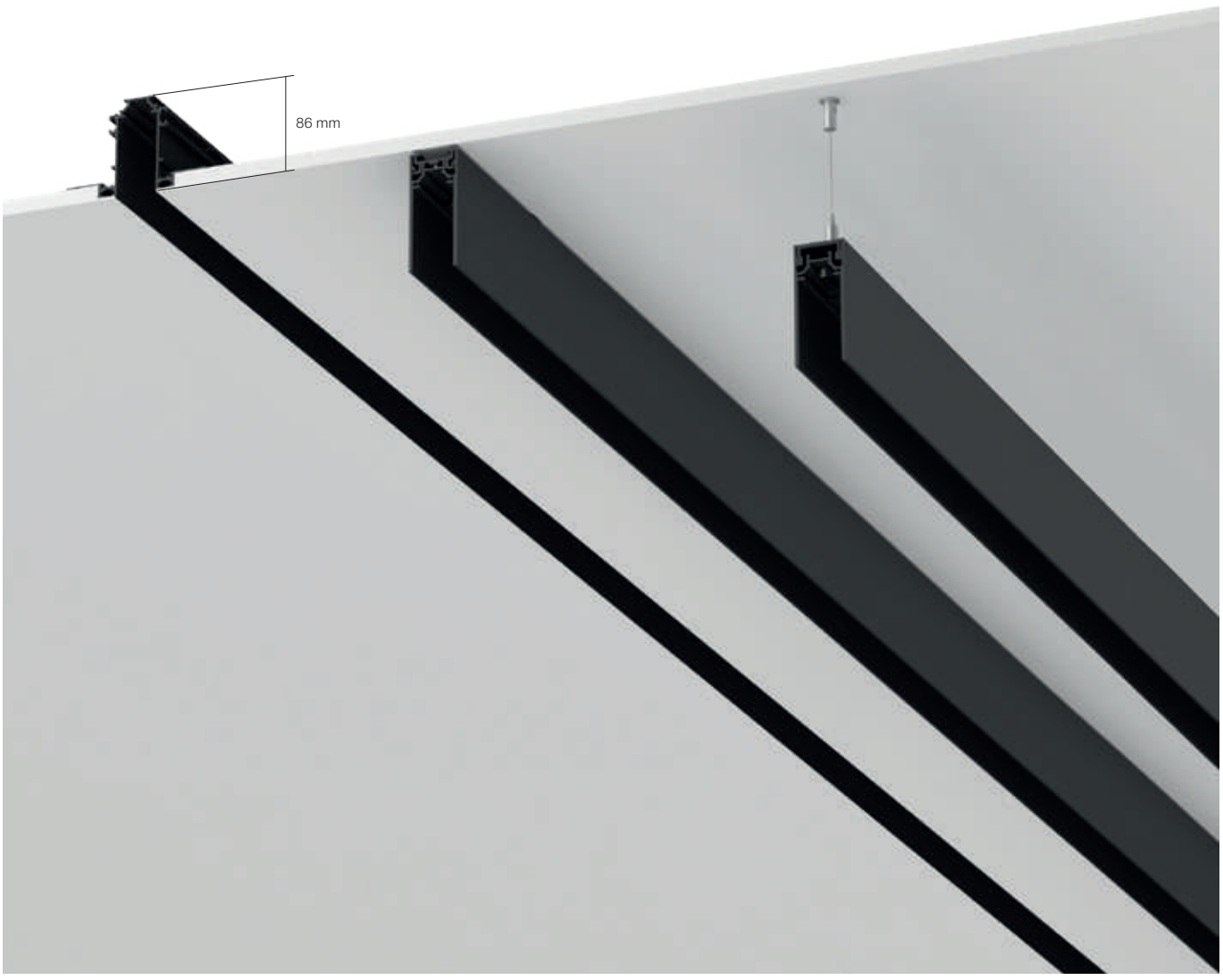
THE RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE

SUSPENSION
UP&DOWN / DOWN



Recessed Profiles ■ 14 Black
14 Negro

Surface/Suspension Profiles ■ 14 Black
14 Negro

□ 40 White
40 Blanco







Light Stripe

Spot

Surface

Suspension

Recessed
Flos Kit
Installation

Recessed
Conventional
Installation

NEW

Description
Innovative lighting system for indoor use, for surface, suspended or recessed mounting on plasterboard walls or ceilings, comprising a series of magnetic tracks that house the LED lighting modules.
The profile of all The Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaries are installed simply by insertion.
Suspended track is also available with the option of indirect lighting.
The Running Magnet family is completed with ambient lighting units and accent units with different optics, as well as a selection of decorative luminaires taken and adapted from FLOS Home Collection.
The lighting modules incorporate a magnetic mounting system for total mobility and flexibility. All light modules are available with on board potentiometer, DALI dimmable option and Casambi.

Control
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- To manage using Casambi (Max. 200 luminaires) it is necessary to order fixtures in the Casambi version, these are compatible with all profiles available for the system.
The app FLOS Control® powered by Casambi for mobile devices is also necessary (available on Apple Store and Google Play).

Power Supply
Remote 24V power supply not included.

Accessories
- Different lenses for Spot Module and Multi Spot 4.
- Screening external ring for Spot Module.
- Elliptical, flood lens and honeycomb for Anthony Spot Track.
- Honeycomb and crosspiece included in Spot 120.
- Light Shadow Spots has honeycomb accessories and CCT dichroic filters but they are not included.

Additional Information
The Recessed version can only be installed on 12.5 mm thick plasterboard surfaces.
The Running Magnet 2.0 is a 24V electrical system limited to a maximum power current of 8A and 185W to avoid overloads.
After every 185W make a new connection with a feed unit profile.
In the Up&Down version indirect illumination and the electromechanical track are powered independently.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Innovador sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso. Compuesto por perfilería magnética donde se posicionan, mediante sistema de fijación magnética, módulos de iluminación.
Todos los perfiles estructurales de Running Magnet han sido fabricados con perfilería de aluminio extruido en blanco y negro, provisto de pistas elécticas de grafito alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.
La versión suspendida también está disponible para luz indirecta.
La familia The Running Magnet se completa con módulos de iluminación ambiental y de acento con diferentes ópticas además de una selección de luminarias decorativas extraídas y adaptadas de FLOS Home Collection.
Los módulos de iluminación incorporan un sistema de fijación magnética que permite una completa movilidad y flexibilidad.
Todos los módulos de luz disponen de un potenciómetro instalado, regulación DALI o Casambi según se desee.

Control
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Unidades de Alimentación
Fuente de alimentación remota de 24V no incluida.

Accesorios
- Diferentes lentes para Spot Module y Multi Spot 4.
- Aro exterior apantallador para Spot Module.
- Lente elíptica, flood y honeycomb para Anthony Spot track.
- Honeycomb y cruceta incluidos en Spot 120.
- Light Shadow Spots dispone de accesorios honeycomb y filtros dicroicos CCT como accesorios no incluidos.

Información Adicional
Únicamente instalable en superficies de cartón yeso de 12,5mm de espesor para la versión Recessed.
The Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 8A y 185W para evitar sobrecargas.
Cada vez que completemos los 185W deberemos realizar nuevamente la conexión mediante un perfil de alimentación.
En la versión Up&Down la iluminación indirecta y el Perfil electro-mecánico tienen alimentaciones independientes.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

THE RUNNING MAGNET

LIGHT MODULES

LIGHT STRIPE



LIGHT SOURCE
TOP LED
25W/m
2060 lm/m
2700K/CRI 90
2178 lm/m
3000K/CRI 90

STRING LIGHT



LIGHT SOURCE
POWER LED
14W
930 lm
2700K/CRI 90
930 lm
3000K/CRI 90

MINI GLO-BALL



LIGHT SOURCE
POWER LED
3,5/7W
2700K/CRI 80
3000K/CRI 80

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
10W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90

SPOT MODULE



LIGHT SOURCE
POWER LED
8W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
POWER LED
12,5W/14W DALI
1003 lm
2700K/CRI 90
1002 lm
3000K/CRI 90

ANTHONY SPOT TRACK



LIGHT SOURCE
POWER LED
14W
1045 lm
2700K/CRI 90
1308 lm
3000K/CRI 90

WORKMATES SMALL



LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 10,5W
CRI 90
1382 lm / 3000K
1416 lm / 3500K
1440 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 10,5W
CRI 98
1013 lm / 3000K
1021 lm / 3500K
1032 lm / 4000K

WORKMATES LARGE



LIGHT SOURCE
TOP LED
HIGH EFFICIENCY
Up to 13,5W
CRI 90
1853 lm / 3000K
1886 lm / 3500K
1896 lm / 4000K

LIGHT SOURCE
TOP LED
FULL SPECTRUM
Up to 13,5W
CRI 98
1358 lm / 3000K
1368 lm / 3500K
1382 lm / 4000K

LIGHT SHADOW



LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

LIGHT SHADOW WALL-WASHER



LIGHT SOURCE
POWER LED
10,8W
4x270 lm
2700K/CRI 90
4x285 lm
3000K/CRI 90

MULTI SPOT 4



LIGHT SOURCE
POWER LED
10W
840 lm
2700K/CRI 90
896 lm
3000K/CRI 90

FIND ME SUSPENSION



LIGHT SOURCE
POWER LED
8W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

NEW

Light Stripe, Spot Module, Multi Spot 4, String Lights, Mini Glo-Ball

14 Black
14 Negro







Light Shadow Spot

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado







Workmates

All White
All White

White
Blanco

Black
Negro

Anodized Silver
Anodized Silver






Light Shadow

HIGH COMFORT

White
Blanco

Black
Negro

Copper
Cobre

Steel
Acero

Bronze
Bronce







HIGH COMFORT

White
Blanco

Black
Negro

Copper
Cobre

Steel
Acero

Bronze
Bronce







Spot 120

40 White
40 Blanco

14 Black
14 Negro




Light Shadow Wall-Washer

40 White
40 Blanco

14 Black
14 Negro




Anthony Spot Track

40 White
40 Blanco

14 Black
14 Negro




Find Me Suspension

40 White
40 Blanco

05 Polished Aluminium
05 Polished Aluminium

14 Black
14 Negro





Multifunction Smart Device

40 White
40 Blanco

14 Black
14 Negro

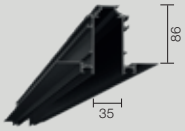



NEW

HOW TO ORDER

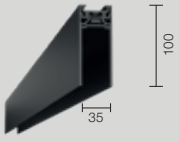
1 CHOOSE YOUR PROFILE AND LENGTH

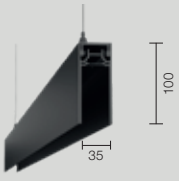
RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

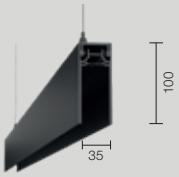
SURFACE / SUSPENSION DOWN PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

SUSPENSION UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

End cap



Included with feed profile

90° Corner



Electrical / mechanical joint

Inner corner



Electrical / mechanical joint

Outer corner



Electrical / mechanical joint

Accessories

Fixed ceiling kit



or

Adjustable ceiling kit



Surface

Inner corner



Electrical / mechanical joint

Surface / Suspension Down

End cap



Included with feed profile

90° Corner



Electrical / mechanical joint

Suspension Down

Corner 90° Grid



T-Joint



X-Joint



Electrical / mechanical joint

Surface Accessories

Fixed ceiling kit
(Included)



Suspension Accessories

Suspension kit
(Included)



+

Surface rose
(not Included)



or

Recessed rose
(not Included)



End cap



Included with feed profile

90° Corner



Electrical / mechanical joint

Suspension Accessories

Suspension kit
(Included)



+

Surface rose
(not Included)



or

Recessed rose
(not Included)



NEW

3 SELECT POWER SUPPLY AND CONTROL OPTION

(select the driver with the appropriate power according to the needs of your project)

Remote power supply
Profiles: Recessed, Surface, Suspension Down



60W 120W 200W

Remote power supply
Profile: Suspension Up & Down

Down
Non Dimmable / Casambi / DALI



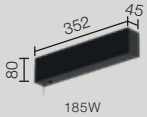
60W 120W 200W

Up

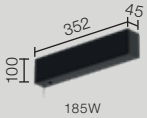


60W
or
120W
or
200W
Casambi

Surface power supply
Profile: Suspension Down / Up & Down



185W
Non Dimmable / Casambi*
*(only light modules, up light no dim)



185W
DALI
(Up&Down Dimming synchronized)

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Non Dimmable / Dali / Casambi

Light Stripe



General lighting

Light Shadow Spot 30



S/M/F/WF

Light Shadow Spot 45



S/M/F

Spot Module



S

Spot 120



S

Anthony Spot Track



S/M

Multi Spot 4



S/M

Light Shadow



S/M/F/WF

Light Shadow W-W



Wall - Washer

Workmates Small



WF/O/HC

Workmates Large



WF/O/HC

String Light



Mini Glo-Ball



General lighting

Find Me Suspension

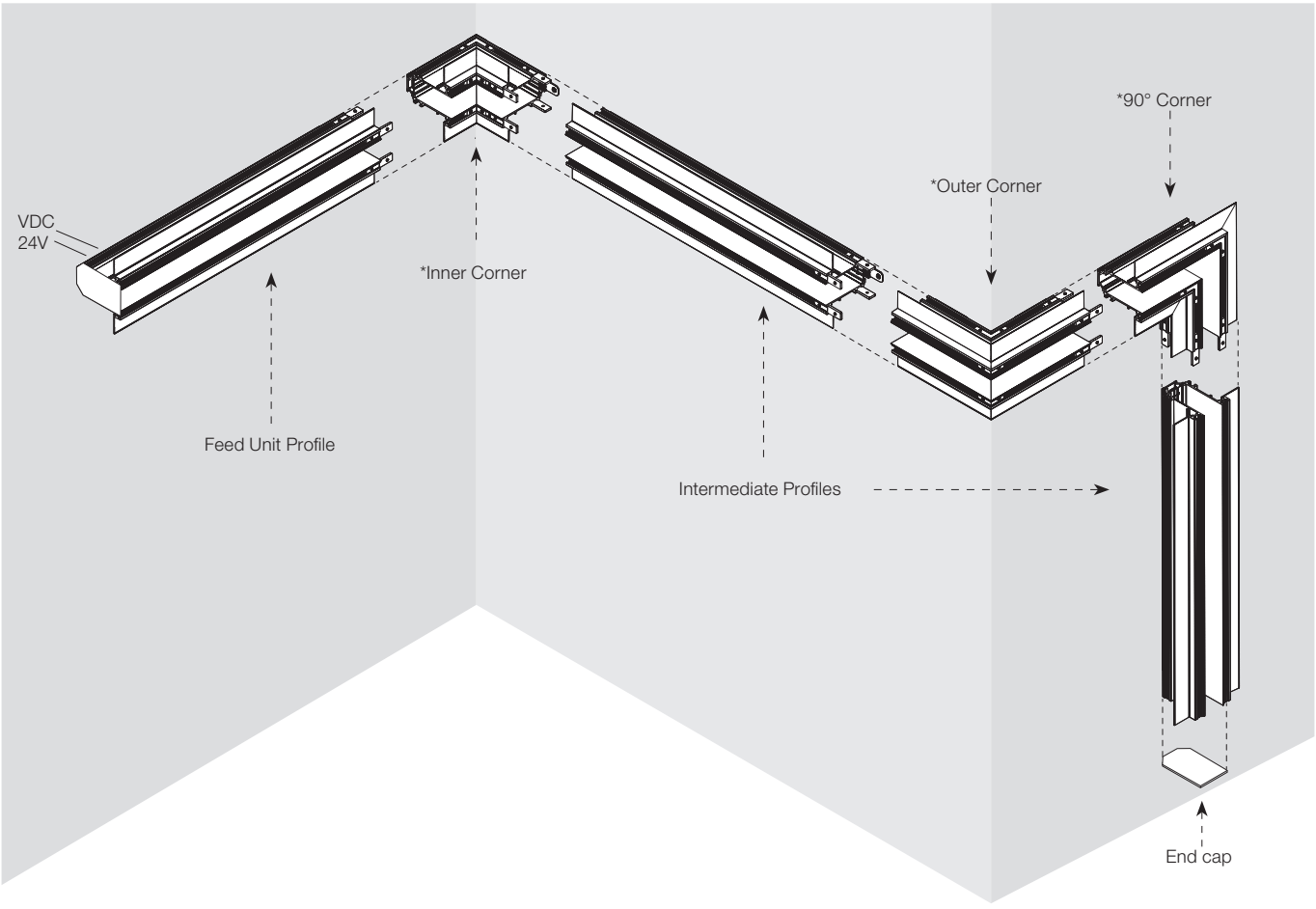


General lighting

Multifunction Smart Device
FLOS Control® by Casambi



RECESSED INSTALLATION



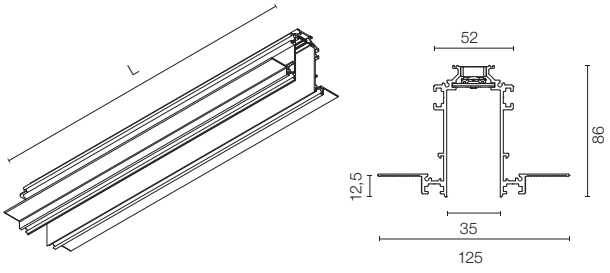
* Corners can be powered / Esquinas alimentables.

Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m. Covers included with the power feed profiles.
90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.
For connection to the driver.
Permanent or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminimum fastening profiles.
Recommended for installations where the Running Magnet can be installed before the suspended plasterboard ceiling.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m. Tapas incluidas en los perfiles de alimentación.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior. Provistos para conexión a driver.
Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Running Magnet antes que el falso techo de cartón yeso.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

L: 1000 mm
06.1638.14
L: 1500 mm
06.1639.14
L: 2000 mm
06.1640.14
L: 2500 mm
06.1641.14
L: 3000 mm
06.1642.14

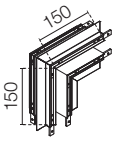
Intermediate Profiles

L: 1000 mm
06.1643.14
L: 1500 mm
06.1644.14
L: 2000 mm
06.1645.14
L: 2500 mm
06.1646.14
L: 3000 mm
06.1647.14

90° Corner.
Can be powered.

Esquina 90°.
Alimentable.



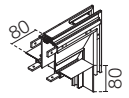


06.1648.14

Inner corner.
Can be powered.

Esquina interior.
Alimentable.



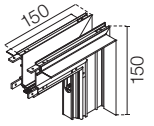


06.1650.14

Outer corner.
Can be powered.

Esquina exterior.
Alimentable.





06.1651.14

End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.

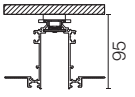


08.8865.14A

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo (opcional). Kit de 2 unidades.





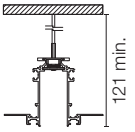
08.8866.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.





08.8867.14

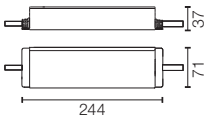
Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Drivers / Equipos

LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.



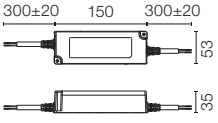


60.9352

Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.



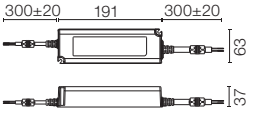


60W
60.9089

Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.

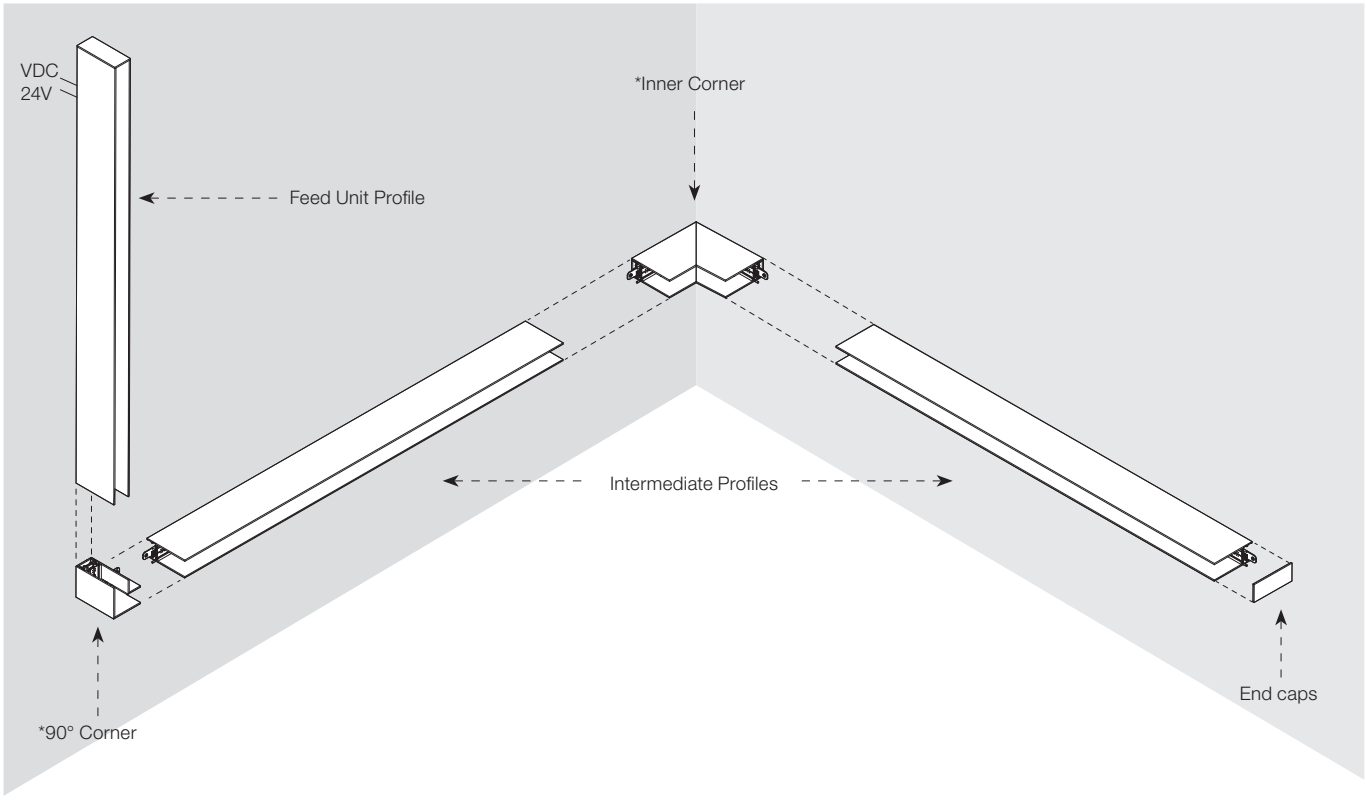




120W
60.9407

For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

SURFACE INSTALLATION



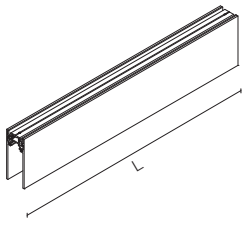
* Corners can be powered / Esquinas alimentables.

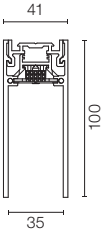
Profiles

Electromechanical profile for surface-mounting.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles. Attachment accessories included with all products.
90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane, for the Surface and Down versions. For connection to the driver.
The inner part of the profile is always supplied in black.

Perfiles

Perfil electro-mecánico para instalaciones en superficie.
Perfiles lineales disponibles en dos versiones: perfil de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación. Accesorios de fijación incluidos en todos los productos.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior, comunes en versiones Surface y Down. Provistos para conexión a driver.
La parte interior del perfil se suministra siempre en negro.





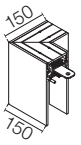
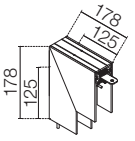
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

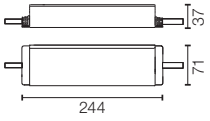
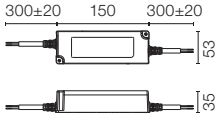
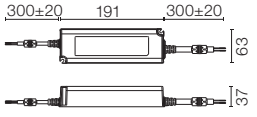
L: 1000 mm
06.1600.40
06.1600.14
L: 1500 mm
06.1601.40
06.1601.14
L: 2000 mm
06.1602.40
06.1602.14
L: 2500 mm
06.1603.40
06.1603.14
L: 3000 mm
06.1604.40
06.1604.14

Intermediate Profiles

L: 1000 mm
06.1605.40
06.1605.14
L: 1500 mm
06.1606.40
06.1606.14
L: 2000 mm
06.1607.40
06.1607.14
L: 2500 mm
06.1608.40
06.1608.14
L: 3000 mm
06.1609.40
06.1609.14

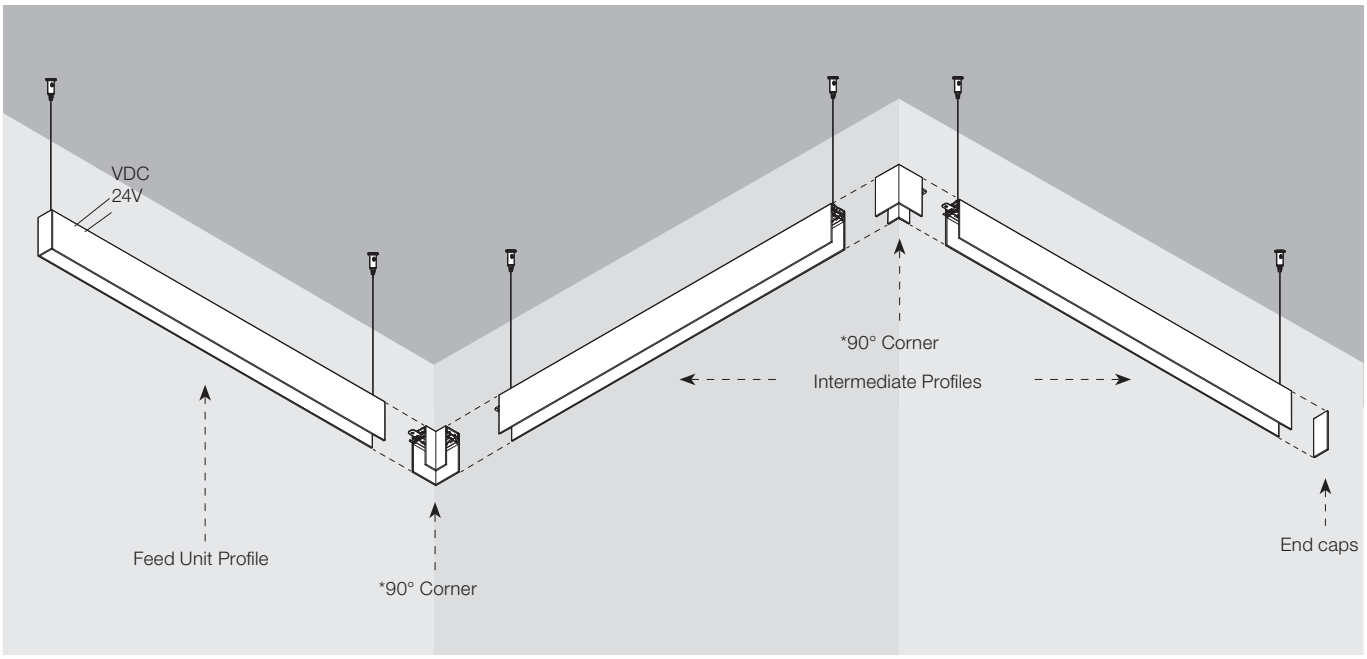
90° Corner. Can be powered.	Esquina 90°. Alimentable.			06.1610.40 06.1610.14
Inner corner. Can be powered.	Esquina interior. Alimentable.			06.1612.40 06.1612.14
End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.	Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.			08.8887.40A 08.8887.14A

Drivers / Equipos

LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.	Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.			60.9352
Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			60W 60.9089
Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			120W 60.9407

For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

SUSPENSION DOWN INSTALLATION



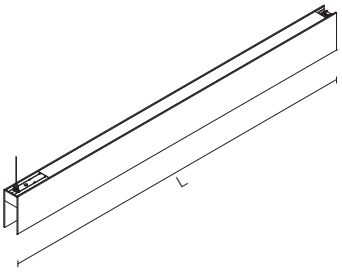
* Corners can be powered / Esquinas alimentables.

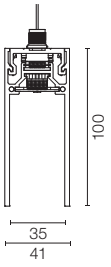
Profiles

Electromechanical profile for suspended installations.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles.
Ceiling connection (4.2 m feed cable) and suspension (4 m steel cable) accessories included in all linear feed or intermediate products. 90° corners in the same plane (symmetrical element for right and left corners) for the Surface and Down versions. Provided for connection to the driver.
The inner part of the profile is always supplied in black.

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación.
Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), comunes en versiones Surface y Down.
Provistos para conexión a driver.
La parte interior del perfil se suministra siempre en negro.





L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles	Intermediate Profiles
L: 1000 mm	L: 1000 mm
06.1626.40 / 06.1626.14	06.1631.40 / 06.1631.14
L: 1500 mm	L: 1500 mm
06.1627.40 / 06.1627.14	06.1632.40 / 06.1632.14
L: 2000 mm	L: 2000 mm
06.1628.40 / 06.1628.14	06.1633.40 / 06.1633.14
L: 2500 mm	L: 2500 mm
06.1629.40 / 06.1629.14	06.1634.40 / 06.1634.14
L: 3000 mm	L: 3000 mm
06.1630.40 / 06.1630.14	06.1635.40 / 06.1635.14

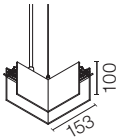
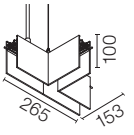
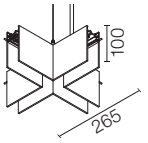
Remote Drivers / Equipos remotos

References shared with Up&Down suspension version. Please see next page.
Referencias compartidas con versión suspension Up&Down. Ver página siguiente.

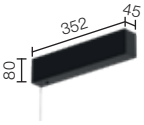
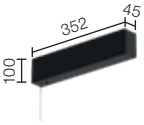
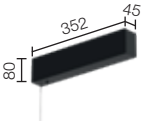


90° Corner. Cannot be powered. Includes 1 cable suspension kit. Can be powered. Includes 2 cable suspension kits.	Esquina 90°. No alimentable. Incluye 1 kit de suspensión con cable. Alimentable. Incluye 2 kits de suspensión con cable.			Cannot be powered ☐ 06.1657.40 ■ 06.1657.14 Can be powered ☐ 06.1656.40 ■ 06.1656.14
End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.	Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.			☐ 08.8887.40A ■ 08.8887.14A

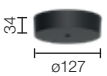
Down grid structures (square or rectangle shapes) / Para estructuras cerradas (cuadrados o rectángulos)

Corner 90º Grid. Corner to build grig structures perfectly closed. Feed unit. Dimensions 153x153.	Esquina 90º para estructuras en cuadrículas. Esquina para la construcción de estructuras en cuadrícula perfectamente cerradas. Alimentable. Dimensiones 153x153.			■ 06.1740.14
T-Joint Grid Down. T piece to build grid structures perfectly closed. Feed unit. Dimensions 265x153.	Unión en T para estructuras en cuadrículas. Pieza en forma de T, para la construcción de estructuras en cuadrícula perfectamente cerradas. Alimentable. Dimensiones 265x153.			■ 06.1741.14
X-Joint Grid Down. Cross piece to build grid structures perfectly closed. Feed unit. Dimensions 265x265.	Unión en cruz para estructuras en cuadrículas. Pieza en forma de cruz, para la construcción de estructuras en cuadrícula perfectamente cerradas. Alimentable. Dimensiones 265x265.			■ 06.1742.14

Suspension Down / Suspension Up&Down
Surface Drivers / Equipos de superficie

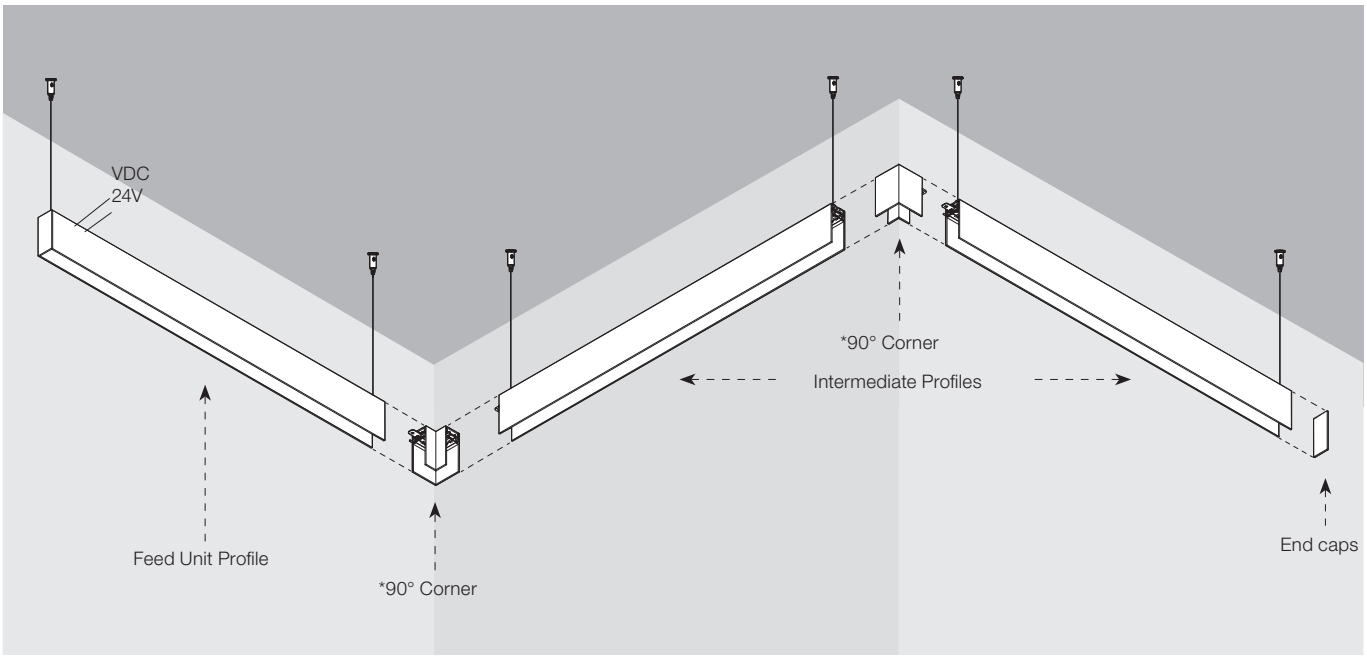
Surface power supply for direct and indirect lighting with housing for the driver. 24V/185W - 110/240V equipment included. Cables not included.	Caja de alimentación de superficie tanto para luz directa como luz directa e indirecta con alojamiento para driver. Equipo 24V/185W - 110/240V incluido. Cables no incluidos.		Non Dimmable ☐ 08.8886.40 ■ 08.8886.14
DALI controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.	Controlador DALI y equipo 24V/185W - 110/240V para alimentar y controlar tanto la iluminación directa como la indirecta, incluido. Cables no incluidos.		Dali ☐ 08.8886.40.DA ■ 08.8886.14.DA
Casambi controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.	Controlador Casambi y equipo 24V/185W - 110/240V para alimentar y controlar tanto la iluminación directa como la indirecta, incluido. Cables no incluidos.		Casambi ☐ 08.8886.40.CB ■ 08.8886.14.CB

Suspension Down / Suspension Up&Down
Remote Drivers Accessories / Accesorios para equipos remotos

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.	Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.		☐ 08.8883.40A ■ 08.8883.14A
Recessed power supply rose. Equipment not included. To be ordered separately.	Rosetón de alimentación empotrado. Equipo no incluido, pedir por separado.		☐ 08.8889.40 ■ 08.8889.14

For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

SUSPENSION UP&DOWN INSTALLATION



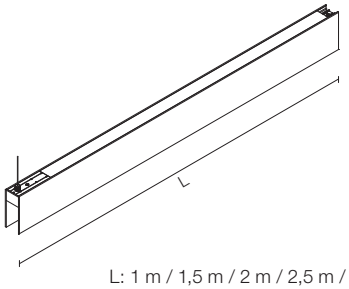
* Corners can be powered / Esquinas alimentables.

Profiles

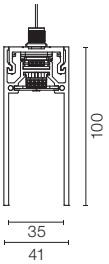
Electromechanical profile for suspended installations.
Linear elements in the Up&Down version include indirect LED illumination in the upper part of the profile. Shared or separate power feed.
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
Covers included with the power feed profiles. Ceiling connection (4.2 m feed cable) and suspension (4m steel cable) accessories included in all linear feed or intermediate products.
90° corners in the same plane (symmetrical element for right and left corners). Not provided for connection to the driver.
The corners of the Suspended Running Magnet versions are not fitted with indirect illumination. Indirect illumination can be managed as a separate circuit if powered by a dedicated driver and, in the case of the DALI installation,if equipped with a dedicated optional DALI controller. To be ordered separately.
Profiles cannot be cut.
The inner part of the profile is always supplied in black.

Perfiles

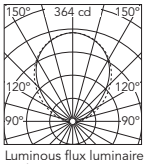
Perfil electro-mecánico para instalaciones suspendidas.
Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil. Pueden alimentarse con alimentación común o independiente.
Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
Tapas incluidas en los perfiles de alimentación. Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha). No provistos para conexión a driver.
Las esquinas de las versiones Suspendidas del Running Magnet no incorporan iluminación indirecta. La iluminación indirecta puede ser controlada como un circuito separado si se alimenta con un equipo especial y, en el caso de una instalación DALI, equipada con un equipo opcional de control DALI se debe pedir por separado.
Los perfiles no se pueden cortar.
La parte interior del perfil se suministra siempre en negro.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m







Luminous flux luminaire
844 lm *L: 1000 mm

Beam Angle:	91°
h(m)	E(lx) D(m)
1	364 2.05
2	91 4.10
3	40 6.15
4	23 8.20
5	15 10.25

Light Source: Top LED 8,4W/m Up - 950 lm/m Up - 3000K/CRI 90

Feed Unit Profiles

L: 1000 mm
06.1614.40A
06.1614.14A
L: 1500 mm
06.1615.40A
06.1615.14A
L: 2000 mm
06.1616.40A
06.1616.14A
L: 2500 mm
06.1617.40A
06.1617.14A
L: 3000 mm
06.1618.40A
06.1618.14A

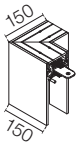
Intermediate Profiles

L: 1000 mm
06.1619.40A
06.1619.14A
L: 1500 mm
06.1620.40A
06.1620.14A
L: 2000 mm
06.1621.40A
06.1621.14A
L: 2500 mm
06.1622.40A
06.1622.14A
L: 3000 mm
06.1623.40A
06.1623.14A

90° Corner.
Cannot be powered. Includes 1 cable suspension kit.

Esquina 90°.
No alimentable. Incluye 1 kit de suspensión con cable.





06.1624.40
06.1624.14

End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



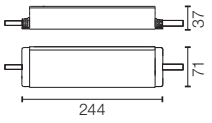
08.8887.40A
08.8887.14A

Suspension Down / Suspension Up&Down
Remote Drivers / Equipos remotos

LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.



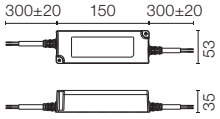


60.9352

Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.



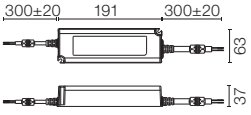


60W
60.9089
Up lighting max. 6m

Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.





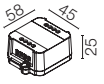
120W
60.9407
Up lighting max. 8m

Suspension Up&Down
Remote Dimmable Control Unit / Unidad de control regulable remoto

Dimmable Dali control unit for 12-24-48V LED modules. Power supply not included. For controlling indirect lighting (UP).

Unidad de control dimable Dali para la regulación de módulos LED, para equipos de 12-24-48V. No incluye fuente de alimentación. Para control de la iluminación indirecta (UP).



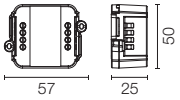


Dali · Push
Max. 10A
60.9678A

Dimmable Control Unit 12-48V, 10A max. Requires driver. It must be ordered separately.

Unidad de Control Dimable 12-48V, 10A max. Requiere driver, pedir por separado.





Casambi · Push
Max. 10A
60.9938

Surface Drivers & Remote Drivers Accessories / Equipos de superficie y accesorios para equipos remotos

References shared with Down suspension version. Please see previous page.
Referencias compartidas con versión suspension Down. Ver página anterior.



Surface Driver



Surface Rose



Recessed Rose

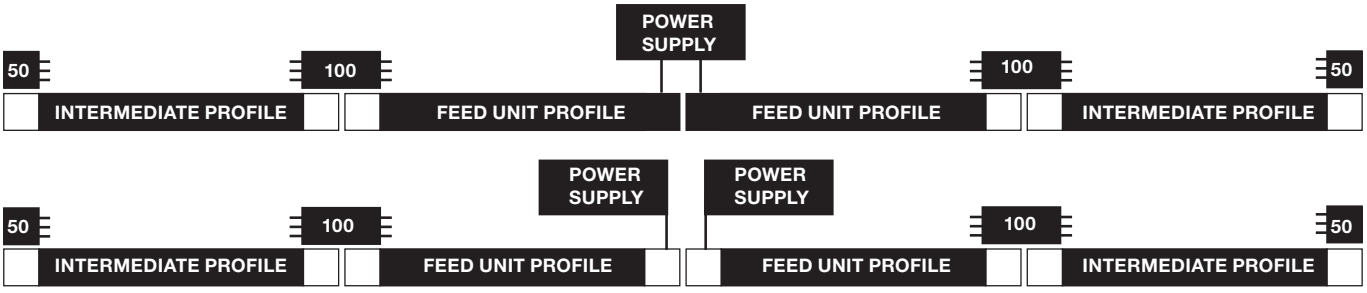
For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

• Can I feed a structure directly from a corner without using a feed unit profile?
Yes, corners are prepared to feed a structure in both directions without the need for a feed unit profile. Simply remember that you'll have to order the End cap profiles separately because they are not included in corners and intermediate profiles.
Take note that corners in Up&Down versions cannot be fed.

• Can I use a feed unit profile to feed a surface structure from the center?
Yes, to feed a surface structure from the center (in both directions), you'll need to use two feed unit profiles with two power supplies connected, one to each feed unit profile, or connect the same power supply to both feed unit profiles, respecting any potential electrical limitations. The mechanical connection can be made between profiles without any problem.

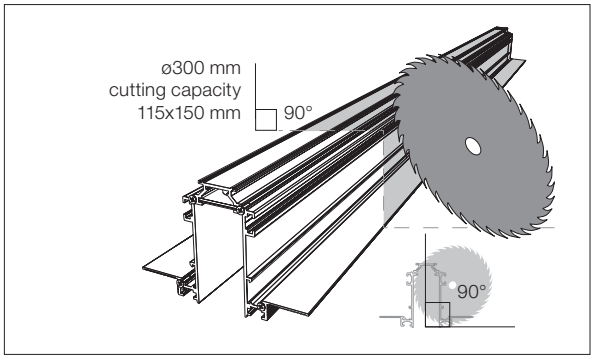
• ¿Puedo alimentar una estructura directamente desde una esquina sin utilizar un perfil de alimentación?
Sí, las esquinas están preparadas para alimentar una estructura en ambas direcciones sin la necesidad de utilizar un perfil de alimentación. Simplemente se ha de tener en cuenta que se deberán pedir por separado las tapas de los perfiles ya que no están incluidas en las esquinas y perfiles intermedios.
Las esquinas en la versión Up&Down no se pueden alimentar.

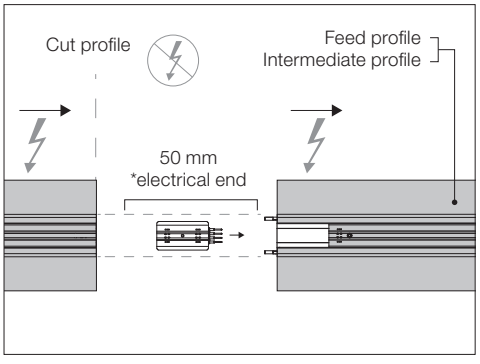
• ¿Puedo utilizar un perfil de alimentación para alimentar una estructura de superficie desde el centro?
Sí, para alimentar una estructura de superficie desde el centro (en ambas direcciones), se necesitarán dos perfiles de alimentación con dos fuentes de alimentación, una para cada perfil de alimentación, o la misma fuente de alimentación para ambos perfiles de alimentación, respetando las limitaciones eléctricas. La conexión mecánica entre los dos perfiles se puede realizar sin ningún problema.



• Can I cut a profile?
Yes, profiles can be cut to the desired length (except Up&Down version). Once a profile is cut, the electrical continuity is lost. If the cut element is not the one that closes the structure (in that case you don't need electrical continuity) the next section must to be fed with a corner or a feed unit profile.
If the cut side is at the end, the metallic end cap must be electrically insulated.

• ¿Puedo cortar un perfil?
Sí, los perfiles se pueden cortar a la medida deseada (excepto en la versión Up&Down). Una vez se corta un perfil se pierde la continuidad eléctrica. Si el perfil cortado no es el que cierra la estructura (en ese caso no se necesita continuidad eléctrica) el siguiente tramo se deberá volver a alimentar con una esquina o un perfil de alimentación.
Si el lado cortado es final, hay que aislar eléctricamente la tapa (end cap) metálica.

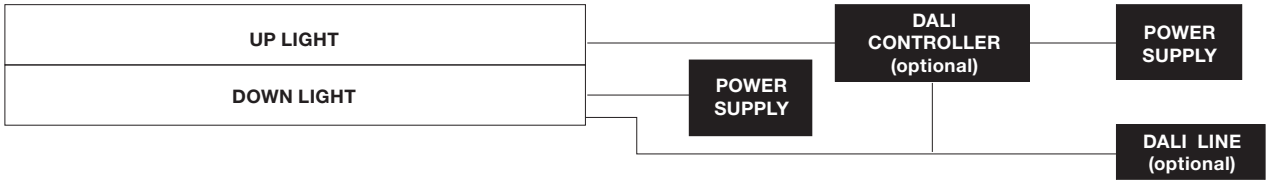




* Included with feed profiles or end caps /
Incluido en los perfiles de alimentación o end caps.

• Can I independently control the Up Light and the Down Light in the Up&Down version?
Yes, to control the Up Light and Down Light independently you just have to connect one power supply to the down electrical connector and another one to the up electrical connector. This allows you to manage the different light sources independently.
If you want to use a DALI Dimmable system for the Up Light and the Down Light, then the power supply connected to Up Light must be connected to a Dali controller (60.9678A).

• ¿Puedo controlar de manera independiente la iluminación directa e indirecta en la versión Up&Down?
Sí, para controlar la iluminación directa e indirecta de forma independiente simplemente se ha de conectar una fuente de alimentación a la conexión de iluminación indirecta y otra a la directa, permitiendo de esta forma controlar las diferentes fuentes de manera independiente.
Si se desea usar un sistema de regulación DALI, entonces la fuente de alimentación conectada a la iluminación indirecta tiene que conectarse a un controlador DALI (60.9678A).



• Can I independently control the luminaires installed in the structure with a DALI controller?
Yes, the DALI system will identify each luminaire installed in the profile with a unique address, and will allow you to independently manage each one.

• ¿Puedo controlar de manera independiente las luminarias instaladas en una estructura con un controlador DALI?
Sí, el sistema DALI identificará cada luminaria que se instale individualmente y permitirá su control de manera independiente.

• Do I need the Dimmable Dali controller 60.9678A to make the DALI structure?
The luminaries to be installed in the track are already equipped with Dali electronic, so a Dali controller is not required for these.
The 60.9678A DALI Controller is only required to make the Up indirect Light controllable with a DALI system in the Up&Down version.

• ¿Necesito la unidad de control dimmable DALI 60.9678A para hacer la estructura DALI?
Las luminarias ya van equipadas con electrónica DALI, por lo que la unidad de control DALI no será necesaria.
La unidad de control DALI 60.9678A solo será necesaria para controlar la iluminación indirecta con un sistema DALI en la versión Up&Down.

• What is the maximum distance allowed between the driver and the profile?
With the 200W power supply (60.9352) in our catalogue, the maximum distance allowed is:
. Ø 1.5 mm^2 cable: 2,5 m
. Ø 2.5 mm^2 cable: 4 m

• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?
Con la fuente de alimentación de 200W (60.9352) de nuestro catálogo, la distancia máxima permitida es:
. Cable de Ø 1,5 mm^2 : 2,5 m
. Cable de Ø 2,5 mm^2 : 4 m

• What is the maximum length that can be fed with one power supply?
The maximum profile length that can be fed with a power supply is 8 m.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 8 m.

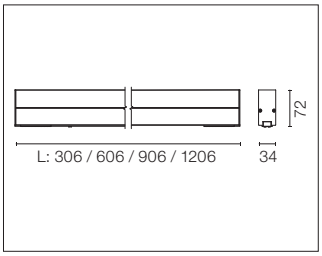
• Can I use a different, less powerful power supply?
All the information published on our website, and in our catalogue and installation instructions sheets is adjusted to the tests we perform with our 200W power supply (60.9352), which we recommend for our products.
However, a different power supply can be used to feed the profiles but the electrical limitations that it will have to accomplish should be taken into account.
It should be a 24V power supply with a maximum electric current of 8A.

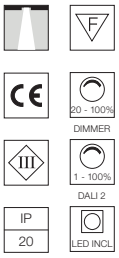
• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?
Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con nuestra fuente de alimentación de 200W (60.9352) recomendada para nuestros productos.
De todas formas, se puede utilizar una fuente de alimentación diferente para alimentar los perfiles, pero teniendo en cuenta las limitaciones eléctricas que debe cumplir.
Debe ser una fuente de alimentación de 24V con una corriente eléctrica máxima de 8A.

Light Stripe

Light Source: Top LED 25W/m - 2060 lm/m - 2700K/CRI 90 / 25W/m - 2178 lm/m - 3000K/CRI 90



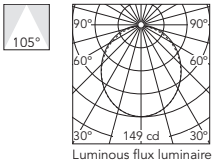




Diffused LED light module to be installed in The Running Magnet System. Opaline end caps to create continuous lines of light included. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Running Magnet. Tapas opalinas para crear líneas de luz continuas incluidas. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

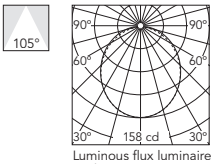
2700K
L: 300 mm - 7,5W - 618lm
On board dimmer
03.7000.14
Dali 2
03.7000.14ADA
**Casambi Integrated
03.7000.14.CB



Luminous flux luminaire
416 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	149	2.76
2	37	5.52
3	17	8.28
4	9	11.04
5	6	13.81

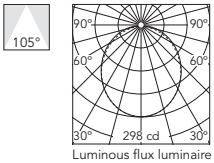
3000K
L: 300 mm - 7,5W - 653lm
On board dimmer
03.7001.14
Dali 2
03.7001.14ADA
**Casambi Integrated
03.7001.14.CB



Luminous flux luminaire
440 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	158	2.76
2	39	5.52
3	18	8.28
4	10	11.04
5	6	13.81

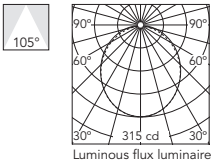
2700K
L: 600 mm - 15W - 1237lm
On board dimmer
03.7002.14
Dali 2
03.7002.14ADA
**Casambi Integrated
03.7002.14.CB



Luminous flux luminaire
833 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	298	2.76
2	75	5.52
3	33	8.28
4	19	11.04
5	12	13.81

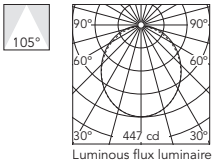
3000K
L: 600 mm - 15W - 1307lm
On board dimmer
03.7003.14
Dali 2
03.7003.14ADA
**Casambi Integrated
03.7003.14.CB



Luminous flux luminaire
880 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	315	2.76
2	79	5.52
3	35	8.28
4	20	11.04
5	13	13.81

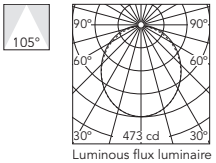
2700K
On board dimmer
L: 900 mm - 22,5W - 1855lm
03.7004.14
Dali 2
03.7004.14ADA
**Casambi Integrated
03.7004.14.CB



Luminous flux luminaire
1249 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	447	2.76
2	112	5.52
3	50	8.28
4	28	11.04
5	18	13.81

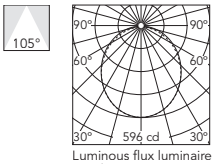
3000K
On board dimmer
L: 900 mm - 22,5W - 1960lm
03.7005.14
Dali 2
03.7005.14ADA
**Casambi Integrated
03.7005.14.CB



Luminous flux luminaire
1320 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	473	2.76
2	118	5.52
3	53	8.28
4	30	11.04
5	19	13.81

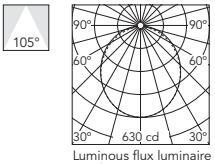
2700K
On board dimmer
L: 1200 mm - 30W - 2473lm
03.7006.14
Dali 2
03.7006.14ADA
**Casambi Integrated
03.7006.14.CB



Luminous flux luminaire
1665 lm

Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	596	2.76
2	149	5.52
3	66	8.28
4	37	11.04
5	24	13.81

3000K
On board dimmer
L: 1200 mm - 30W - 2614lm
03.7007.14
Dali 2
03.7007.14ADA
**Casambi Integrated
03.7007.14.CB



Luminous flux luminaire
1760 lm

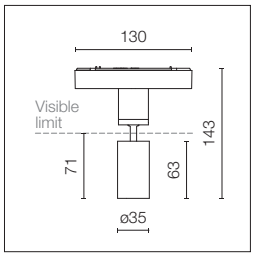
Beam Angle:	105°	
h(m)	E(lx)	D(m)
1	630	2.76
2	158	5.52
3	70	8.28
4	39	11.04
5	25	13.81

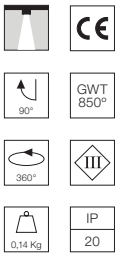
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow Spot 30

Light Source: Power LED 4W - 257 lm - 2700K/CRI 90 / 4W - 263 lm - 3000K/CRI 90







LED accent lighting module for installation in The Running Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

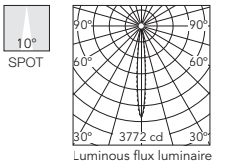
Optic Spot - 2700K

On board dimmer
- 05.9100.40
- 05.9100.14
- 05.9100.ER
- 05.9100.ES
- 05.9100.EQ

Dali 2
- 05.9100.40.DA
- 05.9100.14.DA
- 05.9100.ER.DA
- 05.9100.ES.DA
- 05.9100.EQ.DA

1-10V
- 05.9100.40.1V
- 05.9100.14.1V
- 05.9100.ER.1V
- 05.9100.ES.1V
- 05.9100.EQ.1V

Casambi integrated
- 05.9100.40.CB
- 05.9100.14.CB
- 05.9100.ER.CB
- 05.9100.ES.CB
- 05.9100.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle:	10°
h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

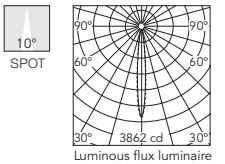
Optic Spot - 3000K

On board dimmer
- 05.9105.40
- 05.9105.14
- 05.9105.ER
- 05.9105.ES
- 05.9105.EQ

Dali 2
- 05.9105.40.DA
- 05.9105.14.DA
- 05.9105.ER.DA
- 05.9105.ES.DA
- 05.9105.EQ.DA

1-10V
- 05.9105.40.1V
- 05.9105.14.1V
- 05.9105.ER.1V
- 05.9105.ES.1V
- 05.9105.EQ.1V

Casambi integrated
- 05.9105.40.CB
- 05.9105.14.CB
- 05.9105.ER.CB
- 05.9105.ES.CB
- 05.9105.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle:	10°
h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

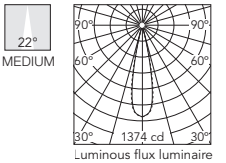
Optic Medium - 2700K

On board dimmer
- 05.9101.40
- 05.9101.14
- 05.9101.ER
- 05.9101.ES
- 05.9101.EQ

Dali 2
- 05.9101.40.DA
- 05.9101.14.DA
- 05.9101.ER.DA
- 05.9101.ES.DA
- 05.9101.EQ.DA

1-10V
- 05.9101.40.1V
- 05.9101.14.1V
- 05.9101.ER.1V
- 05.9101.ES.1V
- 05.9101.EQ.1V

Casambi integrated
- 05.9101.40.CB
- 05.9101.14.CB
- 05.9101.ER.CB
- 05.9101.ES.CB
- 05.9101.EQ.CB



Luminous flux luminaire 201 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

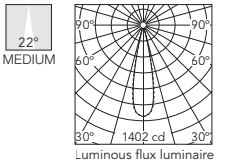
Optic Medium - 3000K

On board dimmer
- 05.9106.40
- 05.9106.14
- 05.9106.ER
- 05.9106.ES
- 05.9106.EQ

Dali 2
- 05.9106.40.DA
- 05.9106.14.DA
- 05.9106.ER.DA
- 05.9106.ES.DA
- 05.9106.EQ.DA

1-10V
- 05.9106.40.1V
- 05.9106.14.1V
- 05.9106.ER.1V
- 05.9106.ES.1V
- 05.9106.EQ.1V

Casambi integrated
- 05.9106.40.CB
- 05.9106.14.CB
- 05.9106.ER.CB
- 05.9106.ES.CB
- 05.9106.EQ.CB



Luminous flux luminaire 205 lm

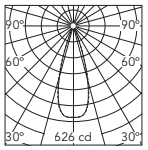
Beam Angle:	22°
h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

On board dimmer

- 05.9102.40
- 05.9102.14
- 05.9102.ER
- 05.9102.ES
- 05.9102.EQ





Luminous flux luminaire
200 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	625 0.60
2	156 1.19
3	69 1.79
4	39 2.39
5	25 2.99

Dali 2

- 05.9102.40.DA
- 05.9102.14.DA
- 05.9102.ER.DA
- 05.9102.ES.DA
- 05.9102.EQ.DA

1-10V

- 05.9102.40.1V
- 05.9102.14.1V
- 05.9102.ER.1V
- 05.9102.ES.1V
- 05.9102.EQ.1V

Casambi integrated

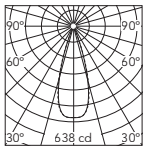
- 05.9102.40.CB
- 05.9102.14.CB
- 05.9102.ER.CB
- 05.9102.ES.CB
- 05.9102.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9107.40
- 05.9107.14
- 05.9107.ER
- 05.9107.ES
- 05.9107.EQ





Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	638 0.60
2	159 1.19
3	71 1.79
4	40 2.39
5	26 2.99

Dali 2

- 05.9107.40.DA
- 05.9107.14.DA
- 05.9107.ER.DA
- 05.9107.ES.DA
- 05.9107.EQ.DA

1-10V

- 05.9107.40.1V
- 05.9107.14.1V
- 05.9107.ER.1V
- 05.9107.ES.1V
- 05.9107.EQ.1V

Casambi integrated

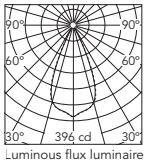
- 05.9107.40.CB
- 05.9107.14.CB
- 05.9107.ER.CB
- 05.9107.ES.CB
- 05.9107.EQ.CB

Optic Wide Flood - 2700K

On board dimmer

- 05.9103.40
- 05.9103.14
- 05.9103.ER
- 05.9103.ES
- 05.9103.EQ





Luminous flux luminaire
209 lm

Beam Angle:	46°
h(m)	E(lx) D(m)
1	396 0.84
2	99 1.69
3	44 2.53
4	25 3.38
5	16 4.22

Dali 2

- 05.9103.40.DA
- 05.9103.14.DA
- 05.9103.ER.DA
- 05.9103.ES.DA
- 05.9103.EQ.DA

1-10V

- 05.9103.40.1V
- 05.9103.14.1V
- 05.9103.ER.1V
- 05.9103.ES.1V
- 05.9103.EQ.1V

Casambi integrated

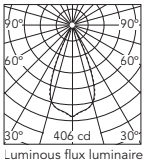
- 05.9103.40.CB
- 05.9103.14.CB
- 05.9103.ER.CB
- 05.9103.ES.CB
- 05.9103.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9108.40
- 05.9108.14
- 05.9108.ER
- 05.9108.ES
- 05.9108.EQ





Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx) D(m)
1	406 0.84
2	101 1.69
3	45 2.53
4	25 3.38
5	16 4.22

Dali 2

- 05.9108.40.DA
- 05.9108.14.DA
- 05.9108.ER.DA
- 05.9108.ES.DA
- 05.9108.EQ.DA

1-10V

- 05.9108.40.1V
- 05.9108.14.1V
- 05.9108.ER.1V
- 05.9108.ES.1V
- 05.9108.EQ.1V

Casambi integrated

- 05.9108.40.CB
- 05.9108.14.CB
- 05.9108.ER.CB
- 05.9108.ES.CB
- 05.9108.EQ.CB

Accessories / Accesorios

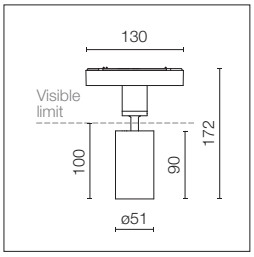
Light Shadow Spot 30

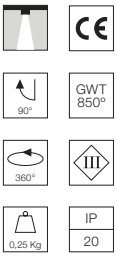
Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

Light Source: LED Array 10W - 756 lm - 2700K/CRI 90 / 10W - 799 lm - 3000K/CRI 90







LED accent lighting module for installation in The Running Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

Optic Spot - 2700K

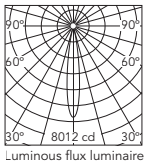
On board dimmer
- 05.9130.40
- 05.9130.14
- 05.9130.ER
- 05.9130.ES
- 05.9130.EQ

Dali 2
- 05.9130.40.DA
- 05.9130.14.DA
- 05.9130.ER.DA
- 05.9130.ES.DA
- 05.9130.EQ.DA

1-10V
- 05.9130.40.1V
- 05.9130.14.1V
- 05.9130.ER.1V
- 05.9130.ES.1V
- 05.9130.EQ.1V

Casambi integrated
- 05.9130.40.CB
- 05.9130.14.CB
- 05.9130.ER.CB
- 05.9130.ES.CB
- 05.9130.EQ.CB





Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Spot - 3000K

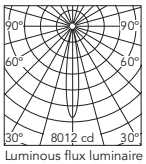
On board dimmer
- 05.9135.40
- 05.9135.14
- 05.9135.ER
- 05.9135.ES
- 05.9135.EQ

Dali 2
- 05.9135.40.DA
- 05.9135.14.DA
- 05.9135.ER.DA
- 05.9135.ES.DA
- 05.9135.EQ.DA

1-10V
- 05.9135.40.1V
- 05.9135.14.1V
- 05.9135.ER.1V
- 05.9135.ES.1V
- 05.9135.EQ.1V

Casambi integrated
- 05.9135.40.CB
- 05.9135.14.CB
- 05.9135.ER.CB
- 05.9135.ES.CB
- 05.9135.EQ.CB





Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

Optic Medium - 2700K

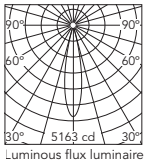
On board dimmer
- 05.9131.40
- 05.9131.14
- 05.9131.ER
- 05.9131.ES
- 05.9131.EQ

Dali 2
- 05.9131.40.DA
- 05.9131.14.DA
- 05.9131.ER.DA
- 05.9131.ES.DA
- 05.9131.EQ.DA

1-10V
- 05.9131.40.1V
- 05.9131.14.1V
- 05.9131.ER.1V
- 05.9131.ES.1V
- 05.9131.EQ.1V

Casambi integrated
- 05.9131.40.CB
- 05.9131.14.CB
- 05.9131.ER.CB
- 05.9131.ES.CB
- 05.9131.EQ.CB





Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

Optic Medium - 3000K

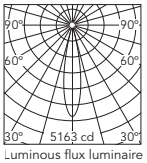
On board dimmer
- 05.9136.40
- 05.9136.14
- 05.9136.ER
- 05.9136.ES
- 05.9136.EQ

Dali 2
- 05.9136.40.DA
- 05.9136.14.DA
- 05.9136.ER.DA
- 05.9136.ES.DA
- 05.9136.EQ.DA

1-10V
- 05.9136.40.1V
- 05.9136.14.1V
- 05.9136.ER.1V
- 05.9136.ES.1V
- 05.9136.EQ.1V

Casambi integrated
- 05.9136.40.CB
- 05.9136.14.CB
- 05.9136.ER.CB
- 05.9136.ES.CB
- 05.9136.EQ.CB





Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

Optic Flood - 2700K

On board dimmer

- 05.9132.40
- 05.9132.14
- 05.9132.ER
- 05.9132.ES
- 05.9132.EQ

Dali 2

- 05.9132.40.DA
- 05.9132.14.DA
- 05.9132.ER.DA
- 05.9132.ES.DA
- 05.9132.EQ.DA

1-10V

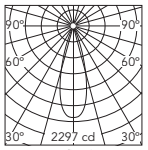
- 05.9132.40.1V
- 05.9132.14.1V
- 05.9132.ER.1V
- 05.9132.ES.1V
- 05.9132.EQ.1V

Casambi integrated

- 05.9132.40.CB
- 05.9132.14.CB
- 05.9132.ER.CB
- 05.9132.ES.CB
- 05.9132.EQ.CB



FLOOD



Luminous flux luminaire
646 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	2296 0.56
2	574 1.11
3	255 1.67
4	144 2.22
5	92 2.78

Optic Flood - 3000K

On board dimmer

- 05.9137.40
- 05.9137.14
- 05.9137.ER
- 05.9137.ES
- 05.9137.EQ

Dali 2

- 05.9137.40.DA
- 05.9137.14.DA
- 05.9137.ER.DA
- 05.9137.ES.DA
- 05.9137.EQ.DA

1-10V

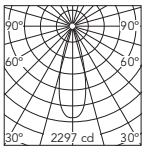
- 05.9137.40.1V
- 05.9137.14.1V
- 05.9137.ER.1V
- 05.9137.ES.1V
- 05.9137.EQ.1V

Casambi integrated

- 05.9137.40.CB
- 05.9137.14.CB
- 05.9137.ER.CB
- 05.9137.ES.CB
- 05.9137.EQ.CB



FLOOD



Luminous flux luminaire
646 lm

Beam Angle:	31°
h(m)	E(lx) D(m)
1	2296 0.56
2	574 1.11
3	255 1.67
4	144 2.22
5	92 2.78

Accessories / Accesorios

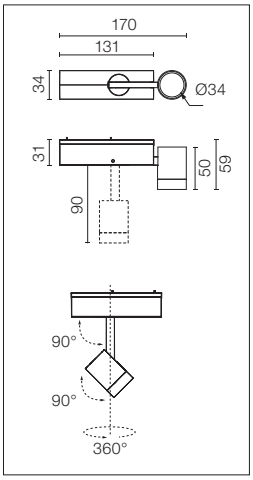
Light Shadow Spot 45

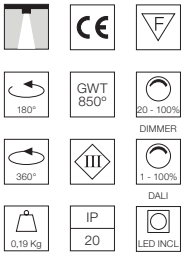
Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

Spot Module

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Maximum 64 spots for a single DALI controller.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

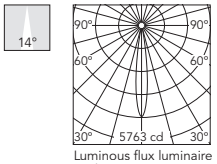
Máximo 64 spots para un mismo controlador DALI.

Ver accesorios disponibles.

2700K
On board dimmer
- 03.6303.14B

Dali 2
- 03.6303.14CDA

**Casambi Integrated
- 03.6303.14BCB



Luminous flux luminaire
403 lm

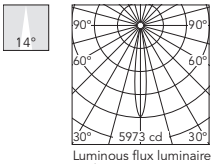
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5763	0.24
2	1441	0.49
3	640	0.73
4	360	0.98
5	231	1.22

3000K
On board dimmer
- 03.6302.14B

Dali 2
- 03.6302.14CDA

**Casambi Integrated
- 03.6302.14BCB



Luminous flux luminaire
418 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5973	0.24
2	1493	0.49
3	664	0.73
4	373	0.98
5	239	1.22

Accessories / Accesorios

Spot Module

Screening external ring for Running Magnet spot module in aluminium with a black finish to enhance the visual comfort.

Aro exterior apantallador para spot module Running Magnet realizado en aluminio y acabado en negro, para un incremento del confort visual.



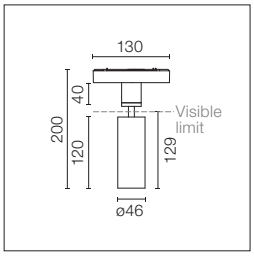
08.8427.14

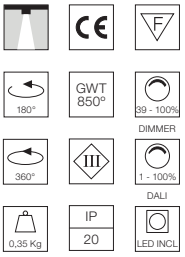
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 120

Light Source: Power LED 13W - 1003 lm - 2700K/CRI 90 / 1002 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI 2:
Maximum 14 spots for a single driver.
Spot Module DALI 2:
Maximum 11 spots for a single driver.

Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI 2:
Máximo 14 spots para un mismo driver.
Spot Module DALI 2:
Máximo 11 spots para un mismo driver.

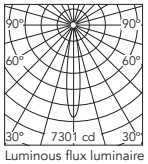
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K
On board dimmer
- ☐ 03.6285.40C
- ■ 03.6285.14C

Dali 2
- ☐ 03.6285.40CDA
- ■ 03.6285.14CDA

**Casambi Integrated
- ☐ 03.6285.40CCB
- ■ 03.6285.14CCB

16° SPOT



Luminous flux luminaire
773 lm

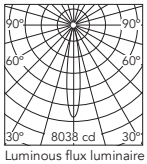
Beam Angle:		16°
h(m)	E(lx)	D(m)
1	7301	0.28
2	1825	0.57
3	811	0.85
4	456	1.14
5	292	1.42

3000K
On board dimmer
- ☐ 03.6284.40C
- ■ 03.6284.14C

Dali 2
- ☐ 03.6284.40CDA
- ■ 03.6284.14CDA

**Casambi Integrated
- ☐ 03.6284.40CCB
- ■ 03.6284.14CCB

16° SPOT



Luminous flux luminaire
851 lm

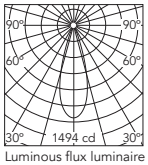
Beam Angle:		16°
h(m)	E(lx)	D(m)
1	8038	0.28
2	2009	0.57
3	893	0.85
4	502	1.14
5	322	1.42

2700K
On board dimmer
- ☐ 03.6286.40C
- ■ 03.6286.14C

Dali 2
- ☐ 03.6286.40CDA
- ■ 03.6286.14CDA

**Casambi Integrated
- ☐ 03.6286.40CCB
- ■ 03.6286.14CCB

32° MEDIUM



Luminous flux luminaire
448 lm

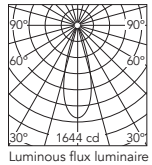
Beam Angle:		32°
h(m)	E(lx)	D(m)
1	1494	0.57
2	374	1.14
3	166	1.71
4	93	2.27
5	60	2.84

3000K
On board dimmer
- ☐ 03.6287.40C
- ■ 03.6287.14C

Dali 2
- ☐ 03.6287.40CDA
- ■ 03.6287.14CDA

**Casambi Integrated
- ☐ 03.6287.40CCB
- ■ 03.6287.14CCB

32° MEDIUM



Luminous flux luminaire
493 lm

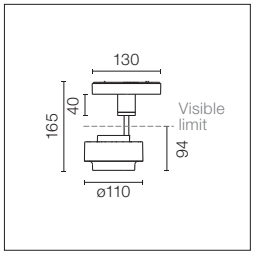
Beam Angle:		32°
h(m)	E(lx)	D(m)
1	1644	0.57
2	411	1.14
3	183	1.71
4	103	2.27
5	66	2.84

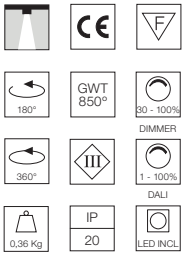
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Anthony Spot Track By Antonio Citterio

Light Source: Power LED 14W - 1045 lm - 2700K/CRI 90 / 14W - 1308 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 9 spots for a single driver.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

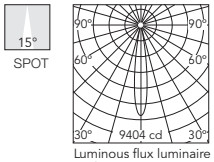
Spot Module No DALI:
Máximo 9 spots para un mismo driver.

Ver accesorios disponibles.

2700K
On board dimmer
- 03.6277.40B
- 03.6277.14B

Dali 2
- 03.6277.40BDA
- 03.6277.14BDA

**Casambi Integrated
- 03.6277.40BCB
- 03.6277.14BCB



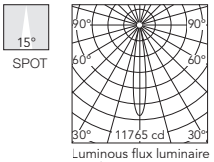
Luminous flux luminaire
847 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	9404	0.27
2	2351	0.54
3	1045	0.81
4	588	1.08
5	376	1.35

3000K
On board dimmer
- 03.6274.40B
- 03.6274.14B

Dali 2
- 03.6274.40BDA
- 03.6274.14BDA

**Casambi Integrated
- 03.6274.40BCB
- 03.6274.14BCB



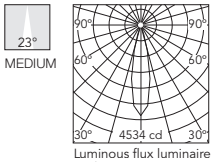
Luminous flux luminaire
1060 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	11765	0.27
2	2941	0.54
3	1307	0.81
4	735	1.08
5	471	1.35

2700K
On board dimmer
- 03.6278.40B
- 03.6278.14B

Dali 2
- 03.6278.40BDA
- 03.6278.14BDA

**Casambi Integrated
- 03.6278.40BCB
- 03.6278.14BCB



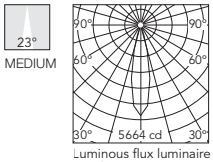
Luminous flux luminaire
870 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	4534	0.40
2	1134	0.81
3	504	1.21
4	283	1.61
5	181	2.02

3000K
On board dimmer
- 03.6275.40B
- 03.6275.14B

Dali 2
- 03.6275.40BDA
- 03.6275.14BDA

**Casambi Integrated
- 03.6275.40BCB
- 03.6275.14BCB



Luminous flux luminaire
1087 lm

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	5664	0.40
2	1416	0.81
3	629	1.21
4	354	1.61
5	227	2.02

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Accessories / Accesorios

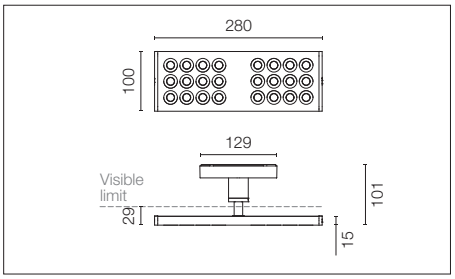
Anthony Spot Track

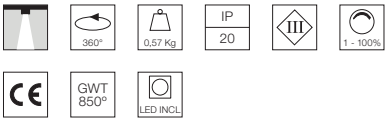
Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35º) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35º) pedir Anthony Spot Medium + lente flood.		08.0050.00

Workmates Small

Light Source: Top LED High Efficiency
Non Dimming / 1-10V: 10W - 1382 lm - 3000K/CRI 90 / 1416 lm - 3500K/CRI 90 / 1440 lm - 4000K/CRI 90
Dali 2 / Casambi: 10,5W - 1382 lm - 3000K/CRI 90 / 1416 lm - 3500K/CRI 90 / 1440 lm - 4000K/CRI 90







Luminaire for use on The Running Magnet system. High-efficiency light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, máximum distance between fixtures: 50m.

Luminaria para aplicación en el sistema The Running Magnet. Fuente de luz de alta eficiencia. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

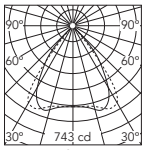
Non Dimming
- 05.6420.40
- 05.6420.40.78
- 05.6420.14
- 05.6420.AP

Dali 2
- 05.6420.40.DA
- 05.6420.40.YU
- 05.6420.14.DA
- 05.6420.AP.DA

1-10V
- 05.6420.40.1V
- 05.6420.40.RX
- 05.6420.14.1V
- 05.6420.AP.1V

Casambi
- 05.6420.40.CB
- 05.6420.40.C6
- 05.6420.14.CB
- 05.6420.AP.CB





Luminous flux luminaire
1022 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	661	1.55
2	165	3.10
3	73	4.66
4	41	6.21
5	26	7.76

Optic Wide Flood - 4000K

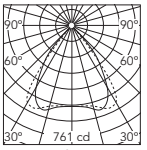
Non Dimming
- 05.6422.40
- 05.6422.40.78
- 05.6422.14
- 05.6422.AP

Dali 2
- 05.6422.40.DA
- 05.6422.40.YU
- 05.6422.14.DA
- 05.6422.AP.DA

1-10V
- 05.6422.40.1V
- 05.6422.40.RX
- 05.6422.14.1V
- 05.6422.AP.1V

Casambi
- 05.6422.40.CB
- 05.6422.40.C6
- 05.6422.14.CB
- 05.6422.AP.CB





Luminous flux luminaire
1046 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	676	1.55
2	169	3.10
3	75	4.66
4	42	6.21
5	27	7.76

Optic Wide Flood - 3500K

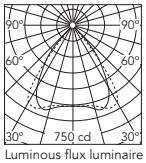
Non Dimming
- 05.6421.40
- 05.6421.40.78
- 05.6421.14
- 05.6421.AP

Dali 2
- 05.6421.40.DA
- 05.6421.40.YU
- 05.6421.14.DA
- 05.6421.AP.DA

1-10V
- 05.6421.40.1V
- 05.6421.40.RX
- 05.6421.14.1V
- 05.6421.AP.1V

Casambi
- 05.6421.40.CB
- 05.6421.40.C6
- 05.6421.14.CB
- 05.6421.AP.CB





Luminous flux luminaire
1031 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	666	1.55
2	167	3.10
3	74	4.66
4	42	6.21
5	27	7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6425.40
- 05.6425.40.78
- 05.6425.14
- 05.6425.AP

Dali 2

- 05.6425.40.DA
- 05.6425.40.YU
- 05.6425.14.DA
- 05.6425.AP.DA

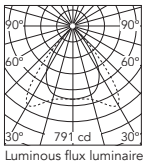
1-10V

- 05.6425.40.1V
- 05.6425.40.RX
- 05.6425.14.1V
- 05.6425.AP.1V

Casambi

- 05.6425.40.CB
- 05.6425.40.C6
- 05.6425.14.CB
- 05.6425.AP.CB

72° OVAL



Luminous flux luminaire
994 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	633	1.45
2	158	2.89
3	70	4.34
4	40	5.78
5	25	7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5920.40
- 05.5920.40.78
- 05.5920.14
- 05.5920.AP

Dali 2

- 05.5920.40.DA
- 05.5920.40.YU
- 05.5920.14.DA
- 05.5920.AP.DA

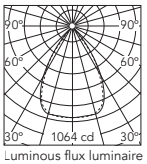
1-10V

- 05.5920.40.1V
- 05.5920.40.RX
- 05.5920.14.1V
- 05.5920.AP.1V

Casambi

- 05.5920.40.CB
- 05.5920.40.C6
- 05.5920.14.CB
- 05.5920.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1104 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1062	1.31
2	266	2.61
3	118	3.92
4	66	5.23
5	42	6.54

Optic Oval - 3500K

Non Dimming

- 05.6426.40
- 05.6426.40.78
- 05.6426.14
- 05.6426.AP

Dali 2

- 05.6426.40.DA
- 05.6426.40.YU
- 05.6426.14.DA
- 05.6426.AP.DA

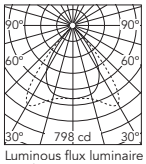
1-10V

- 05.6426.40.1V
- 05.6426.40.RX
- 05.6426.14.1V
- 05.6426.AP.1V

Casambi

- 05.6426.40.CB
- 05.6426.40.C6
- 05.6426.14.CB
- 05.6426.AP.CB

72° OVAL



Luminous flux luminaire
1003 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	639	1.45
2	160	2.89
3	71	4.34
4	40	5.78
5	26	7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5921.40
- 05.5921.40.78
- 05.5921.14
- 05.5921.AP

Dali 2

- 05.5921.40.DA
- 05.5921.40.YU
- 05.5921.14.DA
- 05.5921.AP.DA

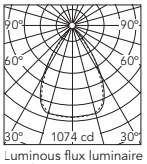
1-10V

- 05.5921.40.1V
- 05.5921.40.RX
- 05.5921.14.1V
- 05.5921.AP.1V

Casambi

- 05.5921.40.CB
- 05.5921.40.C6
- 05.5921.14.CB
- 05.5921.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1115 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1073	1.31
2	268	2.61
3	119	3.92
4	67	5.23
5	43	6.54

Optic Oval - 4000K

Non Dimming

- 05.6427.40
- 05.6427.40.78
- 05.6427.14
- 05.6427.AP

Dali 2

- 05.6427.40.DA
- 05.6427.40.YU
- 05.6427.14.DA
- 05.6427.AP.DA

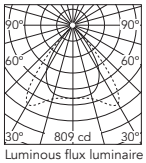
1-10V

- 05.6427.40.1V
- 05.6427.40.RX
- 05.6427.14.1V
- 05.6427.AP.1V

Casambi

- 05.6427.40.CB
- 05.6427.40.C6
- 05.6427.14.CB
- 05.6427.AP.CB

72° OVAL



Luminous flux luminaire
1017 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	648	1.45
2	162	2.89
3	72	4.34
4	40	5.78
5	26	7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5922.40
- 05.5922.40.78
- 05.5922.14
- 05.5922.AP

Dali 2

- 05.5922.40.DA
- 05.5922.40.YU
- 05.5922.14.DA
- 05.5922.AP.DA

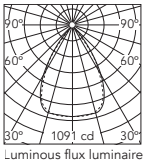
1-10V

- 05.5922.40.1V
- 05.5922.40.RX
- 05.5922.14.1V
- 05.5922.AP.1V

Casambi

- 05.5922.40.CB
- 05.5922.40.C6
- 05.5922.14.CB
- 05.5922.AP.CB

66° HIGH COMFORT



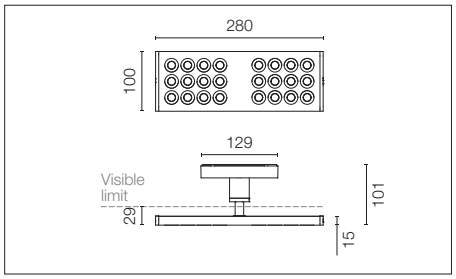
Luminous flux luminaire
1133 lm

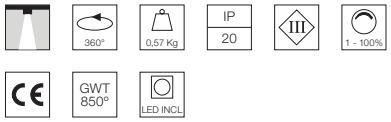
Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1090	1.31
2	272	2.61
3	121	3.92
4	68	5.23
5	44	6.54

Workmates Small

Light Source: Top LED Full Spectrum
Non Dimming / 1-10V: 10W - 1013 lm - 3000K/CRI 98 / 1021 lm - 3500K/CRI 98 / 1032 lm - 4000K/CRI 98
Dali 2 / Casambi: 10,5W - 1013 lm - 3000K/CRI 98 / 1021 lm - 3500K/CRI 98 / 1032 lm - 4000K/CRI 98







Luminaire for use on The Running Magnet system. High-quality colour rendering Full Spectrum light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, máximum distance between fixtures: 50m.

Luminaria para aplicación en el sistema The Running Magnet. Fuente de luz Full Spectrum de alta calidad en la reproducción cromática. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

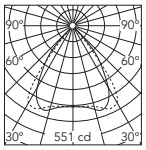
Non Dimming
- 05.6430.40
- 05.6430.40.78
- 05.6430.14
- 05.6430.AP

Dali 2
- 05.6430.40.DA
- 05.6430.40.YU
- 05.6430.14.DA
- 05.6430.AP.DA

1-10V
- 05.6430.40.1V
- 05.6430.40.RX
- 05.6430.14.1V
- 05.6430.AP.1V

Casambi
- 05.6430.40.CB
- 05.6430.40.C6
- 05.6430.14.CB
- 05.6430.AP.CB





Luminous flux luminaire
758 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	490	1.55
2	122	3.10
3	54	4.66
4	31	6.21
5	20	7.76

Optic Wide Flood - 3500K

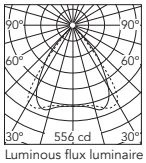
Non Dimming
- 05.6431.40
- 05.6431.40.78
- 05.6431.14
- 05.6431.AP

Dali 2
- 05.6431.40.DA
- 05.6431.40.YU
- 05.6431.14.DA
- 05.6431.AP.DA

1-10V
- 05.6431.40.1V
- 05.6431.40.RX
- 05.6431.14.1V
- 05.6431.AP.1V

Casambi
- 05.6431.40.CB
- 05.6431.40.C6
- 05.6431.14.CB
- 05.6431.AP.CB





Luminous flux luminaire
764 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	494	1.55
2	123	3.10
3	55	4.66
4	31	6.21
5	20	7.76

Optic Wide Flood - 4000K

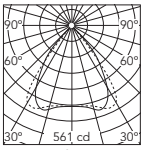
Non Dimming
- 05.6432.40
- 05.6432.40.78
- 05.6432.14
- 05.6432.AP

Dali 2
- 05.6432.40.DA
- 05.6432.40.YU
- 05.6432.14.DA
- 05.6432.AP.DA

1-10V
- 05.6432.40.1V
- 05.6432.40.RX
- 05.6432.14.1V
- 05.6432.AP.1V

Casambi
- 05.6432.40.CB
- 05.6432.40.C6
- 05.6432.14.CB
- 05.6432.AP.CB





Luminous flux luminaire
771 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	498	1.55
2	125	3.10
3	55	4.66
4	31	6.21
5	20	7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6435.40
- 05.6435.40.78
- 05.6435.14
- 05.6435.AP

Dali 2

- 05.6435.40.DA
- 05.6435.40.YU
- 05.6435.14.DA
- 05.6435.AP.DA

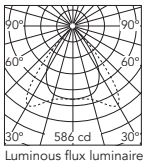
1-10V

- 05.6435.40.1V
- 05.6435.40.RX
- 05.6435.14.1V
- 05.6435.AP.1V

Casambi

- 05.6435.40.CB
- 05.6435.40.C6
- 05.6435.14.CB
- 05.6435.AP.CB

72° OVAL



Luminous flux luminaire
737 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	469 1.45
2	117 2.89
3	52 4.34
4	29 5.78
5	19 7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5930.40
- 05.5930.40.78
- 05.5930.14
- 05.5930.AP

Dali 2

- 05.5930.40.DA
- 05.5930.40.YU
- 05.5930.14.DA
- 05.5930.AP.DA

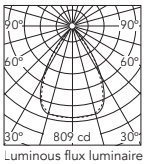
1-10V

- 05.5930.40.1V
- 05.5930.40.RX
- 05.5930.14.1V
- 05.5930.AP.1V

Casambi

- 05.5930.40.CB
- 05.5930.40.C6
- 05.5930.14.CB
- 05.5930.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
840 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	808 1.31
2	202 2.61
3	90 3.92
4	51 5.23
5	32 6.54

Optic Oval - 3500K

Non Dimming

- 05.6436.40
- 05.6436.40.78
- 05.6436.14
- 05.6436.AP

Dali 2

- 05.6436.40.DA
- 05.6436.40.YU
- 05.6436.14.DA
- 05.6436.AP.DA

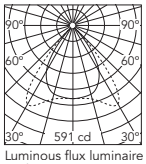
1-10V

- 05.6436.40.1V
- 05.6436.40.RX
- 05.6436.14.1V
- 05.6436.AP.1V

Casambi

- 05.6436.40.CB
- 05.6436.40.C6
- 05.6436.14.CB
- 05.6436.AP.CB

72° OVAL



Luminous flux luminaire
743 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	473 1.45
2	118 2.89
3	53 4.34
4	30 5.78
5	19 7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5931.40
- 05.5931.40.78
- 05.5931.14
- 05.5931.AP

Dali 2

- 05.5931.40.DA
- 05.5931.40.YU
- 05.5931.14.DA
- 05.5931.AP.DA

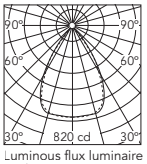
1-10V

- 05.5931.40.1V
- 05.5931.40.RX
- 05.5931.14.1V
- 05.5931.AP.1V

Casambi

- 05.5931.40.CB
- 05.5931.40.C6
- 05.5931.14.CB
- 05.5931.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
851 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	819 1.31
2	205 2.61
3	91 3.92
4	51 5.23
5	33 6.54

Optic Oval - 4000K

Non Dimming

- 05.6437.40
- 05.6437.40.78
- 05.6437.14
- 05.6437.AP

Dali 2

- 05.6437.40.DA
- 05.6437.40.YU
- 05.6437.14.DA
- 05.6437.AP.DA

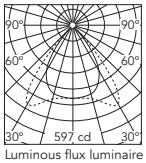
1-10V

- 05.6437.40.1V
- 05.6437.40.RX
- 05.6437.14.1V
- 05.6437.AP.1V

Casambi

- 05.6437.40.CB
- 05.6437.40.C6
- 05.6437.14.CB
- 05.6437.AP.CB

72° OVAL



Luminous flux luminaire
750 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	478 1.45
2	119 2.89
3	53 4.34
4	30 5.78
5	19 7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5932.40
- 05.5932.40.78
- 05.5932.14
- 05.5932.AP

Dali 2

- 05.5932.40.DA
- 05.5932.40.YU
- 05.5932.14.DA
- 05.5932.AP.DA

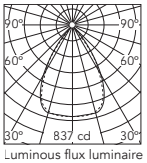
1-10V

- 05.5932.40.1V
- 05.5932.40.RX
- 05.5932.14.1V
- 05.5932.AP.1V

Casambi

- 05.5932.40.CB
- 05.5932.40.C6
- 05.5932.14.CB
- 05.5932.AP.CB

66° HIGH COMFORT



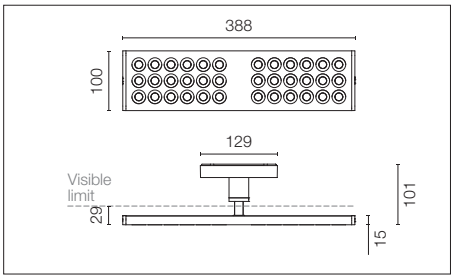
Luminous flux luminaire
869 lm

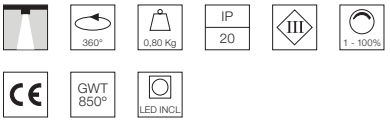
Beam Angle:	66°
h(m)	E(lx) D(m)
1	836 1.31
2	209 2.61
3	93 3.92
4	52 5.23
5	33 6.54

Workmates Large

Light Source: Top LED High Efficiency
Non Dimming / 1-10V: 12,5W - 1853 lm - 3000K/CRI 90 / 1886 lm - 3500K/CRI 90 / 1896 lm - 4000K/CRI 90
Dali 2 / Casambi: 13,5W - 1853 lm - 3000K/CRI 90 / 1886 lm - 3500K/CRI 90 / 1896 lm - 4000K/CRI 90







Luminaire for use on The Running Magnet system. High-efficiency light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, máximum distance between fixtures: 50m.

Luminaria para aplicación en el sistema The Running Magnet. Fuente de luz de alta eficiencia. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

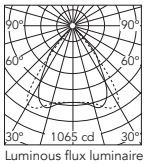
Non Dimming
- 05.6440.40
- 05.6440.40.78
- 05.6440.14
- 05.6440.AP

Dali 2
- 05.6440.40.DA
- 05.6440.40.YU
- 05.6440.14.DA
- 05.6440.AP.DA

1-10V
- 05.6440.40.1V
- 05.6440.40.RX
- 05.6440.14.1V
- 05.6440.AP.1V

Casambi
- 05.6440.40.CB
- 05.6440.40.C6
- 05.6440.14.CB
- 05.6440.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 1411 lm

Beam Angle:	74°	
h(m)	E(lx)	D(m)
1	893	1.50
2	223	3.00
3	99	4.51
4	56	6.01
5	36	7.51

Optic Wide Flood - 4000K

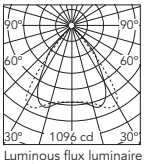
Non Dimming
- 05.6442.40
- 05.6442.40.78
- 05.6442.14
- 05.6442.AP

Dali 2
- 05.6442.40.DA
- 05.6442.40.YU
- 05.6442.14.DA
- 05.6442.AP.DA

1-10V
- 05.6442.40.1V
- 05.6442.40.RX
- 05.6442.14.1V
- 05.6442.AP.1V

Casambi
- 05.6442.40.CB
- 05.6442.40.C6
- 05.6442.14.CB
- 05.6442.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 1453 lm

Beam Angle:	74°	
h(m)	E(lx)	D(m)
1	920	1.50
2	230	3.00
3	102	4.51
4	57	6.01
5	37	7.51

Optic Wide Flood - 3500K

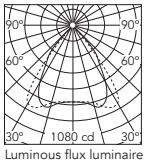
Non Dimming
- 05.6441.40
- 05.6441.40.78
- 05.6441.14
- 05.6441.AP

Dali 2
- 05.6441.40.DA
- 05.6441.40.YU
- 05.6441.14.DA
- 05.6441.AP.DA

1-10V
- 05.6441.40.1V
- 05.6441.40.RX
- 05.6441.14.1V
- 05.6441.AP.1V

Casambi
- 05.6441.40.CB
- 05.6441.40.C6
- 05.6441.14.CB
- 05.6441.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 1432 lm

Beam Angle:	74°	
h(m)	E(lx)	D(m)
1	906	1.50
2	227	3.00
3	101	4.51
4	57	6.01
5	36	7.51

NEW

Optic Oval - 3000K

Non Dimming

- 05.6445.40
- 05.6445.40.78
- 05.6445.14
- 05.6445.AP

Dali 2

- 05.6445.40.DA
- 05.6445.40.YU
- 05.6445.14.DA
- 05.6445.AP.DA

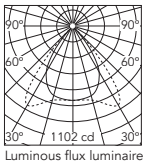
1-10V

- 05.6445.40.1V
- 05.6445.40.RX
- 05.6445.14.1V
- 05.6445.AP.1V

Casambi

- 05.6445.40.CB
- 05.6445.40.C6
- 05.6445.14.CB
- 05.6445.AP.CB

72° OVAL



Luminous flux luminaire
1396 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	894 1.45
2	224 2.89
3	99 4.34
4	56 5.79
5	36 7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5940.40
- 05.5940.40.78
- 05.5940.14
- 05.5940.AP

Dali 2

- 05.5940.40.DA
- 05.5940.40.YU
- 05.5940.14.DA
- 05.5940.AP.DA

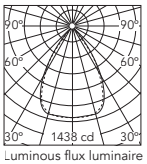
1-10V

- 05.5940.40.1V
- 05.5940.40.RX
- 05.5940.14.1V
- 05.5940.AP.1V

Casambi

- 05.5940.40.CB
- 05.5940.40.C6
- 05.5940.14.CB
- 05.5940.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1493 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1436 1.31
2	359 2.61
3	160 3.92
4	90 5.23
5	57 6.54

Optic Oval - 3500K

Non Dimming

- 05.6446.40
- 05.6446.40.78
- 05.6446.14
- 05.6446.AP

Dali 2

- 05.6446.40.DA
- 05.6446.40.YU
- 05.6446.14.DA
- 05.6446.AP.DA

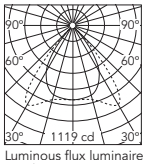
1-10V

- 05.6446.40.1V
- 05.6446.40.RX
- 05.6446.14.1V
- 05.6446.AP.1V

Casambi

- 05.6446.40.CB
- 05.6446.40.C6
- 05.6446.14.CB
- 05.6446.AP.CB

72° OVAL



Luminous flux luminaire
1417 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	908 1.45
2	227 2.89
3	101 4.34
4	57 5.79
5	36 7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5941.40
- 05.5941.40.78
- 05.5941.14
- 05.5941.AP

Dali 2

- 05.5941.40.DA
- 05.5941.40.YU
- 05.5941.14.DA
- 05.5941.AP.DA

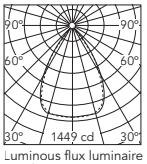
1-10V

- 05.5941.40.1V
- 05.5941.40.RX
- 05.5941.14.1V
- 05.5941.AP.1V

Casambi

- 05.5941.40.CB
- 05.5941.40.C6
- 05.5941.14.CB
- 05.5941.AP.CB

66° HIGH COMFORT



Luminous flux luminaire
1504 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1447 1.31
2	362 2.61
3	161 3.92
4	90 5.23
5	58 6.54

Optic Oval - 4000K

Non Dimming

- 05.6447.40
- 05.6447.40.78
- 05.6447.14
- 05.6447.AP

Dali 2

- 05.6447.40.DA
- 05.6447.40.YU
- 05.6447.14.DA
- 05.6447.AP.DA

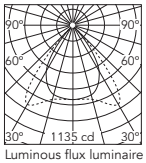
1-10V

- 05.6447.40.1V
- 05.6447.40.RX
- 05.6447.14.1V
- 05.6447.AP.1V

Casambi

- 05.6447.40.CB
- 05.6447.40.C6
- 05.6447.14.CB
- 05.6447.AP.CB

72° OVAL



Luminous flux luminaire
1438 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	921 1.45
2	230 2.89
3	102 4.34
4	58 5.79
5	37 7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5942.40
- 05.5942.40.78
- 05.5942.14
- 05.5942.AP

Dali 2

- 05.5942.40.DA
- 05.5942.40.YU
- 05.5942.14.DA
- 05.5942.AP.DA

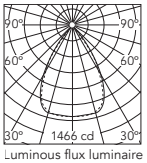
1-10V

- 05.5942.40.1V
- 05.5942.40.RX
- 05.5942.14.1V
- 05.5942.AP.1V

Casambi

- 05.5942.40.CB
- 05.5942.40.C6
- 05.5942.14.CB
- 05.5942.AP.CB

66° HIGH COMFORT



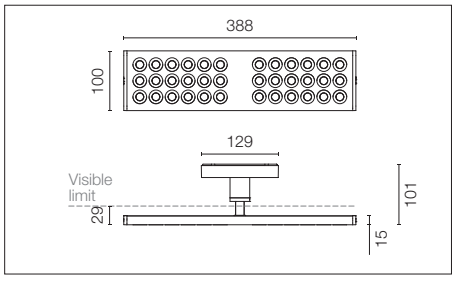
Luminous flux luminaire
1522 lm

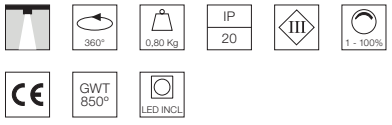
Beam Angle:	66°
h(m)	E(lx) D(m)
1	1464 1.31
2	366 2.61
3	163 3.92
4	92 5.23
5	59 6.54

Workmates Large

Light Source: Top LED Full Spectrum
Non Dimming / 1-10V: 12,5W - 1358 lm - 3000K/CRI 98 / 1368 lm - 3500K/CRI 98 / 1382 lm - 4000K/CRI 98
Dali 2 / Casambi: 13,5W - 1358 lm - 3000K/CRI 98 / 1368 lm - 3500K/CRI 98 / 1382 lm - 4000K/CRI 98







Luminaire for use on The Running Magnet system. High-quality colour rendering Full Spectrum light source. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, máximum distance between fixtures: 50m.

Luminaria para aplicación en el sistema The Running Magnet. Fuente de luz Full Spectrum de alta calidad en la reproducción cromática. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

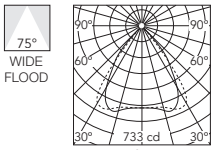
Optic Wide Flood - 3000K

Non Dimming
- 05.6450.40
- 05.6450.40.78
- 05.6450.14
- 05.6450.AP

Dali 2
- 05.6450.40.DA
- 05.6450.40.YU
- 05.6450.14.DA
- 05.6450.AP.DA

1-10V
- 05.6450.40.1V
- 05.6450.40.RX
- 05.6450.14.1V
- 05.6450.AP.1V

Casambi
- 05.6450.40.CB
- 05.6450.40.C6
- 05.6450.14.CB
- 05.6450.AP.CB



Luminous flux luminaire
1005 lm

Beam Angle:	75°	
h(m)	E(lx)	D(m)
1	659	1.52
2	165	3.05
3	73	4.57
4	41	6.10
5	26	7.62

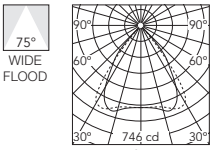
Optic Wide Flood - 4000K

Non Dimming
- 05.6452.40
- 05.6452.40.78
- 05.6452.14
- 05.6452.AP

Dali 2
- 05.6452.40.DA
- 05.6452.40.YU
- 05.6452.14.DA
- 05.6452.AP.DA

1-10V
- 05.6452.40.1V
- 05.6452.40.RX
- 05.6452.14.1V
- 05.6452.AP.1V

Casambi
- 05.6452.40.CB
- 05.6452.40.C6
- 05.6452.14.CB
- 05.6452.AP.CB



Luminous flux luminaire
1022 lm

Beam Angle:	75°	
h(m)	E(lx)	D(m)
1	670	1.52
2	168	3.05
3	74	4.57
4	42	6.10
5	27	7.62

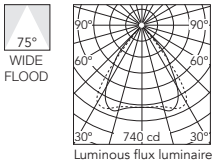
Optic Wide Flood - 3500K

Non Dimming
- 05.6451.40
- 05.6451.40.78
- 05.6451.14
- 05.6451.AP

Dali 2
- 05.6451.40.DA
- 05.6451.40.YU
- 05.6451.14.DA
- 05.6451.AP.DA

1-10V
- 05.6451.40.1V
- 05.6451.40.RX
- 05.6451.14.1V
- 05.6451.AP.1V

Casambi
- 05.6451.40.CB
- 05.6451.40.C6
- 05.6451.14.CB
- 05.6451.AP.CB



Luminous flux luminaire
1014 lm

Beam Angle:	75°	
h(m)	E(lx)	D(m)
1	665	1.52
2	166	3.05
3	74	4.57
4	42	6.10
5	27	7.62

NEW

Optic Oval - 3000K

Non Dimming

- 05.6455.40
- 05.6455.40.78
- 05.6455.14
- 05.6455.AP

Dali 2

- 05.6455.40.DA
- 05.6455.40.YU
- 05.6455.14.DA
- 05.6455.AP.DA

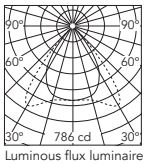
1-10V

- 05.6455.40.1V
- 05.6455.40.RX
- 05.6455.14.1V
- 05.6455.AP.1V

Casambi

- 05.6455.40.CB
- 05.6455.40.C6
- 05.6455.14.CB
- 05.6455.AP.CB

72° OVAL



Luminous flux luminaire 995 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	637	1.45
2	159	2.89
3	71	4.34
4	40	5.79
5	25	7.23

Optic High Comfort - 3000K

Non Dimming

- 05.5950.40
- 05.5950.40.78
- 05.5950.14
- 05.5950.AP

Dali 2

- 05.5950.40.DA
- 05.5950.40.YU
- 05.5950.14.DA
- 05.5950.AP.DA

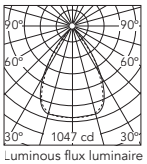
1-10V

- 05.5950.40.1V
- 05.5950.40.RX
- 05.5950.14.1V
- 05.5950.AP.1V

Casambi

- 05.5950.40.CB
- 05.5950.40.C6
- 05.5950.14.CB
- 05.5950.AP.CB

66° HIGH COMFORT



Luminous flux luminaire 1087 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1046	1.31
2	261	2.61
3	116	3.92
4	65	5.23
5	42	6.54

Optic Oval - 3500K

Non Dimming

- 05.6456.40
- 05.6456.40.78
- 05.6456.14
- 05.6456.AP

Dali 2

- 05.6456.40.DA
- 05.6456.40.YU
- 05.6456.14.DA
- 05.6456.AP.DA

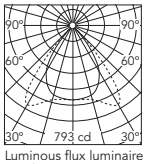
1-10V

- 05.6456.40.1V
- 05.6456.40.RX
- 05.6456.14.1V
- 05.6456.AP.1V

Casambi

- 05.6456.40.CB
- 05.6456.40.C6
- 05.6456.14.CB
- 05.6456.AP.CB

72° OVAL



Luminous flux luminaire 1004 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	643	1.45
2	161	2.89
3	71	4.34
4	40	5.79
5	26	7.23

Optic High Comfort - 3500K

Non Dimming

- 05.5951.40
- 05.5951.40.78
- 05.5951.14
- 05.5951.AP

Dali 2

- 05.5951.40.DA
- 05.5951.40.YU
- 05.5951.14.DA
- 05.5951.AP.DA

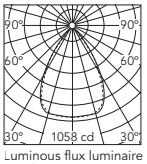
1-10V

- 05.5951.40.1V
- 05.5951.40.RX
- 05.5951.14.1V
- 05.5951.AP.1V

Casambi

- 05.5951.40.CB
- 05.5951.40.C6
- 05.5951.14.CB
- 05.5951.AP.CB

66° HIGH COMFORT



Luminous flux luminaire 1098 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1056	1.31
2	264	2.61
3	117	3.92
4	66	5.23
5	42	6.54

Optic Oval - 4000K

Non Dimming

- 05.6457.40
- 05.6457.40.78
- 05.6457.14
- 05.6457.AP

Dali 2

- 05.6457.40.DA
- 05.6457.40.YU
- 05.6457.14.DA
- 05.6457.AP.DA

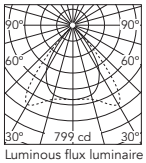
1-10V

- 05.6457.40.1V
- 05.6457.40.RX
- 05.6457.14.1V
- 05.6457.AP.1V

Casambi

- 05.6457.40.CB
- 05.6457.40.C6
- 05.6457.14.CB
- 05.6457.AP.CB

72° OVAL



Luminous flux luminaire 1012 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	648	1.45
2	162	2.89
3	72	4.34
4	41	5.79
5	26	7.23

Optic High Comfort - 4000K

Non Dimming

- 05.5952.40
- 05.5952.40.78
- 05.5952.14
- 05.5952.AP

Dali 2

- 05.5952.40.DA
- 05.5952.40.YU
- 05.5952.14.DA
- 05.5952.AP.DA

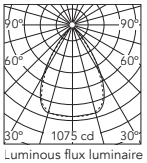
1-10V

- 05.5952.40.1V
- 05.5952.40.RX
- 05.5952.14.1V
- 05.5952.AP.1V

Casambi

- 05.5952.40.CB
- 05.5952.40.C6
- 05.5952.14.CB
- 05.5952.AP.CB

66° HIGH COMFORT



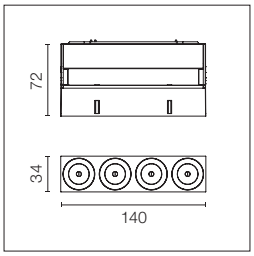
Luminous flux luminaire 1116 lm

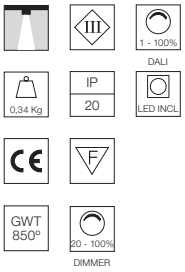
Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1074	1.31
2	268	2.61
3	119	3.92
4	67	5.23
5	43	6.54

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

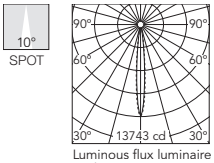
E= External Finish
I= Internal Finish

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I On board dimmer
03.8948.40A
03.8948.14A
E I Dali 2
03.8948.40BDA
03.8948.14BDA
E I **Casambi Integrated
03.8948.40ACB
03.8948.14ACB



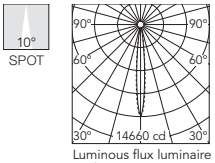
Luminous flux luminaire
751 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I On board dimmer
03.8952.40A
03.8952.14A
E I Dali 2
03.8952.40BDA
03.8952.14BDA
E I **Casambi Integrated
03.8952.40ACB
03.8952.14ACB



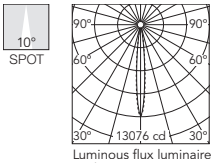
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

2700K

E I On board dimmer
03.8949.40A
03.8949.14A
E I Dali 2
03.8949.40BDA
03.8949.14BDA
E I **Casambi Integrated
03.8949.40ACB
03.8949.14ACB



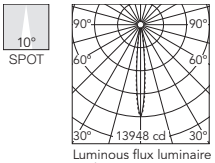
Luminous flux luminaire
724 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

3000K

E I On board dimmer
03.8953.40A
03.8953.14A
E I Dali 2
03.8953.40BDA
03.8953.14BDA
E I **Casambi Integrated
03.8953.40ACB
03.8953.14ACB



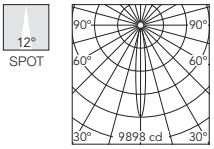
Luminous flux luminaire
773 lm (EXTREME CUT OFF)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

2700K

E I On board dimmer
05.1800.40A
05.1800.14A
E I Dali 2
05.1800.40ADA
05.1800.14ADA
E I **Casambi Integrated
05.1800.40ACB
05.1800.14ACB



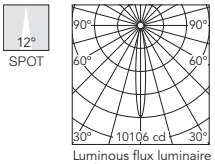
Luminous flux luminaire
789 lm (EXTREME CUT OFF)

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	9898	0.22
2	2475	0.44
3	1100	0.66
4	618	0.88
5	396	1.09

3000K

E I On board dimmer
05.1805.40A
05.1805.14A
E I Dali 2
05.1805.40ADA
05.1805.14ADA
E I **Casambi Integrated
05.1805.40ACB
05.1805.14ACB



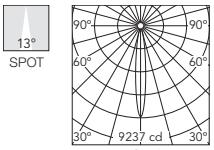
Luminous flux luminaire
805 lm (EXTREME CUT OFF)

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	10106	0.22
2	2527	0.44
3	1123	0.66
4	631	0.88
5	404	1.09

2700K

E I On board dimmer
05.1801.40A
05.1801.14A
E I Dali 2
05.1801.40ADA
05.1801.14ADA
E I **Casambi Integrated
05.1801.40ACB
05.1801.14ACB



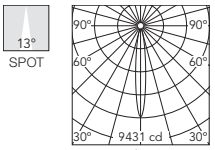
Luminous flux luminaire
784 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	9237	0.23
2	2309	0.45
3	1027	0.68
4	578	0.90
5	370	1.13

3000K

E I On board dimmer
05.1806.40A
05.1806.14A
E I Dali 2
05.1806.40ADA
05.1806.14ADA
E I **Casambi Integrated
05.1806.40ACB
05.1806.14ACB



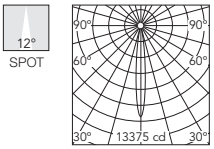
Luminous flux luminaire
800 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	9431	0.23
2	2358	0.45
3	1048	0.68
4	590	0.90
5	378	1.13

2700K

E I On board dimmer
05.1802.40A
05.1802.14A
E I Dali 2
05.1802.40ADA
05.1802.14ADA
E I **Casambi Integrated
05.1802.40ACB
05.1802.14ACB



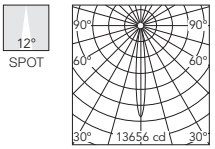
Luminous flux luminaire
841 lm (EXTREME CUT OFF)

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	13375	0.20
2	3344	0.41
3	1486	0.61
4	836	0.82
5	535	1.02

3000K

E I On board dimmer
05.1807.40A
05.1807.14A
E I Dali 2
05.1807.40ADA
05.1807.14ADA
E I **Casambi Integrated
05.1807.40ACB
05.1807.14ACB



Luminous flux luminaire
859 lm (EXTREME CUT OFF)

Beam Angle: 12°

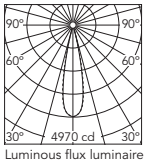
h(m)	E(lx)	D(m)
1	13656	0.20
2	3414	0.41
3	1517	0.61
4	853	0.82
5	546	1.02

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Optic Medium
2700K

E I On board dimmer
03.9620.40A
03.9620.14A
E I Dali 2
03.9620.40BDA
03.9620.14BDA
E I **Casambi Integrated
03.9620.40ACB
03.9620.14ACB

22° MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

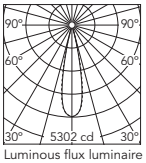
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium
3000K

E I On board dimmer
03.9630.40A
03.9630.14A
E I Dali 2
03.9630.40BDA
03.9630.14BDA
E I **Casambi Integrated
03.9630.40ACB
03.9630.14ACB

22° MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

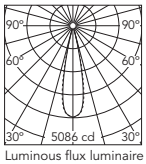
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

2700K

E I On board dimmer
03.9621.40A
03.9621.14A
E I Dali 2
03.9621.40BDA
03.9621.14BDA
E I **Casambi Integrated
03.9621.40ACB
03.9621.14ACB

22° MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

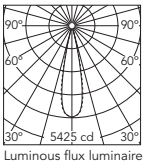
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

3000K

E I On board dimmer
03.9631.40A
03.9631.14A
E I Dali 2
03.9631.40BDA
03.9631.14BDA
E I **Casambi Integrated
03.9631.40ACB
03.9631.14ACB

22° MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

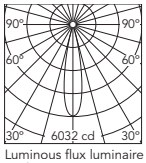
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

2700K

E I On board dimmer
05.1810.40A
05.1810.14A
E I Dali 2
05.1810.40ADA
05.1810.14ADA
E I **Casambi Integrated
05.1810.40ACB
05.1810.14ACB

21° MEDIUM



Luminous flux luminaire
821 lm (EXTREME CUT OFF)

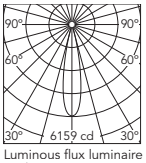
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6032	0.37
2	1508	0.74
3	670	1.11
4	377	1.48
5	242	1.84

3000K

E I On board dimmer
05.1815.40A
05.1815.14A
E I Dali 2
05.1815.40ADA
05.1815.14ADA
E I **Casambi Integrated
05.1815.40ACB
05.1815.14ACB

21° MEDIUM



Luminous flux luminaire
839 lm (EXTREME CUT OFF)

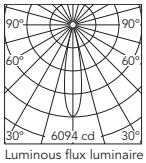
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6159	0.37
2	1540	0.74
3	684	1.11
4	385	1.48
5	247	1.84

2700K

E I On board dimmer
05.1811.40A
05.1811.14A
E I Dali 2
05.1811.40ADA
05.1811.14ADA
E I **Casambi Integrated
05.1811.40ACB
05.1811.14ACB

21° MEDIUM



Luminous flux luminaire
827 lm (EXTREME CUT OFF)

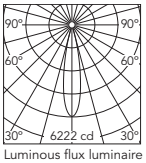
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6094	0.36
2	1523	0.73
3	677	1.09
4	381	1.45
5	244	1.81

3000K

E I On board dimmer
05.1816.40A
05.1816.14A
E I Dali 2
05.1816.40ADA
05.1816.14ADA
E I **Casambi Integrated
05.1816.40ACB
05.1816.14ACB

21° MEDIUM



Luminous flux luminaire
844 lm (EXTREME CUT OFF)

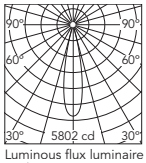
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6222	0.36
2	1555	0.73
3	692	1.09
4	389	1.45
5	249	1.81

2700K

E I On board dimmer
05.1812.40A
05.1812.14A
E I Dali 2
05.1812.40ADA
05.1812.14ADA
E I **Casambi Integrated
05.1812.40ACB
05.1812.14ACB

22° MEDIUM



Luminous flux luminaire
827 lm (EXTREME CUT OFF)

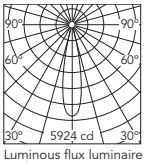
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5802	0.38
2	1451	0.76
3	645	1.14
4	363	1.52
5	232	1.91

3000K

E I On board dimmer
05.1817.40A
05.1817.14A
E I Dali 2
05.1817.40ADA
05.1817.14ADA
E I **Casambi Integrated
05.1817.40ACB
05.1817.14ACB

22° MEDIUM



Luminous flux luminaire
844 lm (EXTREME CUT OFF)

Beam Angle: 22°

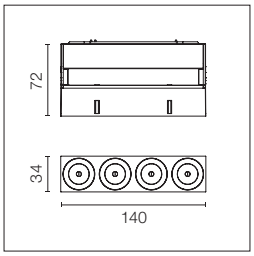
h(m)	E(lx)	D(m)
1	5924	0.38
2	1481	0.76
3	658	1.14
4	370	1.52
5	237	1.91

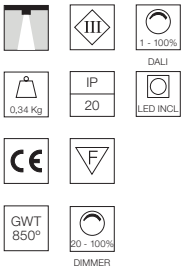
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

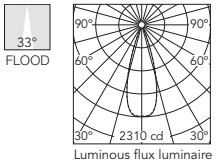
E= External Finish
I= Internal Finish

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I On board dimmer
03.9625.40A
03.9625.14A
E I Dali 2
03.9625.40BDA
03.9625.14BDA
E I **Casambi Integrated
03.9625.40ACB
03.9625.14ACB



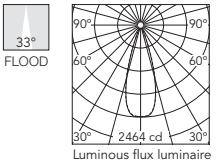
Luminous flux luminaire
741 lm (EXTREME CUT OFF)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I On board dimmer
03.9635.40A
03.9635.14A
E I Dali 2
03.9635.40BDA
03.9635.14BDA
E I **Casambi Integrated
03.9635.40ACB
03.9635.14ACB



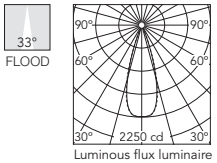
Luminous flux luminaire
790 lm (EXTREME CUT OFF)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

2700K

E I On board dimmer
03.9626.40A
03.9626.14A
E I Dali 2
03.9626.40BDA
03.9626.14BDA
E I **Casambi Integrated
03.9626.40ACB
03.9626.14ACB



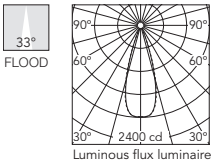
Luminous flux luminaire
720 lm (EXTREME CUT OFF)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

3000K

E I On board dimmer
03.9636.40A
03.9636.14A
E I Dali 2
03.9636.40BDA
03.9636.14BDA
E I **Casambi Integrated
03.9636.40ACB
03.9636.14ACB



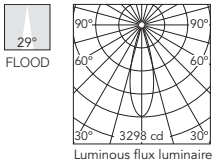
Luminous flux luminaire
768 lm (EXTREME CUT OFF)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

2700K

E I On board dimmer
05.1820.40A
05.1820.14A
E I Dali 2
05.1820.40ADA
05.1820.14ADA
E I **Casambi Integrated
05.1820.40ACB
05.1820.14ACB



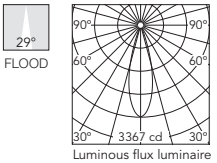
Luminous flux luminaire
801 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	3298	0.51
2	824	1.02
3	366	1.53
4	206	2.05
5	132	2.56

3000K

E I On board dimmer
05.1825.40A
05.1825.14A
E I Dali 2
05.1825.40ADA
05.1825.14ADA
E I **Casambi Integrated
05.1825.40ACB
05.1825.14ACB



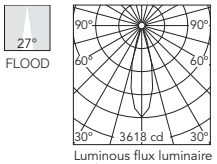
Luminous flux luminaire
818 lm (EXTREME CUT OFF)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	3367	0.51
2	842	1.02
3	374	1.53
4	210	2.05
5	135	2.56

2700K

E I On board dimmer
05.1821.40A
05.1821.14A
E I Dali 2
05.1821.40ADA
05.1821.14ADA
E I **Casambi Integrated
05.1821.40ACB
05.1821.14ACB



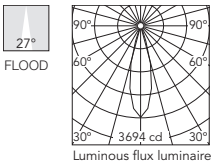
Luminous flux luminaire
841 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	3618	0.48
2	904	0.96
3	402	1.43
4	226	1.91
5	145	2.39

3000K

E I On board dimmer
05.1826.40A
05.1826.14A
E I Dali 2
05.1826.40ADA
05.1826.14ADA
E I **Casambi Integrated
05.1826.40ACB
05.1826.14ACB



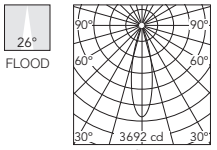
Luminous flux luminaire
859 lm (EXTREME CUT OFF)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	3694	0.48
2	923	0.96
3	411	1.43
4	231	1.91
5	148	2.39

2700K

E I On board dimmer
05.1822.40A
05.1822.14A
E I Dali 2
05.1822.40ADA
05.1822.14ADA
E I **Casambi Integrated
05.1822.40ACB
05.1822.14ACB



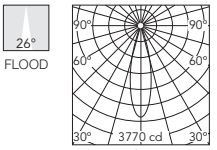
Luminous flux luminaire
809 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	3692	0.46
2	923	0.92
3	410	1.39
4	231	1.85
5	148	2.31

3000K

E I On board dimmer
05.1827.40A
05.1827.14A
E I Dali 2
05.1827.40ADA
05.1827.14ADA
E I **Casambi Integrated
05.1827.40ACB
05.1827.14ACB



Luminous flux luminaire
826 lm (EXTREME CUT OFF)

Beam Angle: 26°

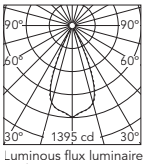
h(m)	E(lx)	D(m)
1	3770	0.46
2	942	0.92
3	419	1.39
4	236	1.85
5	151	2.31

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Optic Wide Flood
2700K

E I On board dimmer
03.9660.40A
03.9660.14A
E I Dali 2
03.9660.40BDA
03.9660.14BDA
E I **Casambi Integrated
03.9660.40ACB
03.9660.14ACB

47° WIDE FLOOD



Luminous flux luminaire
735 lm

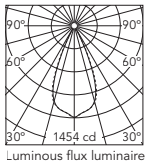
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Optic Wide Flood
3000K

E I On board dimmer
03.9664.40A
03.9664.14A
E I Dali 2
03.9664.40BDA
03.9664.14BDA
E I **Casambi Integrated
03.9664.40ACB
03.9664.14ACB

47° WIDE FLOOD



Luminous flux luminaire
780 lm

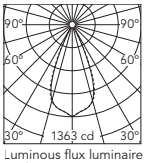
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

2700K

E I On board dimmer
03.9661.40A
03.9661.14A
E I Dali 2
03.9661.40BDA
03.9661.14BDA
E I **Casambi Integrated
03.9661.40ACB
03.9661.14ACB

47° WIDE FLOOD



Luminous flux luminaire
731 lm

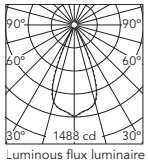
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

3000K

E I On board dimmer
03.9665.40A
03.9665.14A
E I Dali 2
03.9665.40BDA
03.9665.14BDA
E I **Casambi Integrated
03.9665.40ACB
03.9665.14ACB

47° WIDE FLOOD



Luminous flux luminaire
784 lm

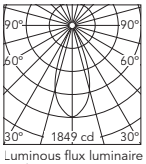
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

2700K

E I On board dimmer
05.1830.40A
05.1830.14A
E I Dali 2
05.1830.40ADA
05.1830.14ADA
E I **Casambi Integrated
05.1830.40ACB
05.1830.14ACB

41° WIDE FLOOD



Luminous flux luminaire
789 lm (EXTREME CUT OFF)

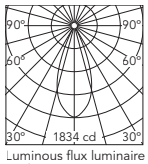
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1849	0.74
2	462	1.48
3	205	2.22
4	115	2.96
5	74	3.70

3000K

E I On board dimmer
05.1835.40A
05.1835.14A
E I Dali 2
05.1835.40ADA
05.1835.14ADA
E I **Casambi Integrated
05.1835.40ACB
05.1835.14ACB

41° WIDE FLOOD



Luminous flux luminaire
783 lm (EXTREME CUT OFF)

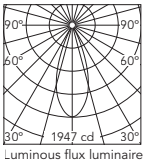
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1834	0.74
2	458	1.48
3	204	2.22
4	114	2.96
5	74	3.70

2700K

E I On board dimmer
05.1831.40A
05.1831.14A
E I Dali 2
05.1831.40ADA
05.1831.14ADA
E I **Casambi Integrated
05.1831.40ACB
05.1831.14ACB

38° WIDE FLOOD



Luminous flux luminaire
786 lm (EXTREME CUT OFF)

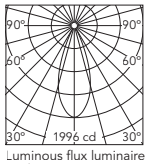
Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1947	0.70
2	487	1.39
3	216	2.09
4	122	2.78
5	78	3.48

3000K

E I On board dimmer
05.1836.40A
05.1836.14A
E I Dali 2
05.1836.40ADA
05.1836.14ADA
E I **Casambi Integrated
05.1836.40ACB
05.1836.14ACB

38° WIDE FLOOD



Luminous flux luminaire
806 lm (EXTREME CUT OFF)

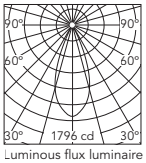
Beam Angle: 38°

h(m)	E(lx)	D(m)
1	1996	0.70
2	499	1.39
3	222	2.09
4	125	2.78
5	80	3.48

2700K

E I On board dimmer
05.1832.40A
05.1832.14A
E I Dali 2
05.1832.40ADA
05.1832.14ADA
E I **Casambi Integrated
05.1832.40ACB
05.1832.14ACB

41° WIDE FLOOD



Luminous flux luminaire
767 lm (EXTREME CUT OFF)

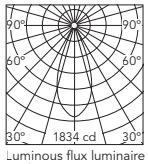
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1796	0.74
2	449	1.48
3	200	2.22
4	112	2.96
5	72	3.70

3000K

E I On board dimmer
05.1837.40A
05.1837.14A
E I Dali 2
05.1837.40ADA
05.1837.14ADA
E I **Casambi Integrated
05.1837.40ACB
05.1837.14ACB

41° WIDE FLOOD



Luminous flux luminaire
783 lm (EXTREME CUT OFF)

Beam Angle: 41°

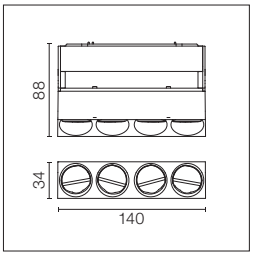
h(m)	E(lx)	D(m)
1	1834	0.74
2	458	1.48
3	204	2.22
4	115	2.96
5	73	3.70

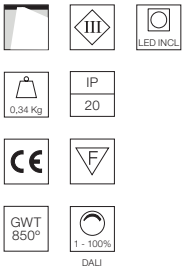
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Light Shadow Wall-Washer

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90







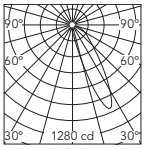
LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K
On board dimmer
- 03.9905.40A
- 03.9905.14A

Dali 2
- 03.9905.40BDA
- 03.9905.14BDA

**Casambi Integrated
- 03.9905.40ACB
- 03.9905.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

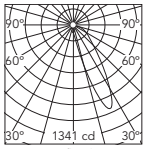
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K
On board dimmer
- 03.9904.40A
- 03.9904.14A

Dali 2
- 03.9904.40BDA
- 03.9904.14BDA

**Casambi Integrated
- 03.9904.40ACB
- 03.9904.14ACB



Luminous flux luminaire
762 lm (EXTREME CUT OFF)

Beam Angle: 22°

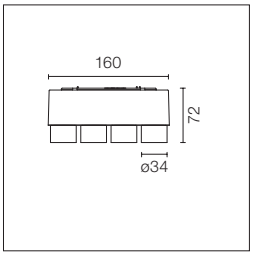
h(m)	E(lx)	D(m)
1	1033	0.50
2	258	0.99
3	115	1.49
4	65	1.98
5	41	2.48

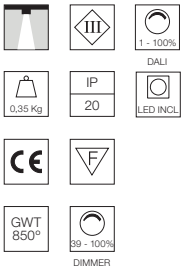
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Multi Spot 4

Light Source: Power LED 10W - 840 lm - 2700K/CRI 90 / 896 lm - 3000K/CRI 90







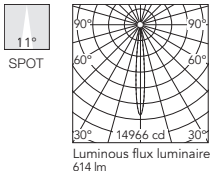
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Ver accesorios disponibles.

2700K
On board dimmer
03.6305.14C
Dali 2
03.6305.14CDA
**Casambi Integrated
03.6305.14CCB

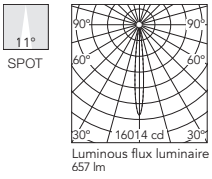


Luminous flux luminaire
614 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	14966	0.19
2	3742	0.38
3	1663	0.57
4	935	0.76
5	599	0.94

3000K
On board dimmer
03.6306.14C
Dali 2
03.6306.14CDA
**Casambi Integrated
03.6306.14CCB



Luminous flux luminaire
657 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	16014	0.19
2	4004	0.38
3	1779	0.57
4	1001	0.76
5	641	0.94

Accessories / Accesorios

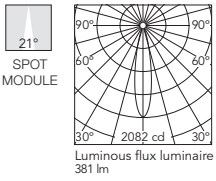
Spot Module & Multi Spot 4

Frosted medium lens.
Medium lens accessory.

Lente frosted medium.
Accesorio de óptica medium.



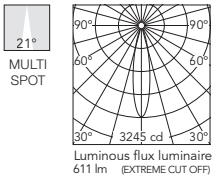
08.8760.00



Luminous flux luminaire
381 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2082	0.36
2	520	0.73
3	231	1.09
4	130	1.46
5	83	1.82



Luminous flux luminaire
611 lm (EXTREME CUT OFF)

Beam Angle: 21°

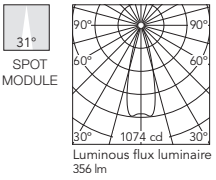
h(m)	E(lx)	D(m)
1	3245	0.37
2	811	0.75
3	361	1.12
4	203	1.50
5	130	1.87

Frosted flood lens.
Flood lens accessory.

Lente frosted flood.
Accesorio de óptica flood.



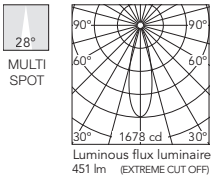
08.8761.00



Luminous flux luminaire
356 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	1074	0.55
2	269	1.09
3	119	1.64
4	67	2.19
5	43	2.73



Luminous flux luminaire
451 lm (EXTREME CUT OFF)

Beam Angle: 28°

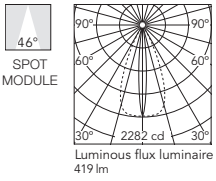
h(m)	E(lx)	D(m)
1	1678	0.50
2	420	1.00
3	186	1.51
4	105	2.01
5	67	2.51

Elliptical lens.

Lente elíptica.



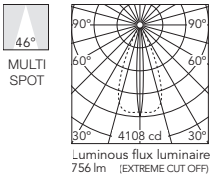
08.8759.00



Luminous flux luminaire
419 lm

Beam Angle: 46°

h(m)	E(lx)	D(m)
1	2282	0.17
2	571	0.34
3	254	0.51
4	143	0.68
5	91	0.85



Luminous flux luminaire
756 lm (EXTREME CUT OFF)

Beam Angle: 46°

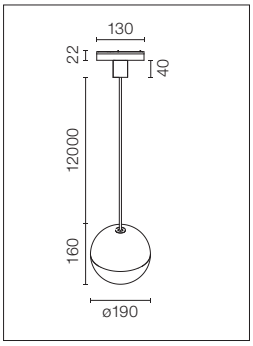
h(m)	E(lx)	D(m)
1	4108	0.15
2	1027	0.30
3	456	0.44
4	257	0.59
5	164	0.74

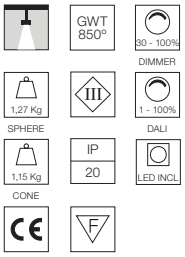
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String Light Sphere

Light Source: Power LED 14W - 930 lm - 2700K/CRI 90 / 14W - 930 lm - 3000K/CRI 90







General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

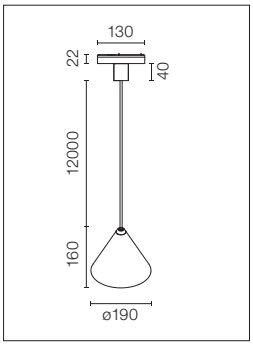
Spot Module No DALI:
Maximum 9 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Spot Module No DALI:
Máximo 9 spots para un mismo driver.

String Light Cone



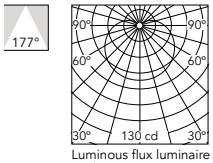


String Light Sphere 2700K

On board dimmer
- 03.6295.14A

Dali 2
- 03.6295.14ADA

**Casambi Integrated
- 03.6295.14ACB



Luminous flux luminaire
800 lm

Beam Angle: 177°

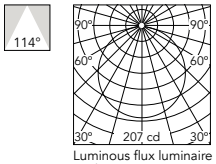
h(m)	E(lx)	D(m)
1	130	75.06
2	32	150.12
3	14	225.19
4	8	300.25
5	5	375.31

String Light Cone 2700K

On board dimmer
- 03.6297.14A

Dali 2
- 03.6297.14ADA

**Casambi Integrated
- 03.6297.14ACB



Luminous flux luminaire
604 lm

Beam Angle: 114°

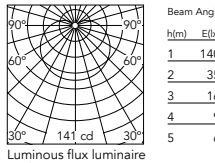
h(m)	E(lx)	D(m)
1	207	3.08
2	52	6.16
3	23	9.24
4	13	12.32
5	8	15.40

String Light Sphere 3000K

On board dimmer
- 03.6296.14A

Dali 2
- 03.6296.14ADA

**Casambi Integrated
- 03.6296.14ACB



Luminous flux luminaire
866 lm

Beam Angle: 177°

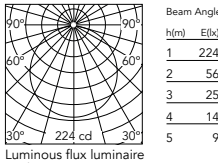
h(m)	E(lx)	D(m)
1	140	75.06
2	35	150.12
3	16	225.19
4	9	300.25
5	6	375.31

String Light Cone 3000K

On board dimmer
- 03.6298.14A

Dali 2
- 03.6298.14ADA

**Casambi Integrated
- 03.6298.14ACB



Luminous flux luminaire
653 lm

Beam Angle: 114°

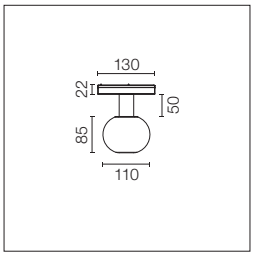
h(m)	E(lx)	D(m)
1	224	3.08
2	56	6.16
3	25	9.24
4	14	12.32
5	9	15.40

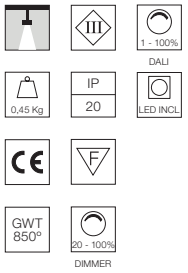
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Mini Glo-Ball

Light Source: Power LED 7W - 800 lm - 2700K/CRI 80 / 7W - 880 lm - 3000K/CRI 80







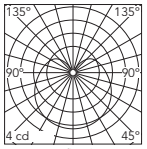
General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

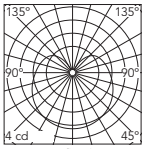
Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
03.6260.14B
Dali 2
03.6260.14ADA
*Casambi Integrated
03.6260.14.CB



Luminous flux luminaire
446 lm

3000K
On board dimmer
03.6261.14B
Dali 2
03.6261.14ADA
*Casambi Integrated
03.6261.14.CB

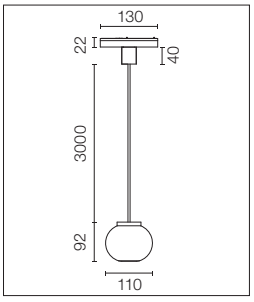


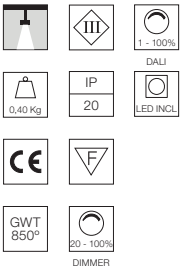
Luminous flux luminaire
508 lm

Mini Glo-Ball S

Light Source: Power LED 3,5W - 400 lm - 2700K/CRI 80 / 3,5W - 440 lm - 3000K/CRI 80







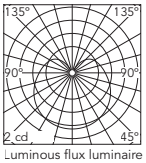
General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

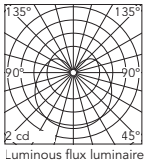
Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
03.6262.14B
Dali 2
03.6262.14ADA
**Casambi Integrated
03.6262.14.CB



Luminous flux luminaire
258 lm

3000K
On board dimmer
03.6263.14B
Dali 2
03.6263.14ADA
**Casambi Integrated
03.6263.14.CB



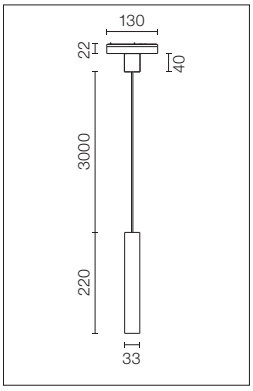
Luminous flux luminaire
271 lm

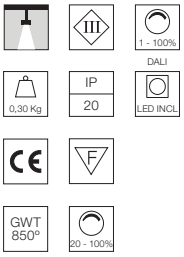
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Find Me 1 Suspension

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.
For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

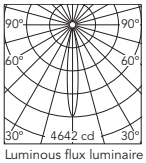
Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

2700K
On board dimmer
- 03.6272.30D
- 03.6272.06D
- 03.6272.14D

Dali 2
- 03.6272.30EDA
- 03.6272.06EDA
- 03.6272.14EDA

**Casambi Integrated
- 03.6272.30DCB
- 03.6272.06DCB
- 03.6272.14DCB





Luminous flux luminaire
344 lm (EXTREME CUT OFF)

Beam Angle: 14°

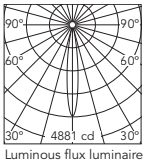
h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
On board dimmer
- 03.6273.30D
- 03.6273.06D
- 03.6273.14D

Dali 2
- 03.6273.30EDA
- 03.6273.06EDA
- 03.6273.14EDA

**Casambi Integrated
- 03.6273.30DCB
- 03.6273.06DCB
- 03.6273.14DCB





Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

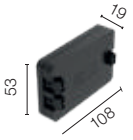
h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Control Units / Unidades de Control

Wireless Dimmer Bridge. From 1-10V to Casambi. For remote installation. See product specifications in the Flos Control manual. Recommended to act as a gateway from Lutron to Casambi.

Pasarela de regulación inalámbrica. De 1-10V a Casambi. Para instalación remota. Consulte las especificaciones de producto en el manual Flos Control. Aconsejado para actuar como pasarela de Lutron a Casambi.



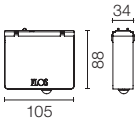
DIM 1-10V >> Casambi
08.0824.14

Multifunction Smart Device

Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.

Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia.
FLOS Control® by Casambi.

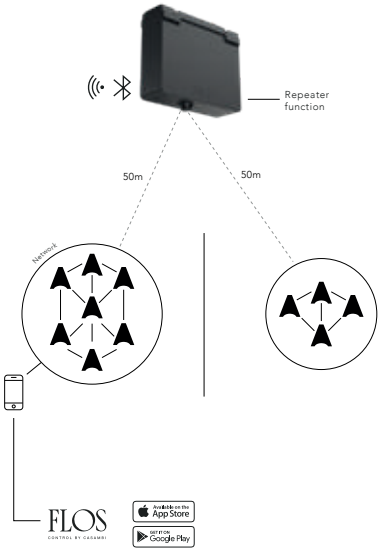




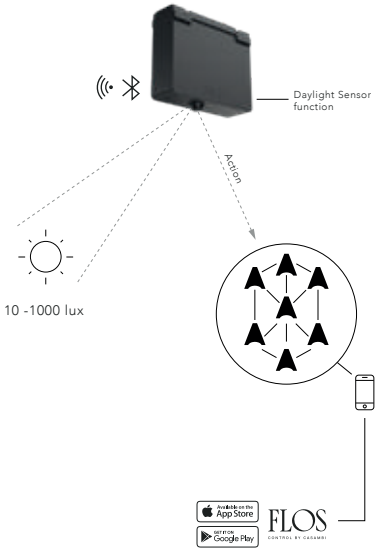
06.1987.40
06.1987.14

Multifunction Smart Device. Triple Functionality 3x1

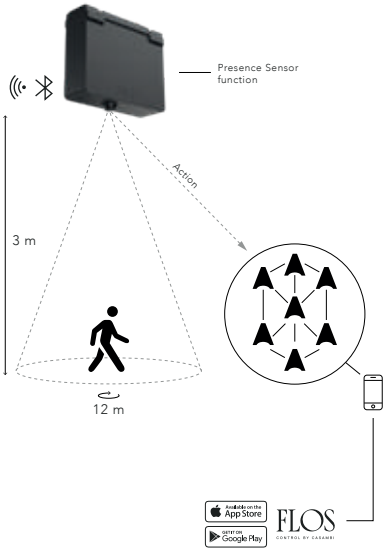
Repeater



Daylight Sensor



Presence Sensor



▲ Casambi object

NEW

THE TRACKING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

FLOS CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

RECESSED

SURFACE

SUSPENSION
UP&DOWN/DOWN



Recessed Profiles

14 Black
14 Negro



Surface/Suspension Profiles

14 Black
14 Negro



40 White
40 Blanco



05 Polished Aluminium
05 Aluminio Pulido



Surface
Flos Kit
Installation

Recessed
Flos Kit
Installation

Recessed
Conventional
Installation

Anthony Spot

NEW

Description
Renewed indoor lighting system for surface, suspended and recessed in plasterboard wall/ceiling installation.
In the new proposal, beside the successful “On Board Dimmer” version, FLOS goes one step beyond, launching both track and luminaries designed for system management in a variety of options: DALI, 1-10V and Casambi.
There are three profile versions (recessed, surface/suspension and Up&Down), all manufactured with aluminium profiling of a maximum of 3m extruded in white, black or polished aluminium, provided with electric tracks powered at 48V.
Furthermore, the system controlled versions (DALI, 1-10V) are equipped with graphite data bus for regulation.
Luminaires are installed through a magnetic fixing system.
The Tracking Magnet product group is complemented with ambient and accent lighting modules, with different optics. The light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V or Casambi for remote setting.

Control
- For installation of “On Board Dimmer” fixtures use “On Board Dimmer” track version. Luminaries DALI and 1-10V are only compatible with track DALI, 1-10V.
Casambi luminaires can be installed on all profiles available in the system.
- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- For the 1-10V management, the control system needs to be active (SOURCE, the controller generates the power signal) and the control data bus needs to be directly connected to the profile. If the controller is passive (SINK), the Control Dimming box unit will be necessary. It is located between the control unit and the track, and it must be ordered separately from the accessories department. In the 1-10V management system, all luminaries are dimmed at the same time (as a block or broadcast).
- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).
Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections including cuts, or 20 meters. Maximum number of track cuts to guarantee the communication of the DALI or 1-10V signal: 7 cuts.
The UP&DOWN version has a compatible DALI interface for controlling indirect lighting. Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Flos website.
The UP&DOWN version can be controlled independently via DALI.
Compatible with “BTcino My home” (please consult Front Office).

Power Supply
Remote 48V power supply not included.

Accessories
For the Anthony Spot lighting module there are elliptical, flood lenses (to be used with Anthony Spot Medium) and screening elements.
For the Spot tracking lighting modules, the honeycomb and screening crossbrace accessories are incorporated in the product, except for the chrome finish.
The Suspension versions offer two suspension systems that must be ordered separately: rigid bars to stop the profile tilting (straight structures with no corners) or for installations requiring a more rigid fixture system, and steel cable, recommended if a corner is included in the structure, where the tilt will not appear in any case.

Additional Information
Recessed version only to be installed in 12.5mm thick plasterboard surfaces.
The Tracking Magnet is a 48V electrical system limited to a maximum power current of 8A - 48Vdc to avoid overloads.
Maximum length with a single power source is 20 m.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Renovado sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso.
En la nueva propuesta, además de la ya conocida versión “On Board Dimmer”, FLOS ha dado un paso más, añadiendo perfiles y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.
Existen tres versiones de perfil (empotrada, superficie/suspensión y Up&Down), todos fabricados con perfilería de aluminio máx. 3 m, extruido en blanco, negro o aluminio pulido, provistos de pistas eléctricas alimentadas a 48V.
Además, las versiones controlables como sistema (DALI, 1-10V) llevan bus de datos en grafito para su regulación. Las luminarias se instalan mediante un sistema de fijación magnética.
La familia Tracking Magnet se completa con módulos de iluminación ambiental y de acento, con diferentes ópticas. Los módulos de luz disponen de un potenciómetro instalado, regulación DALI, 1-10V o Casambi según se desee.

Control
- Para instalaciones de luminaria con sistema de dimado “On Board Dimmer” y FLOS Control®, usar perfil en versión “On Board Dimmer”. Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI, 1-10V. Las luminarias Casambi son compatibles con todos los perfiles.
- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para la gestión 1-10V es necesario que el sistema de control sea activo (SOURCE, el controlador genera la señal de tensión) y conectar el bus de datos de control directamente al perfil. Si el controlador es de tipo pasivo (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril) que hay que pedir por separado en el apartado de accesorios. En el sistema de gestión 1-10V todas las luminarias se regulan a la vez (en bloque o broadcast).
- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.
Necesaria APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).
Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V será de 20 interconexiones incluyendo los cortes ó 20 metros.
Número máximo de cortes de carril para garantizar la comunicación de la señal DALI o 1-10V será 7 cortes.
La versión UP&DOWN equipa un interfaz DALI compatible para el control de la iluminación indirecta. Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.
La versión UP&DOWN puede ser controlada independientemente vía DALI.
Compatibilidad con “BTcino My home” (consultar con Front Office).

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida.

Accesorios
Para el módulo de iluminación Anthony Spot existen lentes elípticas, flood (para usarse con Anthony Spot Medium) y elementos apantalladores.
Para los módulos de iluminación Spot tracking los accesorios honeycomb y cruceta de apantallamiento incorporados en el producto, salvo para el acabado cromo.
Las versiones Suspensión ofrecen dos sistemas de suspensión, que deben pedirse por separado: varillas rígidas para evitar la inclinación del Perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido, y cable de acero recomendado si una esquina está incluida en la estructura, donde la inclinación no aparecerá en ningún caso.

Información Adicional
La versión Recessed únicamente instalable en superficies de cartón-yeso de 12,5mm de espesor.
The Tracking Magnet es un sistema eléctrico alimentado a 48V y limitado a una corriente máxima de 8A - 48Vdc para evitar sobrecargas.
Longitud máxima con una sola fuente de alimentación 20m.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

NEW

THE TRACKING MAGNET

LIGHT MODULES

LIGHT STRIPE



LIGHT SOURCE
TOP LED
20W/m
1859 lm/m
2700K/CRI 90
1967 lm/m
3000K/CRI 90

SPOT 50



LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90



LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150



LIGHT SOURCE
LED ARRAY
22,5W
2411 lm
2700K/CRI 90
2569 lm
3000K/CRI 90

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60



LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

ANTHONY SPOT TRACK



LIGHT SOURCE
LED ARRAY
16,5W
1620 lm
2700K/CRI 90
1730 lm
3000K/CRI 90

WALLEE



LIGHT SOURCE
TOP LED
10W
773 lm
2700K/CRI 90
818 lm
3000K/CRI 90

MULTI SPOT MINI



LIGHT SOURCE
TOP LED
7W
635 lm
2700K/CRI 90
650 lm
3000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

NEW

Light Stripe

14 Black
14 Negro



Spot

40 White
40 Blanco



05 Polished Aluminium
05 Polished Aluminium



14 Black
14 Negro



Light Shadow Spot

40 White
40 Blanco



14 Black
14 Negro



EQ Brushed Copper
EQ Cobre Cepillado



ER Brushed Steel
ER Acero Cepillado



ES Brushed Bronze
ES Bronce Cepillado



Anthony Spot Track

40 White
40 Blanco



05 Polished Aluminium
05 Polished Aluminium



14 Black
14 Negro



Walee

40 White
40 Blanco



14 Black
14 Negro



Multi Spot Mini

40 White
40 Blanco



14 Black
14 Negro



Multifunction Smart Device

40 White
40 Blanco



14 Black
14 Negro



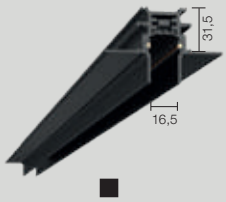
NEW

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

RECESSED PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

Feed connector



End cap



Intermediate connectors



Straight
Flexible/Electrical corner

90° Corner



mechanical joint

Inner corner



mechanical joint

Outer corner



mechanical joint

Accessories

Fixed ceiling kit

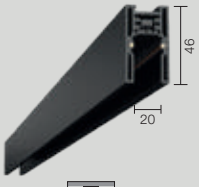


or

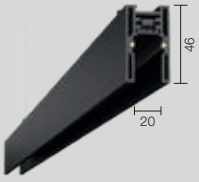
Adjustable ceiling kit



SURFACE / SUSPENSION DOWN PROFILE











L: 1 / 1,5 / 2 / 2,5 / 3 m

Surface Installation

Inner corner



mechanical joint

Surface / Suspension Down Installation

Feed connector



End cap



Intermediate connectors



Straight
Flexible/Electrical corner

90° Corner



electrical & mechanical joint

Surface Accessories

Kit surface bracket



Suspension Down Accessories

Kit suspension bracket



Intermediate suspension kit



Surface rose



or
Recessed rose



Power cable



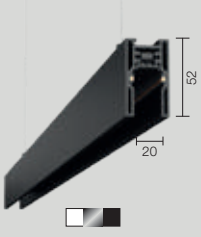
Rigid rod



or
Suspension cable



SUSPENSION UP&DOWN PROFILE





L: 1 / 1,5 / 2 / 2,5 / 3 m

Feed unit kit



Intermediate connectors



Straight
Flexible/Electrical corner

End cap



90° Corner



mechanical joint

Accessories

Intermediate suspension kit



Surface rose



or
Recessed rose



Rigid rod



or
Suspension cable



NEW

3 SELECT POWER SUPPLY AND CONTROL OPTION

(select the driver with the appropriate power according to the needs of your project)

Remote power supply
Profiles: Recessed, Surface & Suspension Down

On board dimmer / Casambi / Dali



185W *or* 320W

1-10V



185W *or* 320W

+



1-10V control box

(needed only to transform sink into source control signal)

Remote power supply
Profile: Suspension Up & Down

On board dimmer / Casambi



185W *or* 320W

Dali



185W *or* 320W

+



DALI Push

Up Control

1-10V



185W *or* 320W

+



1-10V Push

+



1-10V control box

(needed only to transform sink into source control signal)

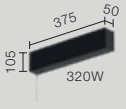
Up Control **Down Control**

Surface power supply

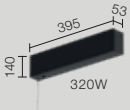
On board dimmer / Casambi / Dali / *1-10V

*(only for 1-10V source signal)

Profile:
Suspension Down



Profile:
Suspension Up & Down



4 SELECT A LIGHT MODULE AND CONTROL OPTION

Dali / 1-10V / Casambi / On board dimmer

Light Stripe





General lighting

Multi Spot Mini





S/M/F

Spot 50





M

Spot 90





S/M

Spot 120





S/M/F

Spot 150





S/M/F

Light Shadow Spot 30





S/M/F/WF

Light Shadow Spot 45





S/M/F

Light Shadow Spot 60





SS/S/M/F/WF

Anthony Spot Track





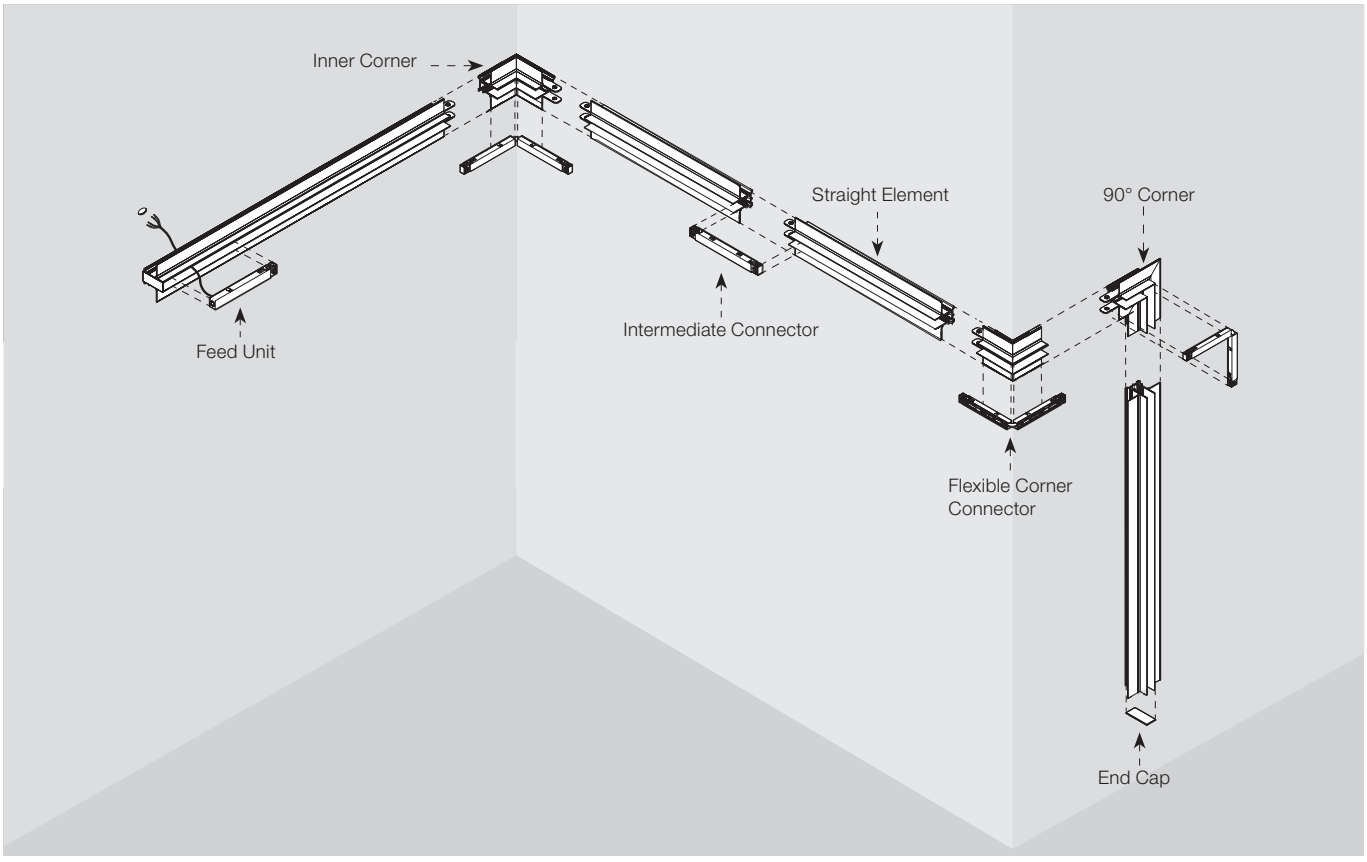
S/M

Wallee

General lighting

Multifunction Smart Device
FLOS Control® by Casambi

RECESSED INSTALLATION

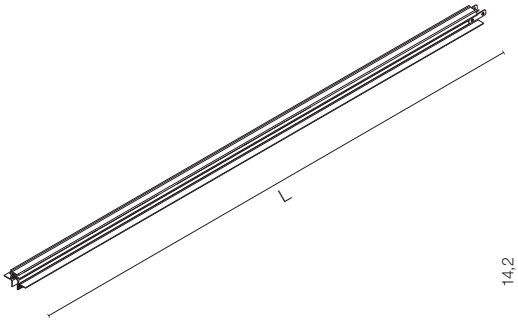


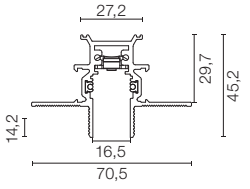
Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls, available in lengths from 1m to 3m.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.
Feed connector, intermediated connector and end-caps to be ordered separately.
Mechanical 90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.
Intermediate connectors to be ordered separately if electrical continuity on corners is required.
Corners do not admit installation of spots.
Fixed or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminimum fastening profiles.
Recommended for installations where the Tracking Magnet can be installed before the suspended plasterboard ceiling.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1m a 3m.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi. Versión compatible con luminarias controlables como sistema DALI y 1-10V. Esquinas, conectores y accesorios comunes para las dos versiones.
Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.
Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior.
Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.
No es posible instalar spots en las esquinas.
Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Magnet antes que el falso techo de cartón yeso.





On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5050.14	06.5040.14
L: 1500 mm	L: 1500 mm
06.5051.14	06.5041.14
L: 2000 mm	L: 2000 mm
06.5052.14	06.5042.14
L: 2500 mm	L: 2500 mm
06.5053.14	06.5043.14
L: 3000 mm	L: 3000 mm
06.5054.14	06.5044.14

90° mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

Esquina mecánica 90°.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



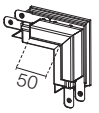


06.5045.14

Inner mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

Esquina mecánica interior.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



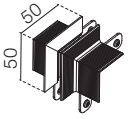


06.5046.14

Outer mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

Esquina mecánica exterior.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



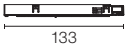


06.5047.14

Feed connector.

Conector alimentación.





08.0611.14

Intermediate connector.

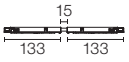
Conector intermedio.





Straight
08.0612.14



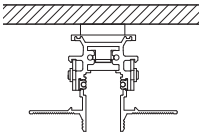


Flexible/Electrical corner
08.0614.14

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo (opcional). Kit de 2 unidades.





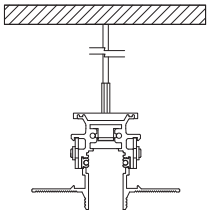
08.8866.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.





08.8867.14

Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500	2	1
2000 / 2500	3	2
3000	4	2

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



06.5008.14

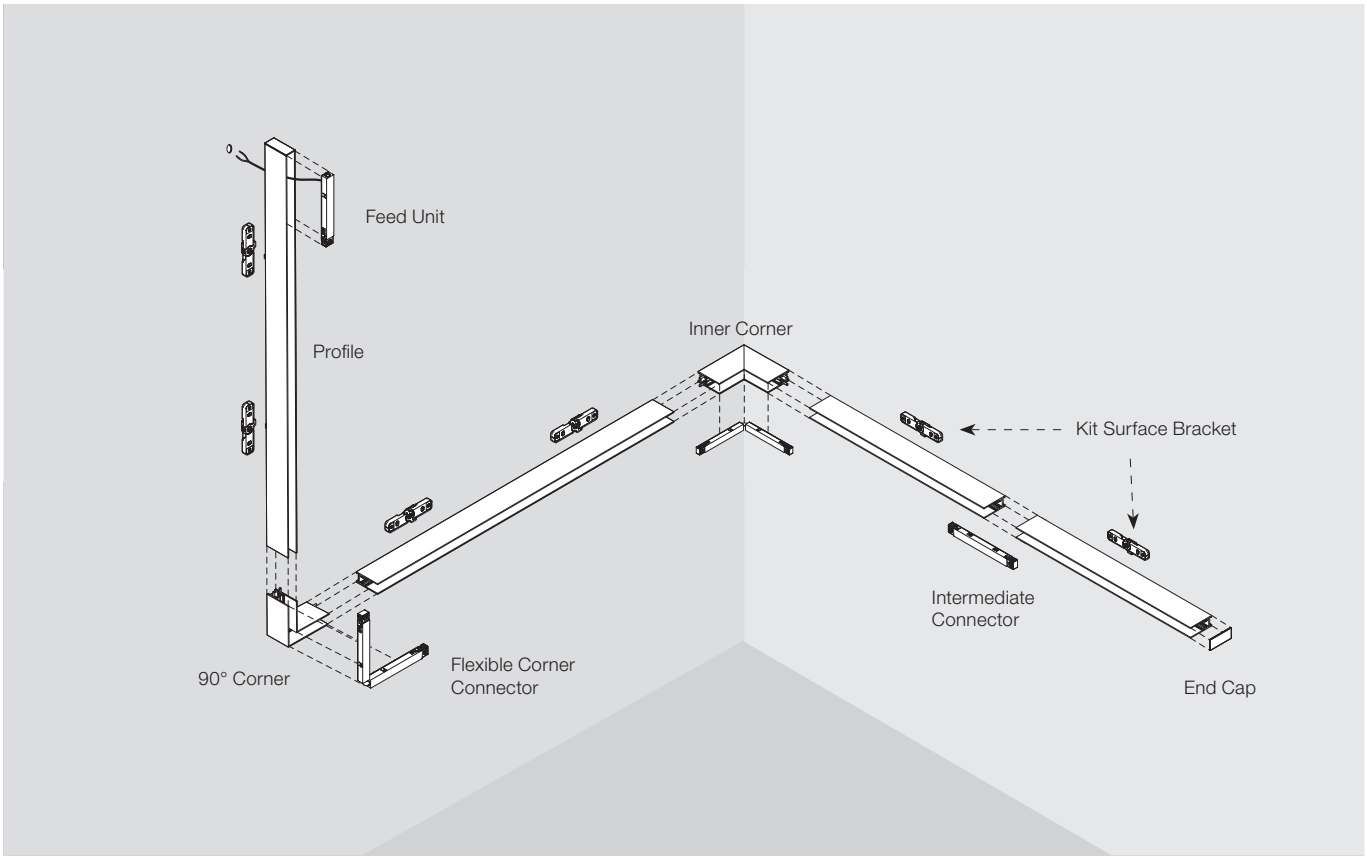
Drivers / Equipos

References shared with surface version. Please see next page.
Referencias compartidas con versión de superficie. Ver página siguiente.



Remote Drivers

SURFACE INSTALLATION

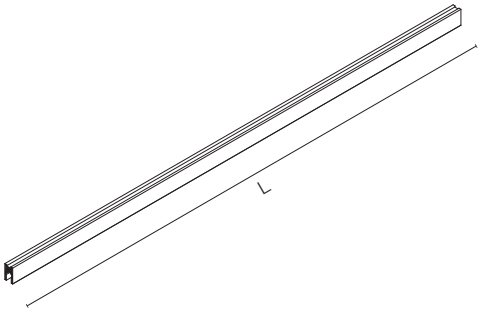


Profiles

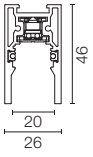
Electromechanical profile for surface-mounting, available in lengths from 1m to 3m.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.
Feed connector, intermediated connector, end-caps and attachment accessories to be ordered separately.
Mechanical 90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane.
Intermediate connectors to be ordered separately if electrical continuity on corners is required.
Corners do not admit installation of spots.

Perfiles

Perfil electro-mecánico para instalaciones en superficie o suspendidas, con longitudes de 1m a 3m.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi.
Versión compatible con luminarias controlables como sistema DALI y 1-10V.
Esquinas, conectores y accesorios comunes para las dos versiones.
Necesario pedir por separado conector de alimentación, conectores intermedios, tapas y accesorios de fijación.
Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior.
Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.
No es posible instalar spots en las esquinas.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m



On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5060.40	06.5010.40
06.5060.05	06.5010.05
06.5060.14	06.5010.14
L: 1500 mm	L: 1500 mm
06.5061.40	06.5011.40
06.5061.05	06.5011.05
06.5061.14	06.5011.14
L: 2000 mm	L: 2000 mm
06.5062.40	06.5012.40
06.5062.05	06.5012.05
06.5062.14	06.5012.14
L: 2500 mm	L: 2500 mm
06.5063.40	06.5013.40
06.5063.05	06.5013.05
06.5063.14	06.5013.14
L: 3000 mm	L: 3000 mm
06.5064.40	06.5014.40
06.5064.14	06.5014.14

THE TRACKING MAGNET SURFACE/SUSPENSION — PROFILES

Surface

Kit Surface Bracket.

Kit de sujeción a techo.



Surface
08.0615.00

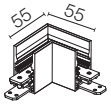
Profile (mm)	Fixation points	Ceiling Kit to order
1000 / 1500 / 2000	2	1
2500	3	2
3000	4	2

Surface / Suspension

90° mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

Esquina mecánica 90°.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



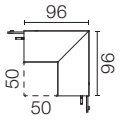


06.5015.40
06.5015.05
06.5015.14

Inner mechanical corner.
Only for surface version.

Esquina mecánica interior.
Solo para versión surface.



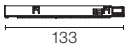


06.5016.40
06.5016.05
06.5016.14

Feed connector.

Conector de alimentación.



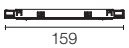


08.0611.14

Intermediate connector.

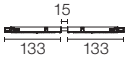
Conector intermedio.





Straight
08.0612.14





Flexible/Electrical corner
08.0614.14

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



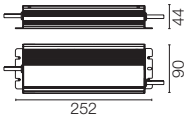
06.5017.40
06.5017.05
06.5017.14

Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.



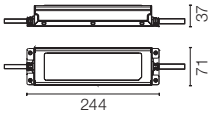


*60.8919

LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.

Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.

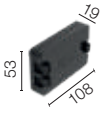




*60.9607

Control dimming box, 1-10V, 24/48V. For remote installation. For transforming passive systems (SINK) into active systems (SOURCE). It must be positioned between the control unit and the track. Important note: Maximum of 25 light modules.

Caja de control dimable 1-10V, 24/48V. Para instalación remota. Para transformar sistemas pasivos (SINK) en activos (SOURCE). Debe ubicarse entre la unidad de control y el carril. Nota importante: Máx. 25 módulos de luz.

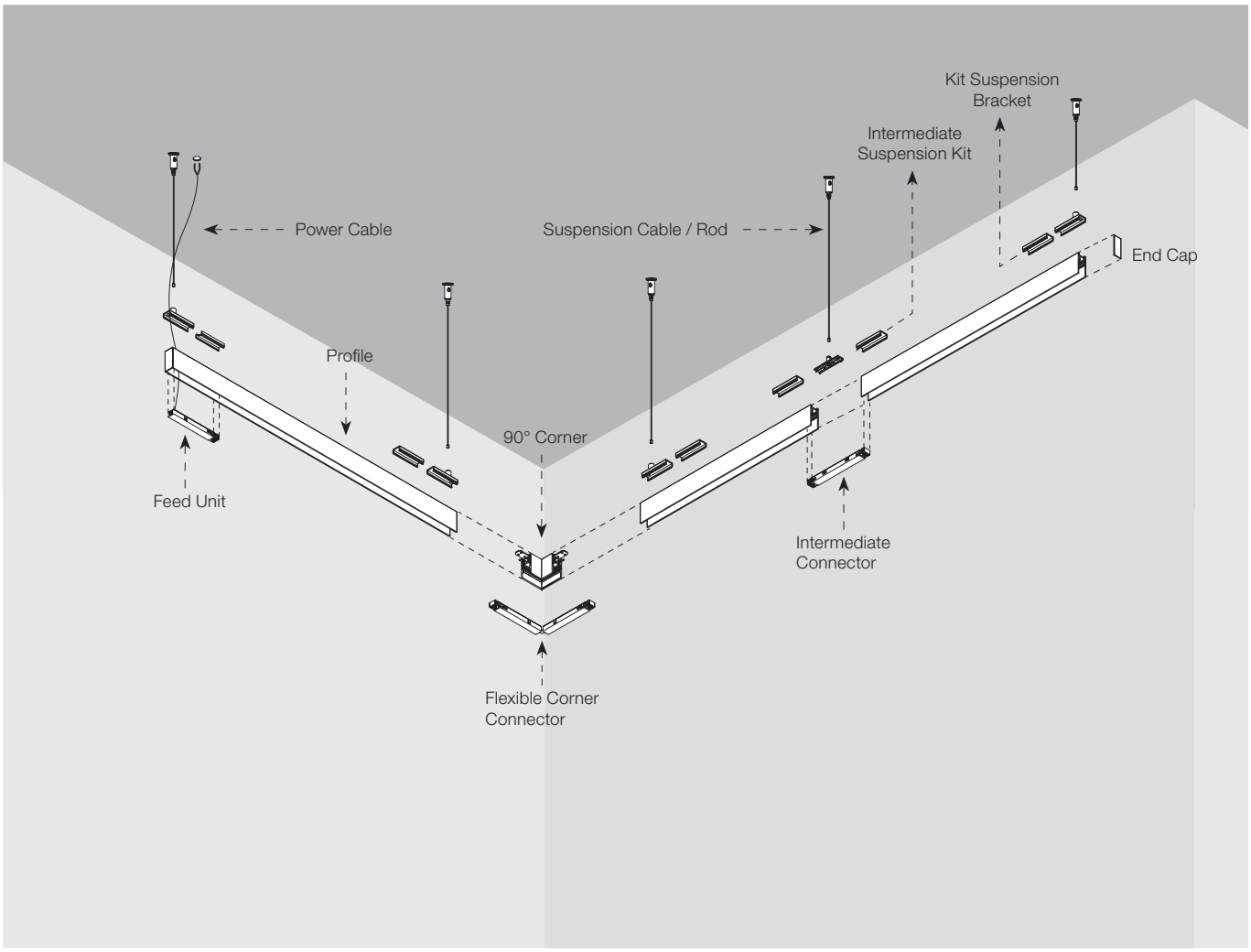


DIM 1-10V - 24/48V
08.0613.14A

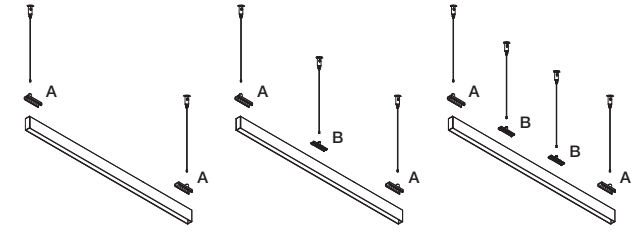
An active control system (SOURCE) is required and the data bus must be connected directly to the profile. For passive systems (SINK), a Dimming BOX Control unit is required (located between the control unit and the profile). / Es necesario un sistema de control activo (SOURCE) y conectar el bus de datos de control directamente al perfil. Para sistemas pasivos (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril).

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source. / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

SUSPENSION DOWN INSTALLATION



Suspension Kits. How to Order



Profiles 1000 / 1500 / 2000 Profiles 2500 Profiles 3000

Profile (mm)	Fixation points	Kits to order
1000 / 1500 / 2000	2	1A
2500	3	1A + 1B
3000	4	1A + 2B

A Kit suspension Bracket
B Intermediate Suspension Kit
(*) Suspension Cable/Rod must be ordered separately

Profiles & Drivers / Perfiles y equipos

References shared with surface version. Please see previous page.
Referencias compartidas con versión de superficie. Ver página anterior.


Profile


90° Corner


End Cap


Feed Unit

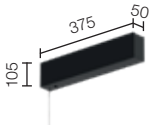
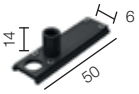
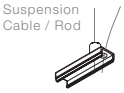

Intermediate Connector


Flexible Corner Connector


Remote Drivers

Accessories / Accesorios

Suspension Down

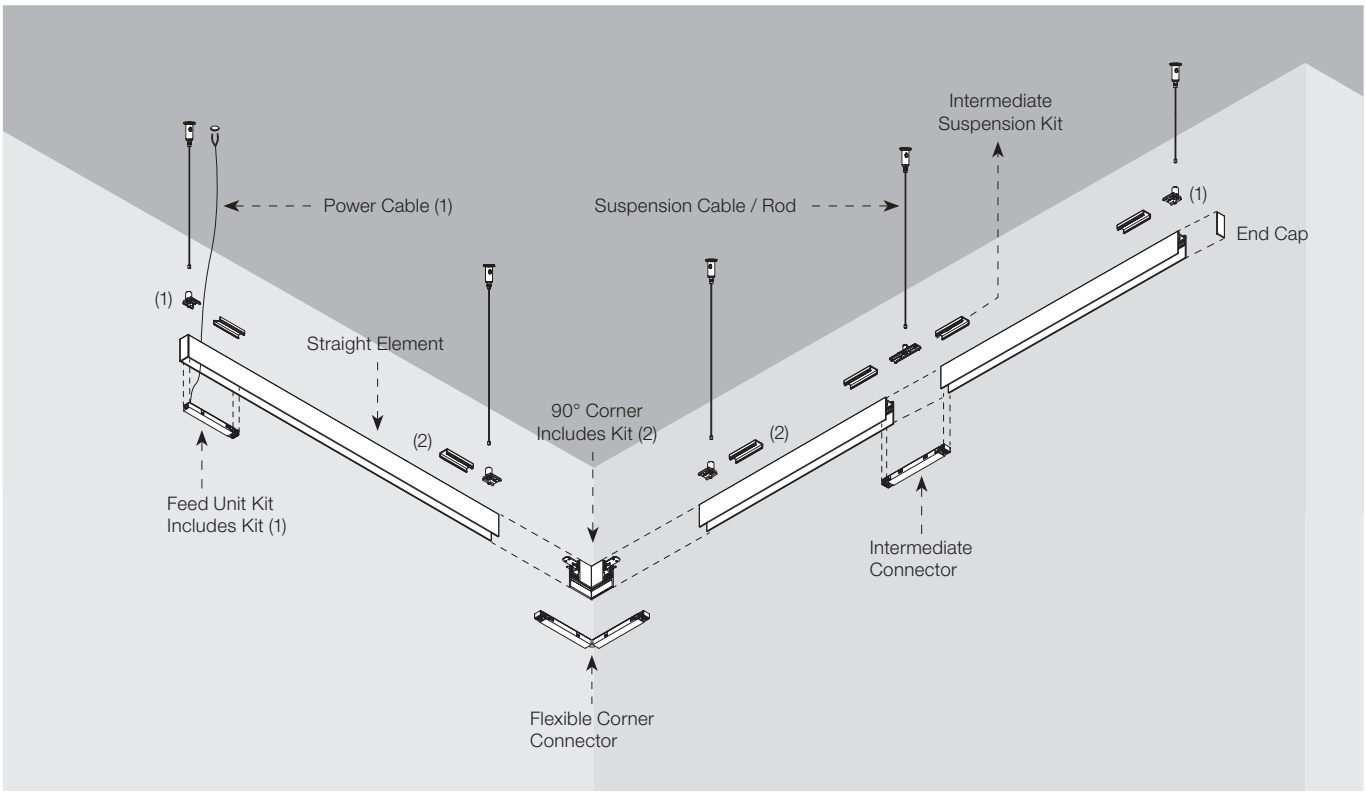
Surface power supply with 320W / 48Vdc driver included. 4-meter, 4-pole transparent cable included. Not suitable for installations with suspension rods. For 1-10V control, use only active signals.	Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cable transparente de 4 polos y 4m incluido. No válido para instalaciones con varillas de suspensión. Para control 1-10V usar solo señales activas.		☐ 08.0600.40 ■ 08.0600.14
4-pole, 0.75 mm² section, 4-meter long, transparent power cable. To use with remote drivers.	Cable de alimentación transparente de 4 polos, 0,75 mm² de sección y 4m de longitud. Para usar con drivers remotos.		06.0157.00
Kit Surface Bracket.	Kit de sujeción a techo.		 Suspension 08.0616.00

Suspension Down / Up & Down

Intermediate suspension kit for joining profiles. It includes the electrical connection of the upper part. An intermediate connector is necessary. It must be ordered separately. Steel cable not included.	Kit de suspensión intermedio para unión de perfiles. Incluye la conexión eléctrica de la parte superior. Necesario conector intermedio, pedir por separado. Cable de acero no incluido.		 ■ 08.0627.00
1 m suspension rod with ceiling rose. M6 thread. Not applicable with a Surface power box.*	Varilla de suspensión de 1 m con rosetón con fileteado m6. No aplicable con caja de alimentación de superficie.*		☐ 60.3014.11 ■ 60.3014.14
1m suspension rod extension set m6 thread.*	Alargo para varilla de suspensión de 1 m con fileteado m6.*		☐ 60.3097.11 ■ 60.3097.14
A 4-meter steel suspension cable is recommended if the structure includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.	Cable de acero de suspensión de 4 m, recomendado si la estructura incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.		08.8634.00
Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately. Not suitable for installations with suspension rods.	Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado. No válido para instalaciones con varillas de suspensión.		☐ 08.8883.40A ■ 08.8883.14A
Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately. Not suitable for installations with suspension rods.	Rosetón de alimentación empotrado. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado. No válido para instalaciones con varillas de suspensión.		☐ 08.8889.40 ■ 08.8889.14

* Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required.
* Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

SUSPENSION UP&DOWN INSTALLATION

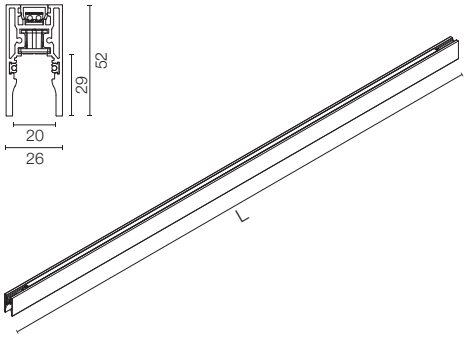


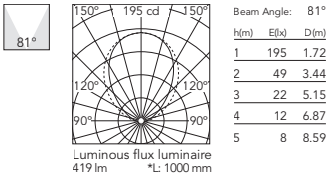
Profiles

Electrical/mechanical profile for suspended installations.
The linear elements in the Up&Down version include indirect LED lighting in the upper part of the profile.
A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems.
The profiles cannot be cut. The end caps must be ordered separately.
Suspension accessories (steel cable and rods) should be ordered separately.
90° corners available in the same plan (symmetrical element for left and right corners).
The corners do not have indirect lighting. Indirect lighting can be controlled either through the same circuit than direct lighting or independently.
The Up&Down version can be controlled independently via DALI.

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil.
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi.
Versión compatible con luminarias controlables como sistema DALI y 1-10V.
Los perfiles no se pueden cortar. Las tapas se deben pedir por separado.
Accesorios de suspensión (cable de acero y varillas) se deben pedir por separado.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
Las esquinas no llevan iluminación indirecta. La luz indirecta se puede controlar a través del mismo circuito que la luz directa o de forma independiente.
La versión Up&Down puede ser controlada independientemente vía DALI.





Beam Angle:	81°	
h(m)	E(lx)	D(m)
1	195	1.72
2	49	3.44
3	22	5.15
4	12	6.87
5	8	8.59

L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Light Source: Top LED 6,5W/m Up - 630 lm/m Up - 3000K/CRI 80

On board dimmer / Casambi	DALI / 1-10V / Casambi
L: 1000 mm	L: 1000 mm
06.5070.40	06.5020.40
06.5070.05	06.5020.05
06.5070.14	06.5020.14
L: 1500 mm	L: 1500 mm
06.5071.40	06.5021.40
06.5071.05	06.5021.05
06.5071.14	06.5021.14
L: 2000 mm	L: 2000 mm
06.5072.40	06.5022.40
06.5072.05	06.5022.05
06.5072.14	06.5022.14
L: 2500 mm	L: 2500 mm
06.5073.40	06.5023.40
06.5073.05	06.5023.05
06.5073.14	06.5023.14
L: 3000 mm	L: 3000 mm
06.5074.40	06.5024.40
06.5074.14	06.5024.14

Accessories & Drivers / Accesorios y equipos

Shared references with Down suspension version. Please see previous page.
Referencias compartidas con versión suspension Down. Ver página anterior.


Surface Rose


Recessed Power Supply Rose


Suspension Cable


Suspension Rod

Suspension Rod Extension


Intermediate Suspension Kit

References shared with surface version. Please see page.
Referencias compartidas con versión de superficie. Ver página.


Intermediate Connector


Flexible Corner Connector


Remote Drivers

Accessories / Accesorios

90° mechanical angle.
Two end suspension connections included. Steel cable not included. No lighting on the upper part. Upper part connections included.

Esquina mecánica 90°.
Dos conexiones finales de suspensión incluidas. Cable de acero no incluido. Sin iluminación en la parte superior. Conexiones de la parte superior incluidas.



06.5025.40
06.5025.05
06.5025.14

End caps. To be ordered separately.
2 unit kit.

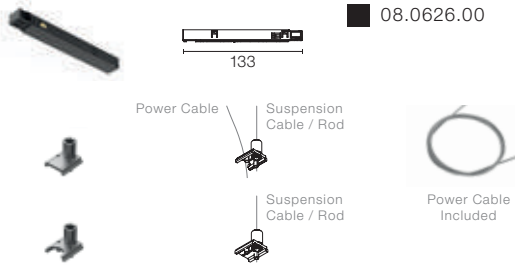
Tapas. Se deben pedir por separado.
Kit de 2 unidades.



06.5026.40
06.5026.05
06.5026.14

Feed Unit Kit. Includes two suspension accessories for the profile ends and a 6-pole and 4-meter long electrical cable. Steel cable not included. Central suspension accessories are included in the profile.

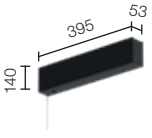
Feed Unit Kit. Incluye dos accesorios de suspensión para los extremos del perfil y cable eléctrico de 6 polos y 4 m. Cable de acero no incluido. Los accesorios de suspensión centrales vienen incluidos en el perfil.



08.0626.00

Surface power supply with driver included 320W / 48Vdc. Steel and electric cables not included. Not valid for installation with suspension rods. DALI / 1-10V / 0-10V / No dim.

Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cables de acero y eléctricos no incluidos. No válido para instalación con varillas de suspensión. DALI / 1-10V / 0-10V / No dim.



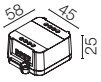
1-10V
08.0631.40
08.0631.14
Dali Version
08.0632.40A
08.0632.14A

Remote Dimmers Accessories

Dimmable Dali control unit for 12-24-48V LED modules. Power supply not included. For controlling indirect lighting (UP).

Unidad de control dimable Dali para la regulación de módulos LED, para equipos de 12-24-48V. No incluye fuente de alimentación. Para control de la iluminación indirecta (UP).



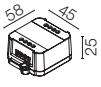


Dali · Push
Max. 10A
60.9678A

1-10V Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).

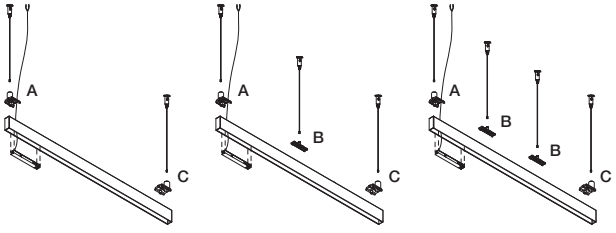
Uplight dimmer 1-10V Push 48V PWM para control de la iluminación indirecta (UP).





60.9395

Suspension Kits Up & Down. How to Order



Profiles 1000 / 1500 — Profiles 2000 / 2500 — Profiles 3000

Profile (mm)	Fixation points	Kits to order
1000 / 1500	2	1D
2000 / 2500	3	1D
3000	4	1D

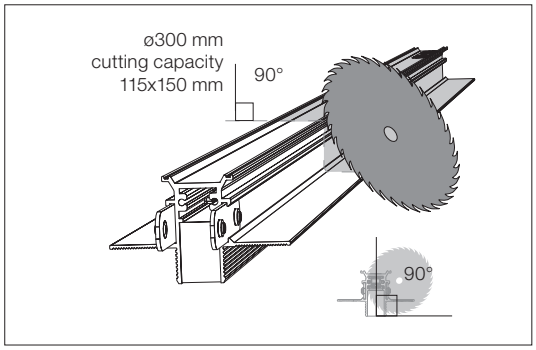
D Feed Unit Kit (A+C)
B Intermediate Suspension Kit. Included in Up & Down profiles
(*) Suspension Cable/Rod must be ordered separately

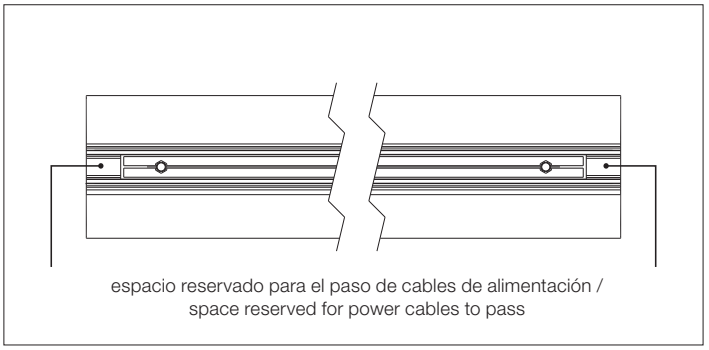
• Can I feed a structure directly from a corner?
Yes. One or two power connectors must be used for linear profiles along with the corner, depending on whether you want to power just one of the profiles connected to the corner or both profiles.

• Can I cut a profile?
Yes, profiles can be cut to the desired size, except for the Up & Down version. The electrical continuity is done with the intermediate connector. If you need a new power cable after cutting, you must drill the power cable's pass-through hole in the area free of graphite tracks reserved for that purpose and use a feed connector, you should never drill through the graphite tracks.

• ¿Puedo alimentar una estructura directamente desde una esquina?
Sí, hay que usar uno o dos conectores de alimentación para los perfiles lineales junto a la esquina, en función de si se quiere alimentar solo uno de los perfiles conectados al corner o los dos.

• ¿Puedo cortar un perfil?
Sí, los perfiles se pueden cortar a la medida deseada, salvo en las versiones Up&Down. Siempre hay que cortar respetando el espacio reservado para el paso del cable de alimentación. La continuidad eléctrica se realiza con el conector intermedio. En caso de necesitar una nueva alimentación tras el corte, se debe taladrar para el paso del cable de alimentación, en la zona sin pistas de grafito reservada a tal efecto y usar un conector de alimentación, nunca se debe taladrar a través de las pistas de grafito.





• What is the maximum distance allowed between the driver and the profile?
With the recommended power sources, the maximum distance permitted is:
. Ø1.5 mm cable: 3 m
. Ø2.5 mm cable: 5 m

• What is the maximum length that can be fed with one power supply?
The maximum length of a profile that can be fed with a power supply is 20 meters or the resulting distance after 7 interconnections including cuts.

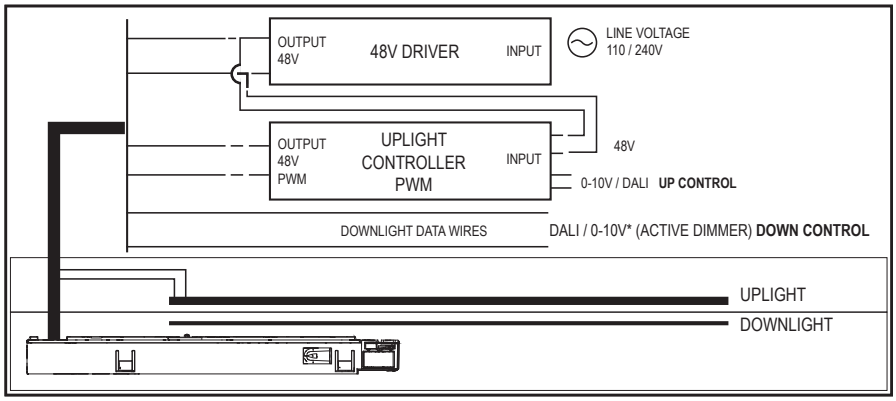
• Can I use a different, less powerful power supply?
All the information published on our website, catalogue and installation instructions meet the tests executed with the power sources recommended for our products. It must be a 48V power source with a maximum power of 320W.

• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?
Con las fuentes de alimentación recomendadas, la distancia máxima permitida es:
. Cable de Ø1,5 mm: 3 m
. Cable de Ø2,5 mm: 5 m

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?
La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 20 metros o la distancia resultante después de 7 interconexiones incluyendo los cortes.

• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?
Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con las fuentes de alimentación recomendadas para nuestros productos. Debe ser una fuente de alimentación de 48V con una potencia máxima de 320W.

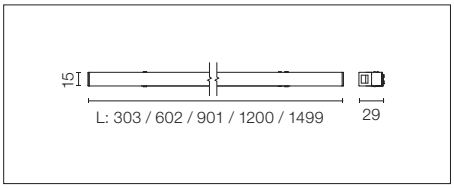
Up&Down Connection Scheme / Esquema de Conexión Up&Down



Light Stripe

Light Source: Top LED 20W/m - 1859 lm/m - 2700K/CRI 90 / 20W/m - 1967 lm/m - 3000K/CRI 90





Diffused LED light module to be installed in The Tracking Magnet System. Opal end covers not included. They must be ordered separately (08.0125.00 - two units included).
For wireless lighting control, choose integrated Casambi versions.

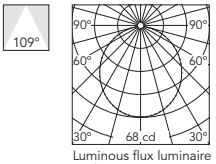
Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Tracking Magnet. Tapas finales opales no incluidas, pedir por separado (08.0125.00 - incluye dos unidades).
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

IP 20

LED INCL

2700K

L: 300 mm - 6W - 558lm
On board dimmer
03.8000.14
*Dali 2
03.8000.14.DA
*1-10V
03.8000.14.1V
**Casambi
03.8000.14.CB



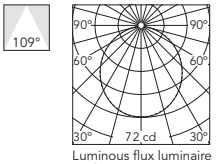
Luminous flux luminaire
191 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	68	2.80
2	17	5.59
3	8	8.39
4	4	11.18
5	3	13.98

3000K

L: 300 mm - 6W - 590lm
On board dimmer
03.8005.14
*Dali 2
03.8005.14.DA
*1-10V
03.8005.14.1V
**Casambi
03.8005.14.CB



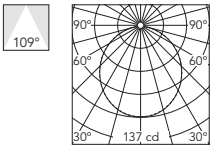
Luminous flux luminaire
202 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	72	2.80
2	18	5.59
3	8	8.39
4	5	11.18
5	3	13.98

2700K

L: 600 mm - 12W - 1115lm
On board dimmer
03.8001.14
*Dali 2
03.8001.14.DA
*1-10V
03.8001.14.1V
**Casambi
03.8001.14.CB



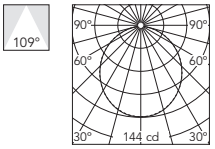
Luminous flux luminaire
383 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	137	2.80
2	34	5.59
3	15	8.39
4	9	11.18
5	5	13.98

3000K

L: 600 mm - 12W - 1180lm
On board dimmer
03.8006.14
*Dali 2
03.8006.14.DA
*1-10V
03.8006.14.1V
**Casambi
03.8006.14.CB



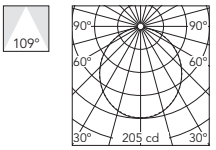
Luminous flux luminaire
405 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	144	2.80
2	36	5.59
3	16	8.39
4	9	11.18
5	6	13.98

2700K

L: 900 mm - 18W - 1673lm
On board dimmer
03.8002.14
*Dali 2
03.8002.14.DA
*1-10V
03.8002.14.1V
**Casambi
03.8002.14.CB



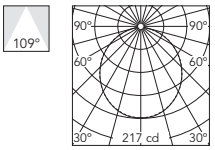
Luminous flux luminaire
574 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	205	2.80
2	51	5.59
3	23	8.39
4	13	11.18
5	8	13.98

3000K

L: 900 mm - 18W - 1770lm
On board dimmer
03.8007.14
*Dali 2
03.8007.14.DA
*1-10V
03.8007.14.1V
**Casambi
03.8007.14.CB



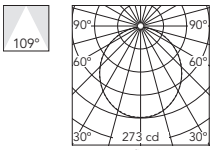
Luminous flux luminaire
607 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	217	2.80
2	54	5.59
3	24	8.39
4	14	11.18
5	9	13.98

2700K

L: 1200 mm - 24W - 2230lm
On board dimmer
03.8003.14
*Dali 2
03.8003.14.DA
*1-10V
03.8003.14.1V
**Casambi
03.8003.14.CB



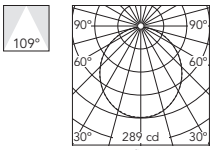
Luminous flux luminaire
766 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	273	2.80
2	68	5.59
3	30	8.39
4	17	11.18
5	11	13.98

3000K

L: 1200 mm - 24W - 2360lm
On board dimmer
03.8008.14
*Dali 2
03.8008.14.DA
*1-10V
03.8008.14.1V
**Casambi
03.8008.14.CB



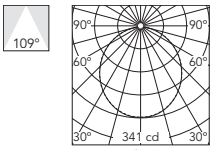
Luminous flux luminaire
809 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	289	2.80
2	72	5.59
3	32	8.39
4	18	11.18
5	12	13.98

2700K

L: 1500 mm - 30W - 2788lm
On board dimmer
03.8004.14
*Dali 2
03.8004.14.DA
*1-10V
03.8004.14.1V
**Casambi
03.8004.14.CB



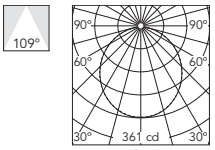
Luminous flux luminaire
957 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	341	2.80
2	85	5.59
3	38	8.39
4	21	11.18
5	14	13.98

3000K

L: 1500 mm - 30W - 2950lm
On board dimmer
03.8009.14
*Dali 2
03.8009.14.DA
*1-10V
03.8009.14.1V
**Casambi
03.8009.14.CB



Luminous flux luminaire
1012 lm

Beam Angle: 109°

h(m)	E(lx)	D(m)
1	361	2.80
2	90	5.59
3	40	8.39
4	23	11.18
5	14	13.98

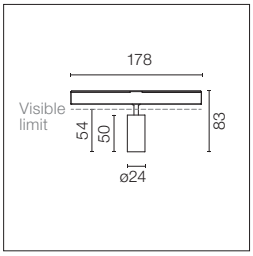
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

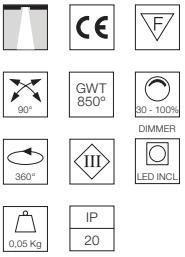
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 50

Light Source: Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet. Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

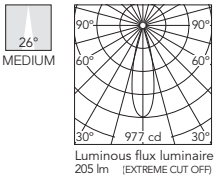
Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

2700K
On board dimmer
- 03.8032.40A
- 03.8032.05A
- 03.8032.14A

*Dali 2
- 03.8032.40ADA
- 03.8032.05ADA
- 03.8032.14ADA

*1-10V
- 03.8032.40A1V
- 03.8032.05A1V
- 03.8032.14A1V

**Casambi
- 03.8032.40ACB
- 03.8032.05ACB
- 03.8032.14ACB



Luminous flux luminaire 205 lm (EXTREME CUT OFF)

Beam Angle: 26°

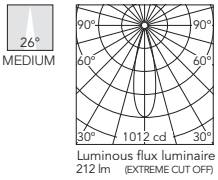
h(m)	E(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

3000K
On board dimmer
- 03.8033.40A
- 03.8033.05A
- 03.8033.14A

*Dali 2
- 03.8033.40ADA
- 03.8033.05ADA
- 03.8033.14ADA

*1-10V
- 03.8033.40A1V
- 03.8033.05A1V
- 03.8033.14A1V

**Casambi
- 03.8033.40ACB
- 03.8033.05ACB
- 03.8033.14ACB



Luminous flux luminaire 212 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

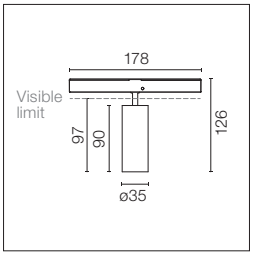
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

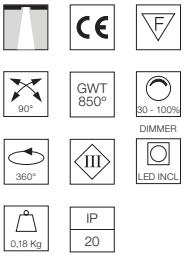
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Spot 90

Light Source: Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

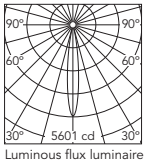
2700K
On board dimmer
- 03.8042.40A
- 03.8042.05A
- 03.8042.14A

*Dali 2
- 03.8042.40ADA
- 03.8042.05ADA
- 03.8042.14ADA

*1-10V
- 03.8042.40A1V
- 03.8042.05A1V
- 03.8042.14A1V

**Casambi
- 03.8042.40ACB
- 03.8042.05ACB
- 03.8042.14ACB

14° SPOT



Luminous flux luminaire 428 lm [EXTREME CUT OFF]

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

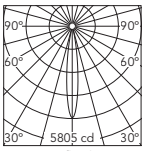
3000K
On board dimmer
- 03.8043.40A
- 03.8043.05A
- 03.8043.14A

*Dali 2
- 03.8043.40ADA
- 03.8043.05ADA
- 03.8043.14ADA

*1-10V
- 03.8043.40A1V
- 03.8043.05A1V
- 03.8043.14A1V

**Casambi
- 03.8043.40ACB
- 03.8043.05ACB
- 03.8043.14ACB

14° SPOT



Luminous flux luminaire 443 lm [EXTREME CUT OFF]

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

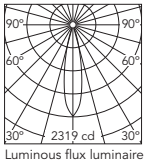
2700K
On board dimmer
- 03.8044.40A
- 03.8044.05A
- 03.8044.14A

*Dali 2
- 03.8044.40ADA
- 03.8044.05ADA
- 03.8044.14ADA

*1-10V
- 03.8044.40A1V
- 03.8044.05A1V
- 03.8044.14A1V

**Casambi
- 03.8044.40ACB
- 03.8044.05ACB
- 03.8044.14ACB

22° MEDIUM



Luminous flux luminaire 392 lm [EXTREME CUT OFF]

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

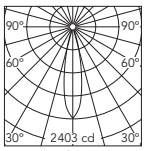
3000K
On board dimmer
- 03.8045.40A
- 03.8045.05A
- 03.8045.14A

*Dali 2
- 03.8045.40ADA
- 03.8045.05ADA
- 03.8045.14ADA

*1-10V
- 03.8045.40A1V
- 03.8045.05A1V
- 03.8045.14A1V

**Casambi
- 03.8045.40ACB
- 03.8045.05ACB
- 03.8045.14ACB

22° MEDIUM



Luminous flux luminaire 406 lm [EXTREME CUT OFF]

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

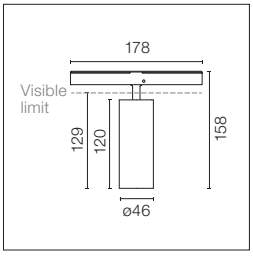
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

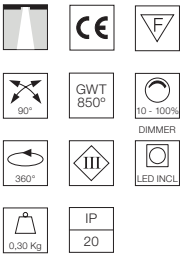
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Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

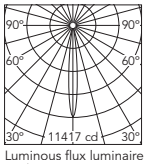
2700K
On board dimmer
- 03.8052.40A
- 03.8052.05A
- 03.8052.14A

*Dali 2
- 03.8052.40ADA
- 03.8052.05ADA
- 03.8052.14ADA

*1-10V
- 03.8052.40A1V
- 03.8052.05A1V
- 03.8052.14A1V

**Casambi
- 03.8052.40ACB
- 03.8052.05ACB
- 03.8052.14ACB

11° SPOT



Luminous flux luminaire
539 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11417	0.19
2	2854	0.37
3	1269	0.56
4	714	0.75
5	457	0.93

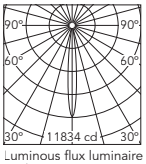
3000K
On board dimmer
- 03.8053.40A
- 03.8053.05A
- 03.8053.14A

*Dali 2
- 03.8053.40ADA
- 03.8053.05ADA
- 03.8053.14ADA

*1-10V
- 03.8053.40A1V
- 03.8053.05A1V
- 03.8053.14A1V

**Casambi
- 03.8053.40ACB
- 03.8053.05ACB
- 03.8053.14ACB

11° SPOT



Luminous flux luminaire
558 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11834	0.19
2	2958	0.37
3	1315	0.56
4	740	0.75
5	473	0.93

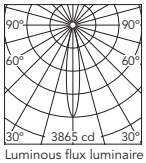
2700K
On board dimmer
- 03.8054.40A
- 03.8054.05A
- 03.8054.14A

*Dali 2
- 03.8054.40ADA
- 03.8054.05ADA
- 03.8054.14ADA

*1-10V
- 03.8054.40A1V
- 03.8054.05A1V
- 03.8054.14A1V

**Casambi
- 03.8054.40ACB
- 03.8054.05ACB
- 03.8054.14ACB

17° MEDIUM



Luminous flux luminaire
487 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3865	0.29
2	966	0.59
3	429	0.88
4	242	1.18
5	155	1.47

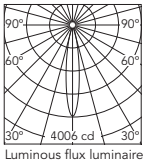
3000K
On board dimmer
- 03.8055.40A
- 03.8055.05A
- 03.8055.14A

*Dali 2
- 03.8055.40ADA
- 03.8055.05ADA
- 03.8055.14ADA

*1-10V
- 03.8055.40A1V
- 03.8055.05A1V
- 03.8055.14A1V

**Casambi
- 03.8055.40ACB
- 03.8055.05ACB
- 03.8055.14ACB

17° MEDIUM



Luminous flux luminaire
505 lm (EXTREME CUT OFF)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4006	0.29
2	1001	0.59
3	445	0.88
4	250	1.18
5	160	1.47

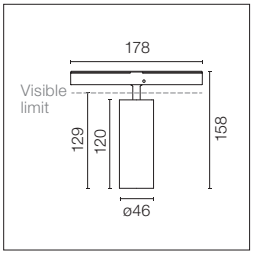
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

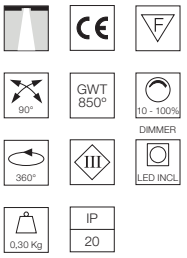
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Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece) except for the chrome finish.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Accesorios incluidos (honeycomb y cruceta de apantallamiento), excepto para el acabado cromo.

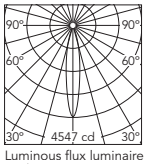
2700K
On board dimmer
- 03.8154.40
- 03.8154.05
- 03.8154.14

*Dali 2
- 03.8154.40.DA
- 03.8154.05.DA
- 03.8154.14.DA

*1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V

**Casambi
- 03.8154.40.CB
- 03.8154.05.CB
- 03.8154.14.CB

17° MEDIUM



Luminous flux luminaire 654 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

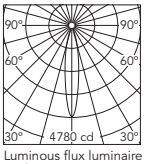
3000K
On board dimmer
- 03.8155.40
- 03.8155.05
- 03.8155.14

*Dali 2
- 03.8155.40.DA
- 03.8155.05.DA
- 03.8155.14.DA

*1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V

**Casambi
- 03.8155.40.CB
- 03.8155.05.CB
- 03.8155.14.CB

17° MEDIUM



Luminous flux luminaire 687 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

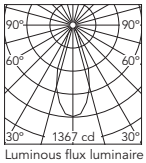
2700K
On board dimmer
- 03.8156.40
- 03.8156.05
- 03.8156.14

*Dali 2
- 03.8156.40.DA
- 03.8156.05.DA
- 03.8156.14.DA

*1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V

**Casambi
- 03.8156.40.CB
- 03.8156.05.CB
- 03.8156.14.CB

40° FLOOD



Luminous flux luminaire 599 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

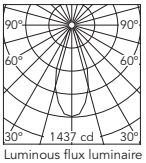
3000K
On board dimmer
- 03.8157.40
- 03.8157.05
- 03.8157.14

*Dali 2
- 03.8157.40.DA
- 03.8157.05.DA
- 03.8157.14.DA

*1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V

**Casambi
- 03.8157.40.CB
- 03.8157.05.CB
- 03.8157.14.CB

40° FLOOD



Luminous flux luminaire 629 lm

Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

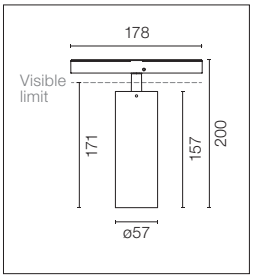
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

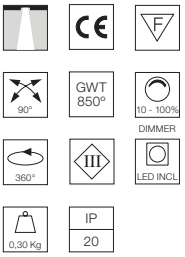
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Spot 150

Light Source: LED Array 22,5W - 2411 lm - 2700K/CRI 90 / 22,5W - 2569 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

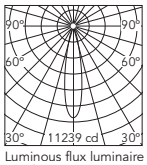
2700K
On board dimmer
- 03.8072.40A
- 03.8072.05A
- 03.8072.14A

*Dali 2
- 03.8072.40ADA
- 03.8072.05ADA
- 03.8072.14ADA

*1-10V
- 03.8072.40A1V
- 03.8072.05A1V
- 03.8072.14A1V

**Casambi
- 03.8072.40ACB
- 03.8072.05ACB
- 03.8072.14ACB

21° SPOT



Luminous flux luminaire
1818 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11239	0.37
2	2810	0.74
3	1249	1.11
4	702	1.48
5	450	1.85

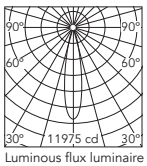
3000K
On board dimmer
- 03.8073.40A
- 03.8073.05A
- 03.8073.14A

*Dali 2
- 03.8073.40ADA
- 03.8073.05ADA
- 03.8073.14ADA

*1-10V
- 03.8073.40A1V
- 03.8073.05A1V
- 03.8073.14A1V

**Casambi
- 03.8073.40ACB
- 03.8073.05ACB
- 03.8073.14ACB

21° SPOT



Luminous flux luminaire
1937 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11975	0.37
2	2994	0.74
3	1331	1.11
4	748	1.48
5	479	1.85

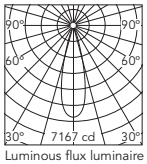
2700K
On board dimmer
- 03.8074.40A
- 03.8074.05A
- 03.8074.14A

*Dali 2
- 03.8074.40ADA
- 03.8074.05ADA
- 03.8074.14ADA

*1-10V
- 03.8074.40A1V
- 03.8074.05A1V
- 03.8074.14A1V

**Casambi
- 03.8074.40ACB
- 03.8074.05ACB
- 03.8074.14ACB

27° MEDIUM



Luminous flux luminaire
1564 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7167	0.49
2	1792	0.98
3	796	1.47
4	448	1.96
5	287	2.44

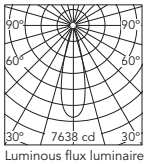
3000K
On board dimmer
- 03.8075.40A
- 03.8075.05A
- 03.8075.14A

*Dali 2
- 03.8075.40ADA
- 03.8075.05ADA
- 03.8075.14ADA

*1-10V
- 03.8075.40A1V
- 03.8075.05A1V
- 03.8075.14A1V

**Casambi
- 03.8075.40ACB
- 03.8075.05ACB
- 03.8075.14ACB

27° MEDIUM



Luminous flux luminaire
1667 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7638	0.49
2	1910	0.98
3	849	1.47
4	477	1.96
5	306	2.44

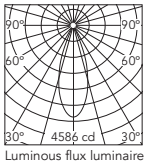
2700K
On board dimmer
- 03.8076.40A
- 03.8076.05A
- 03.8076.14A

*Dali 2
- 03.8076.40ADA
- 03.8076.05ADA
- 03.8076.14ADA

*1-10V
- 03.8076.40A1V
- 03.8076.05A1V
- 03.8076.14A1V

**Casambi
- 03.8076.40ACB
- 03.8076.05ACB
- 03.8076.14ACB

36° FLOOD



Luminous flux luminaire
1569 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4586	0.64
2	1146	1.28
3	510	1.92
4	287	2.56
5	183	3.20

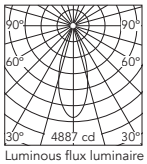
3000K
On board dimmer
- 03.8077.40A
- 03.8077.05A
- 03.8077.14A

*Dali 2
- 03.8077.40ADA
- 03.8077.05ADA
- 03.8077.14ADA

*1-10V
- 03.8077.40A1V
- 03.8077.05A1V
- 03.8077.14A1V

**Casambi
- 03.8077.40ACB
- 03.8077.05ACB
- 03.8077.14ACB

36° FLOOD



Luminous flux luminaire
1672 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4887	0.64
2	1222	1.28
3	543	1.92
4	305	2.56
5	195	3.20

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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Accesorios / Accessories

Spot 150***

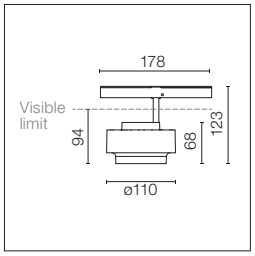
Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

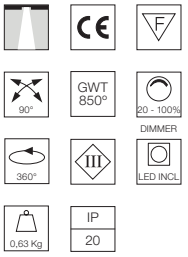
*** Except chrome finish

Anthony Spot Track By Antonio Citterio

Light Source: LED Array 16,5W - 1620 lm - 2700K/CRI 90 / 16,5W - 1730 lm - 3000K/CRI 90







Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Ver accesorios disponibles.

2700K

On board dimmer

- 03.8025.40
- 03.8025.05
- 03.8025.14

*Dali 2

- 03.8025.40.DA
- 03.8025.05.DA
- 03.8025.14.DA

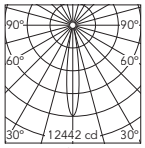
*1-10V

- 03.8025.40.1V
- 03.8025.05.1V
- 03.8025.14.1V

**Casambi

- 03.8025.40.CB
- 03.8025.05.CB
- 03.8025.14.CB

15° SPOT



Luminous flux luminaire
1241 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	12442	0.27
2	3110	0.54
3	1382	0.81
4	778	1.07
5	498	1.34

3000K

On board dimmer

- 03.8027.40
- 03.8027.05
- 03.8027.14

*Dali 2

- 03.8027.40.DA
- 03.8027.05.DA
- 03.8027.14.DA

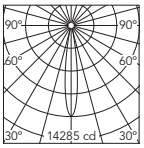
*1-10V

- 03.8027.40.1V
- 03.8027.05.1V
- 03.8027.14.1V

**Casambi

- 03.8027.40.CB
- 03.8027.05.CB
- 03.8027.14.CB

15° SPOT



Luminous flux luminaire
1425 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14285	0.27
2	3571	0.54
3	1587	0.81
4	893	1.07
5	571	1.34

2700K

On board dimmer

- 03.8026.40
- 03.8026.05
- 03.8026.14

*Dali 2

- 03.8026.40.DA
- 03.8026.05.DA
- 03.8026.14.DA

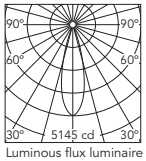
*1-10V

- 03.8026.40.1V
- 03.8026.05.1V
- 03.8026.14.1V

**Casambi

- 03.8026.40.CB
- 03.8026.05.CB
- 03.8026.14.CB

28° MEDIUM



Luminous flux luminaire
1242 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	5145	0.49
2	1286	0.98
3	572	1.47
4	322	1.97
5	206	2.46

3000K

On board dimmer

- 03.8028.40
- 03.8028.05
- 03.8028.14

*Dali 2

- 03.8028.40.DA
- 03.8028.05.DA
- 03.8028.14.DA

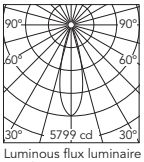
*1-10V

- 03.8028.40.1V
- 03.8028.05.1V
- 03.8028.14.1V

**Casambi

- 03.8028.40.CB
- 03.8028.05.CB
- 03.8028.14.CB

28° MEDIUM



Luminous flux luminaire
1399 lm

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	5799	0.49
2	1450	0.98
3	644	1.47
4	362	1.97
5	232	2.46

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Accesorios / Accessories

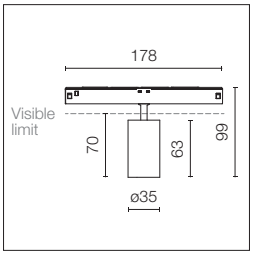
Anthony Spot

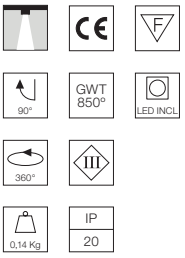
Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35º) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35º) pedir Anthony Spot Medium + lente flood.		08.0050.00

Light Shadow Spot 30

Light Source: Power LED 4,5W - 257 lm - 2700K/CRI 90 / 4,5W - 263 lm - 3000K/CRI 90







LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

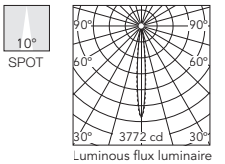
Optic Spot - 2700K

On board dimmer
- 05.9000.40
- 05.9000.14
- 05.9000.ER
- 05.9000.ES
- 05.9000.EQ

Dali 2
- 05.9000.40.DA
- 05.9000.14.DA
- 05.9000.ER.DA
- 05.9000.ES.DA
- 05.9000.EQ.DA

1-10V
- 05.9000.40.1V
- 05.9000.14.1V
- 05.9000.ER.1V
- 05.9000.ES.1V
- 05.9000.EQ.1V

Casambi
- 05.9000.40.CB
- 05.9000.14.CB
- 05.9000.ER.CB
- 05.9000.ES.CB
- 05.9000.EQ.CB



Luminous flux luminaire 209 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3772	0.18
2	943	0.36
3	419	0.54
4	236	0.72
5	151	0.90

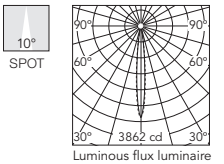
Optic Spot - 3000K

On board dimmer
- 05.9005.40
- 05.9005.14
- 05.9005.ER
- 05.9005.ES
- 05.9005.EQ

Dali 2
- 05.9005.40.DA
- 05.9005.14.DA
- 05.9005.ER.DA
- 05.9005.ES.DA
- 05.9005.EQ.DA

1-10V
- 05.9005.40.1V
- 05.9005.14.1V
- 05.9005.ER.1V
- 05.9005.ES.1V
- 05.9005.EQ.1V

Casambi
- 05.9005.40.CB
- 05.9005.14.CB
- 05.9005.ER.CB
- 05.9005.ES.CB
- 05.9005.EQ.CB



Luminous flux luminaire 214 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	3862	0.18
2	966	0.36
3	429	0.54
4	241	0.72
5	154	0.90

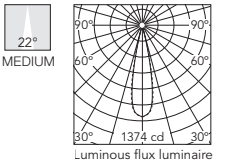
Optic Medium - 2700K

On board dimmer
- 05.9001.40
- 05.9001.14
- 05.9001.ER
- 05.9001.ES
- 05.9001.EQ

Dali 2
- 05.9001.40.DA
- 05.9001.14.DA
- 05.9001.ER.DA
- 05.9001.ES.DA
- 05.9001.EQ.DA

1-10V
- 05.9001.40.1V
- 05.9001.14.1V
- 05.9001.ER.1V
- 05.9001.ES.1V
- 05.9001.EQ.1V

Casambi
- 05.9001.40.CB
- 05.9001.14.CB
- 05.9001.ER.CB
- 05.9001.ES.CB
- 05.9001.EQ.CB



Luminous flux luminaire 201 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1374	0.39
2	344	0.78
3	153	1.17
4	86	1.56
5	55	1.95

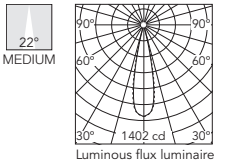
Optic Medium - 3000K

On board dimmer
- 05.9006.40
- 05.9006.14
- 05.9006.ER
- 05.9006.ES
- 05.9006.EQ

Dali 2
- 05.9006.40.DA
- 05.9006.14.DA
- 05.9006.ER.DA
- 05.9006.ES.DA
- 05.9006.EQ.DA

1-10V
- 05.9006.40.1V
- 05.9006.14.1V
- 05.9006.ER.1V
- 05.9006.ES.1V
- 05.9006.EQ.1V

Casambi
- 05.9006.40.CB
- 05.9006.14.CB
- 05.9006.ER.CB
- 05.9006.ES.CB
- 05.9006.EQ.CB



Luminous flux luminaire 205 lm

Beam Angle: 22°

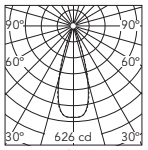
h(m)	E(lx)	D(m)
1	1402	0.39
2	350	0.78
3	156	1.17
4	88	1.56
5	56	1.95

Optic Flood - 2700K

On board dimmer

- 05.9002.40
- 05.9002.14
- 05.9002.ER
- 05.9002.ES
- 05.9002.EQ





Luminous flux luminaire
200 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	625	0.60
2	156	1.19
3	69	1.79
4	39	2.39
5	25	2.99

Dali 2

- 05.9002.40.DA
- 05.9002.14.DA
- 05.9002.ER.DA
- 05.9002.ES.DA
- 05.9002.EQ.DA

1-10V

- 05.9002.40.1V
- 05.9002.14.1V
- 05.9002.ER.1V
- 05.9002.ES.1V
- 05.9002.EQ.1V

Casambi

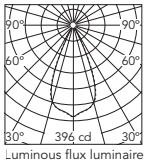
- 05.9002.40.CB
- 05.9002.14.CB
- 05.9002.ER.CB
- 05.9002.ES.CB
- 05.9002.EQ.CB

Optic Wide Flood - 2700K

On board dimmer

- 05.9003.40
- 05.9003.14
- 05.9003.ER
- 05.9003.ES
- 05.9003.EQ





Luminous flux luminaire
209 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	396	0.84
2	99	1.69
3	44	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9003.40.DA
- 05.9003.14.DA
- 05.9003.ER.DA
- 05.9003.ES.DA
- 05.9003.EQ.DA

1-10V

- 05.9003.40.1V
- 05.9003.14.1V
- 05.9003.ER.1V
- 05.9003.ES.1V
- 05.9003.EQ.1V

Casambi

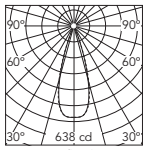
- 05.9003.40.CB
- 05.9003.14.CB
- 05.9003.ER.CB
- 05.9003.ES.CB
- 05.9003.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9007.40
- 05.9007.14
- 05.9007.ER
- 05.9007.ES
- 05.9007.EQ





Luminous flux luminaire
204 lm

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	638	0.60
2	159	1.19
3	71	1.79
4	40	2.39
5	26	2.99

Dali 2

- 05.9007.40.DA
- 05.9007.14.DA
- 05.9007.ER.DA
- 05.9007.ES.DA
- 05.9007.EQ.DA

1-10V

- 05.9007.40.1V
- 05.9007.14.1V
- 05.9007.ER.1V
- 05.9007.ES.1V
- 05.9007.EQ.1V

Casambi

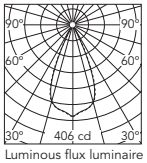
- 05.9007.40.CB
- 05.9007.14.CB
- 05.9007.ER.CB
- 05.9007.ES.CB
- 05.9007.EQ.CB

Optic Wide Flood - 3000K

On board dimmer

- 05.9008.40
- 05.9008.14
- 05.9008.ER
- 05.9008.ES
- 05.9008.EQ





Luminous flux luminaire
214 lm

Beam Angle:	46°
h(m)	E(lx)	D(m)
1	406	0.84
2	101	1.69
3	45	2.53
4	25	3.38
5	16	4.22

Dali 2

- 05.9008.40.DA
- 05.9008.14.DA
- 05.9008.ER.DA
- 05.9008.ES.DA
- 05.9008.EQ.DA

1-10V

- 05.9008.40.1V
- 05.9008.14.1V
- 05.9008.ER.1V
- 05.9008.ES.1V
- 05.9008.EQ.1V

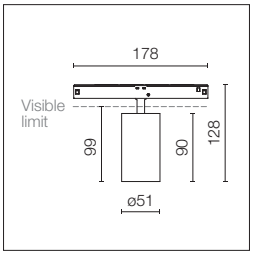
Casambi

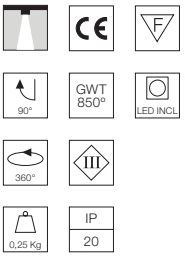
- 05.9008.40.CB
- 05.9008.14.CB
- 05.9008.ER.CB
- 05.9008.ES.CB
- 05.9008.EQ.CB

Light Shadow Spot 45

Light Source: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90







LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

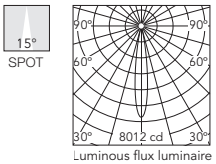
Optic Spot - 2700K

On board dimmer
- 05.9030.40
- 05.9030.14
- 05.9030.ER
- 05.9030.ES
- 05.9030.EQ

Dali 2
- 05.9030.40.DA
- 05.9030.14.DA
- 05.9030.ER.DA
- 05.9030.ES.DA
- 05.9030.EQ.DA

1-10V
- 05.9030.40.1V
- 05.9030.14.1V
- 05.9030.ER.1V
- 05.9030.ES.1V
- 05.9030.EQ.1V

Casambi
- 05.9030.40.CB
- 05.9030.14.CB
- 05.9030.ER.CB
- 05.9030.ES.CB
- 05.9030.EQ.CB



Luminous flux luminaire 650 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8012	0.27
2	2003	0.54
3	890	0.80
4	501	1.07
5	320	1.34

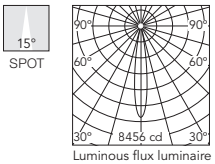
Optic Spot - 3000K

On board dimmer
- 05.9035.40
- 05.9035.14
- 05.9035.ER
- 05.9035.ES
- 05.9035.EQ

Dali 2
- 05.9035.40.DA
- 05.9035.14.DA
- 05.9035.ER.DA
- 05.9035.ES.DA
- 05.9035.EQ.DA

1-10V
- 05.9035.40.1V
- 05.9035.14.1V
- 05.9035.ER.1V
- 05.9035.ES.1V
- 05.9035.EQ.1V

Casambi
- 05.9035.40.CB
- 05.9035.14.CB
- 05.9035.ER.CB
- 05.9035.ES.CB
- 05.9035.EQ.CB



Luminous flux luminaire 686 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

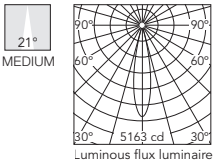
Optic Medium - 2700K

On board dimmer
- 05.9031.40
- 05.9031.14
- 05.9031.ER
- 05.9031.ES
- 05.9031.EQ

Dali 2
- 05.9031.40.DA
- 05.9031.14.DA
- 05.9031.ER.DA
- 05.9031.ES.DA
- 05.9031.EQ.DA

1-10V
- 05.9031.40.1V
- 05.9031.14.1V
- 05.9031.ER.1V
- 05.9031.ES.1V
- 05.9031.EQ.1V

Casambi
- 05.9031.40.CB
- 05.9031.14.CB
- 05.9031.ER.CB
- 05.9031.ES.CB
- 05.9031.EQ.CB



Luminous flux luminaire 645 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5163	0.36
2	1291	0.73
3	574	1.09
4	323	1.46
5	207	1.82

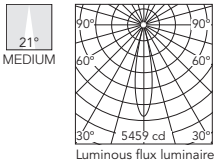
Optic Medium - 3000K

On board dimmer
- 05.9036.40
- 05.9036.14
- 05.9036.ER
- 05.9036.ES
- 05.9036.EQ

Dali 2
- 05.9036.40.DA
- 05.9036.14.DA
- 05.9036.ER.DA
- 05.9036.ES.DA
- 05.9036.EQ.DA

1-10V
- 05.9036.40.1V
- 05.9036.14.1V
- 05.9036.ER.1V
- 05.9036.ES.1V
- 05.9036.EQ.1V

Casambi
- 05.9036.40.CB
- 05.9036.14.CB
- 05.9036.ER.CB
- 05.9036.ES.CB
- 05.9036.EQ.CB



Luminous flux luminaire 682 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Optic Flood - 2700K

On board dimmer

- 05.9032.40
- 05.9032.14
- 05.9032.ER
- 05.9032.ES
- 05.9032.EQ

Dali 2

- 05.9032.40.DA
- 05.9032.14.DA
- 05.9032.ER.DA
- 05.9032.ES.DA
- 05.9032.EQ.DA

1-10V

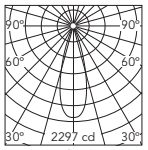
- 05.9032.40.1V
- 05.9032.14.1V
- 05.9032.ER.1V
- 05.9032.ES.1V
- 05.9032.EQ.1V

Casambi

- 05.9032.40.CB
- 05.9032.14.CB
- 05.9032.ER.CB
- 05.9032.ES.CB
- 05.9032.EQ.CB



FLOOD



Luminous flux luminaire
646 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2296	0.56
2	574	1.11
3	255	1.67
4	144	2.22
5	92	2.78

Optic Flood - 3000K

On board dimmer

- 05.9037.40
- 05.9037.14
- 05.9037.ER
- 05.9037.ES
- 05.9037.EQ

Dali 2

- 05.9037.40.DA
- 05.9037.14.DA
- 05.9037.ER.DA
- 05.9037.ES.DA
- 05.9037.EQ.DA

1-10V

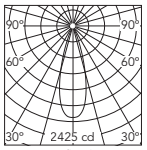
- 05.9037.40.1V
- 05.9037.14.1V
- 05.9037.ER.1V
- 05.9037.ES.1V
- 05.9037.EQ.1V

Casambi

- 05.9037.40.CB
- 05.9037.14.CB
- 05.9037.ER.CB
- 05.9037.ES.CB
- 05.9037.EQ.CB



FLOOD



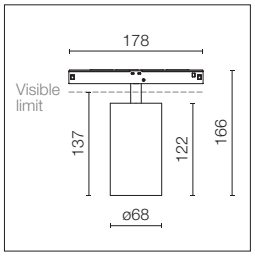
Luminous flux luminaire
682 lm

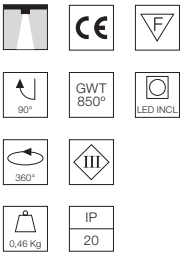
Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Light Shadow Spot 60

Light Source: Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

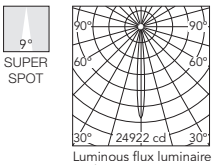
Optic Super Spot - 2700K

On board dimmer
- 05.9060.40
- 05.9060.14
- 05.9060.ER
- 05.9060.ES
- 05.9060.EQ

Dali 2
- 05.9060.40.DA
- 05.9060.14.DA
- 05.9060.ER.DA
- 05.9060.ES.DA
- 05.9060.EQ.DA

1-10V
- 05.9060.40.1V
- 05.9060.14.1V
- 05.9060.ER.1V
- 05.9060.ES.1V
- 05.9060.EQ.1V

Casambi
- 05.9060.40.CB
- 05.9060.14.CB
- 05.9060.ER.CB
- 05.9060.ES.CB
- 05.9060.EQ.CB



Luminous flux luminaire 765 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	24922	0.16
2	6230	0.32
3	2769	0.48
4	1558	0.64
5	997	0.80

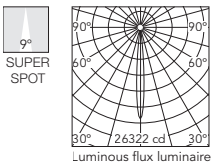
Optic Super Spot - 3000K

On board dimmer
- 05.9065.40
- 05.9065.14
- 05.9065.ER
- 05.9065.ES
- 05.9065.EQ

Dali 2
- 05.9065.40.DA
- 05.9065.14.DA
- 05.9065.ER.DA
- 05.9065.ES.DA
- 05.9065.EQ.DA

1-10V
- 05.9065.40.1V
- 05.9065.14.1V
- 05.9065.ER.1V
- 05.9065.ES.1V
- 05.9065.EQ.1V

Casambi
- 05.9065.40.CB
- 05.9065.14.CB
- 05.9065.ER.CB
- 05.9065.ES.CB
- 05.9065.EQ.CB



Luminous flux luminaire 808 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

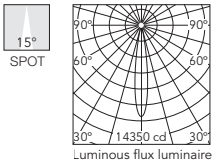
Optic Spot - 2700K

On board dimmer
- 05.9061.40
- 05.9061.14
- 05.9061.ER
- 05.9061.ES
- 05.9061.EQ

Dali 2
- 05.9061.40.DA
- 05.9061.14.DA
- 05.9061.ER.DA
- 05.9061.ES.DA
- 05.9061.EQ.DA

1-10V
- 05.9061.40.1V
- 05.9061.14.1V
- 05.9061.ER.1V
- 05.9061.ES.1V
- 05.9061.EQ.1V

Casambi
- 05.9061.40.CB
- 05.9061.14.CB
- 05.9061.ER.CB
- 05.9061.ES.CB
- 05.9061.EQ.CB



Luminous flux luminaire 1251 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14350	0.27
2	3587	0.54
3	1594	0.81
4	897	1.09
5	574	1.36

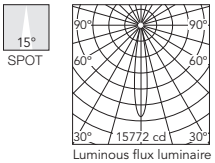
Optic Spot - 3000K

On board dimmer
- 05.9066.40
- 05.9066.14
- 05.9066.ER
- 05.9066.ES
- 05.9066.EQ

Dali 2
- 05.9066.40.DA
- 05.9066.14.DA
- 05.9066.ER.DA
- 05.9066.ES.DA
- 05.9066.EQ.DA

1-10V
- 05.9066.40.1V
- 05.9066.14.1V
- 05.9066.ER.1V
- 05.9066.ES.1V
- 05.9066.EQ.1V

Casambi
- 05.9066.40.CB
- 05.9066.14.CB
- 05.9066.ER.CB
- 05.9066.ES.CB
- 05.9066.EQ.CB



Luminous flux luminaire 1375 lm

Beam Angle: 15°

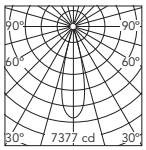
h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Optic Medium - 2700K

On board dimmer

- 05.9062.40
- 05.9062.14
- 05.9062.ER
- 05.9062.ES
- 05.9062.EQ





Luminous flux luminaire
1298 lm

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	7377	0.45
2	1844	0.91
3	820	1.36
4	461	1.82
5	295	2.27

Dali 2

- 05.9062.40.DA
- 05.9062.14.DA
- 05.9062.ER.DA
- 05.9062.ES.DA
- 05.9062.EQ.DA

1-10V

- 05.9062.40.1V
- 05.9062.14.1V
- 05.9062.ER.1V
- 05.9062.ES.1V
- 05.9062.EQ.1V

Casambi

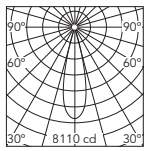
- 05.9062.40.CB
- 05.9062.14.CB
- 05.9062.ER.CB
- 05.9062.ES.CB
- 05.9062.EQ.CB

Optic Medium - 3000K

On board dimmer

- 05.9067.40
- 05.9067.14
- 05.9067.ER
- 05.9067.ES
- 05.9067.EQ





Luminous flux luminaire
1427 lm

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	8110	0.45
2	2027	0.91
3	901	1.36
4	507	1.82
5	324	2.27

Dali 2

- 05.9067.40.DA
- 05.9067.14.DA
- 05.9067.ER.DA
- 05.9067.ES.DA
- 05.9067.EQ.DA

1-10V

- 05.9067.40.1V
- 05.9067.14.1V
- 05.9067.ER.1V
- 05.9067.ES.1V
- 05.9067.EQ.1V

Casambi

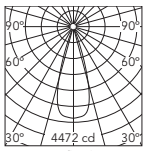
- 05.9067.40.CB
- 05.9067.14.CB
- 05.9067.ER.CB
- 05.9067.ES.CB
- 05.9067.EQ.CB

Optic Flood - 2700K

On board dimmer

- 05.9063.40
- 05.9063.14
- 05.9063.ER
- 05.9063.ES
- 05.9063.EQ





Luminous flux luminaire
1304 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	4472	0.60
2	1118	1.20
3	497	1.80
4	279	2.40
5	179	3.00

Dali 2

- 05.9063.40.DA
- 05.9063.14.DA
- 05.9063.ER.DA
- 05.9063.ES.DA
- 05.9063.EQ.DA

1-10V

- 05.9063.40.1V
- 05.9063.14.1V
- 05.9063.ER.1V
- 05.9063.ES.1V
- 05.9063.EQ.1V

Casambi

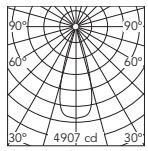
- 05.9063.40.CB
- 05.9063.14.CB
- 05.9063.ER.CB
- 05.9063.ES.CB
- 05.9063.EQ.CB

Optic Flood - 3000K

On board dimmer

- 05.9068.40
- 05.9068.14
- 05.9068.ER
- 05.9068.ES
- 05.9068.EQ





Luminous flux luminaire
1431 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	4907	0.60
2	1227	1.20
3	545	1.80
4	307	2.40
5	196	3.00

Dali 2

- 05.9068.40.DA
- 05.9068.14.DA
- 05.9068.ER.DA
- 05.9068.ES.DA
- 05.9068.EQ.DA

1-10V

- 05.9068.40.1V
- 05.9068.14.1V
- 05.9068.ER.1V
- 05.9068.ES.1V
- 05.9068.EQ.1V

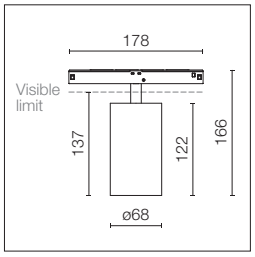
Casambi

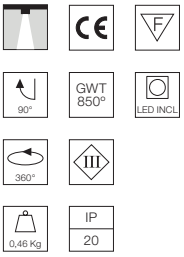
- 05.9068.40.CB
- 05.9068.14.CB
- 05.9068.ER.CB
- 05.9068.ES.CB
- 05.9068.EQ.CB

Light Shadow Spot 60

Light Source: Super Spot: LED Array 10W - 799 lm - 2700K/CRI 90 / 10W - 844 lm - 3000K/CRI 90
S/M/F/WF: LED Array 20W - 1563 lm - 2700K/CRI 90 / 20W - 1751 lm - 3000K/CRI 90







LED accent lighting module for installation in The Tracking Magnet system.
For wireless control of luminaires, please select Casambi integrated versions.
Accessories available, (honeycomb and CCT dichroic filters).

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.
Accesorios disponibles, (panel de abeja y filtros dicroicos CCT).

Optic Wide Flood - 2700K

On board dimmer

- 05.9064.40
- 05.9064.14
- 05.9064.ER
- 05.9064.ES
- 05.9064.EQ

Dali 2

- 05.9064.40.DA
- 05.9064.14.DA
- 05.9064.ER.DA
- 05.9064.ES.DA
- 05.9064.EQ.DA

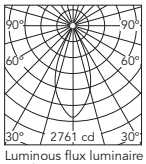
1-10V

- 05.9064.40.1V
- 05.9064.14.1V
- 05.9064.ER.1V
- 05.9064.ES.1V
- 05.9064.EQ.1V

Casambi

- 05.9064.40.CB
- 05.9064.14.CB
- 05.9064.ER.CB
- 05.9064.ES.CB
- 05.9064.EQ.CB





Luminous flux luminaire
1268 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2761	0.79
2	690	1.59
3	307	2.38
4	173	3.17
5	110	3.97

Optic Wide Flood - 3000K

On board dimmer

- 05.9069.40
- 05.9069.14
- 05.9069.ER
- 05.9069.ES
- 05.9069.EQ

Dali 2

- 05.9069.40.DA
- 05.9069.14.DA
- 05.9069.ER.DA
- 05.9069.ES.DA
- 05.9069.EQ.DA

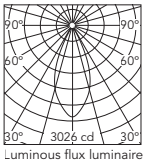
1-10V

- 05.9069.40.1V
- 05.9069.14.1V
- 05.9069.ER.1V
- 05.9069.ES.1V
- 05.9069.EQ.1V

Casambi

- 05.9069.40.CB
- 05.9069.14.CB
- 05.9069.ER.CB
- 05.9069.ES.CB
- 05.9069.EQ.CB





Luminous flux luminaire
1390 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Accesorios / Accessories

Light Shadow Spot 30

Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0792.00

Light Shadow Spot 45

Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0795.00

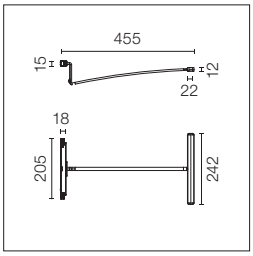
Light Shadow Spot 60

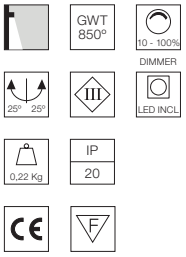
Honeycomb	Panel de abeja		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase Super Spot 2700K >> 3125±75K 3000K >> 3600±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 2700K >> 3125±75K 3000K >> 3600±75K 08.0798.00
			Decrease Super Spot 2700K >> 2450±75K 3000K >> 2700±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 2700K >> 2450±75K 3000K >> 2700±75K 08.0799.00

Wallee Designed By Niels Bendtsen

Light Source: Top LED 10W - 773 lm - 2700K/CRI 90 / 10W - 818 lm - 3000K/CRI 90







Lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

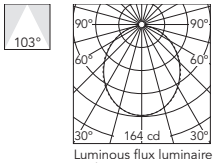
When installing Wallee, it may require a manual adjustment by the client/installer. Find information on how to carry out this adjustment in the instruction sheets.
Only allowed with Tracking Magnet Recessed and horizontal installation.
Includes frame holder up to 5kg.

Módulo de iluminación LED para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Al instalar Wallee, puede que requiera un ajuste manual por parte del cliente/instalador. Puede encontrar la información sobre cómo realizar este ajuste en las hojas de instrucciones.
Solo permitido para instalaciones con Tracking Magnet Recessed y en horizontal.
Incluye soporte para cuadros de hasta 5kg.

2700K
On board dimmer
03.8090.40
03.8090.14

*Casambi
03.8090.40.CB
03.8090.14.CB



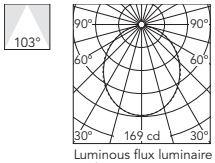
Luminous flux luminaire
431 lm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	164	2.50
2	41	5.00
3	18	7.49
4	10	9.99
5	7	12.49

3000K
On board dimmer
03.8091.40
03.8091.14

*Casambi
03.8091.40.CB
03.8091.14.CB



Luminous flux luminaire
446 lm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	169	2.50
2	42	5.00
3	19	7.49
4	11	9.99
5	7	12.49

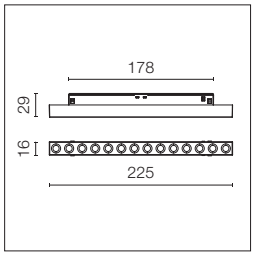
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

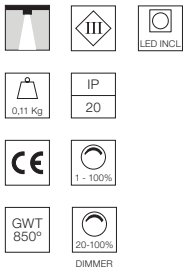
NEW

Multi Spot Mini

Light Source: Power LED 7W - 635 lm - 2700K/CRI 90 / 7W - 650 lm - 3000K/CRI 90







LED lighting module with 14 spotlights and low glare, to be installed in The Tracking Magnet system.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de 14 focos y bajo deslumbramiento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi.

Optic Spot - 2700K

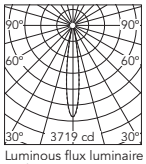
On board dimmer
- 05.3550.40
- 05.3550.14

Dali 2
- 05.3550.40.DA
- 05.3550.14.DA

1-10V
- 05.3550.40.1V
- 05.3550.14.1V

*Casambi
- 05.3550.40.CB
- 05.3550.14.CB

15° SPOT



Luminous flux luminaire 398 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3719	0.27
2	930	0.54
3	413	0.81
4	232	1.08
5	149	1.35

Optic Spot - 3000K

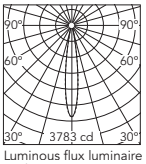
On board dimmer
- 05.3551.40
- 05.3551.14

Dali 2
- 05.3551.40.DA
- 05.3551.14.DA

1-10V
- 05.3551.40.1V
- 05.3551.14.1V

*Casambi
- 05.3551.40.CB
- 05.3551.14.CB

15° SPOT



Luminous flux luminaire 405 lm (EXTREME CUT OFF)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3783	0.27
2	946	0.54
3	420	0.81
4	236	1.08
5	151	1.35

Optic Medium - 2700K

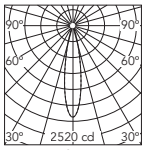
On board dimmer
- 05.3552.40
- 05.3552.14

Dali 2
- 05.3552.40.DA
- 05.3552.14.DA

1-10V
- 05.3552.40.1V
- 05.3552.14.1V

*Casambi
- 05.3552.40.CB
- 05.3552.14.CB

20° MEDIUM



Luminous flux luminaire 424 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2520	0.36
2	630	0.72
3	280	1.08
4	158	1.44
5	101	1.80

Optic Medium - 3000K

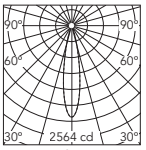
On board dimmer
- 05.3553.40
- 05.3553.14

Dali 2
- 05.3553.40.DA
- 05.3553.14.DA

1-10V
- 05.3553.40.1V
- 05.3553.14.1V

*Casambi
- 05.3553.40.CB
- 05.3553.14.CB

20° MEDIUM



Luminous flux luminaire 431 lm (EXTREME CUT OFF)

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2564	0.36
2	641	0.72
3	285	1.08
4	160	1.44
5	103	1.80

Optic Flood - 2700K

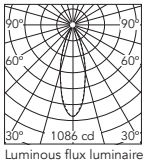
On board dimmer
- 05.3554.40
- 05.3554.14

Dali 2
- 05.3554.40.DA
- 05.3554.14.DA

1-10V
- 05.3554.40.1V
- 05.3554.14.1V

*Casambi
- 05.3554.40.CB
- 05.3554.14.CB

32° FLOOD



Luminous flux luminaire 391 lm (EXTREME CUT OFF)

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1086	0.58
2	271	1.15
3	121	1.73
4	68	2.30
5	43	2.88

Optic Flood - 3000K

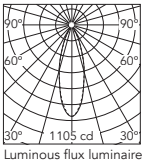
On board dimmer
- 05.3555.40
- 05.3555.14

Dali 2
- 05.3555.40.DA
- 05.3555.14.DA

1-10V
- 05.3555.40.1V
- 05.3555.14.1V

*Casambi
- 05.3555.40.CB
- 05.3555.14.CB

32° FLOOD



Luminous flux luminaire 397 lm (EXTREME CUT OFF)

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	1105	0.58
2	276	1.15
3	123	1.73
4	69	2.30
5	44	2.88

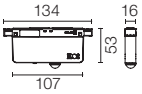
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Multifunction Smart Device

Multifunction Smart Device.
Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector.
FLOS Control® by Casambi.

Dispositivo multifunción inteligente.
Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia.
FLOS Control® by Casambi.

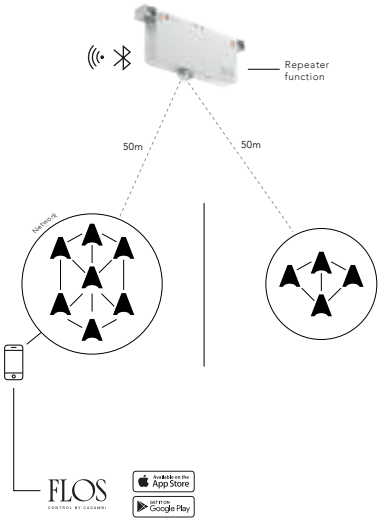




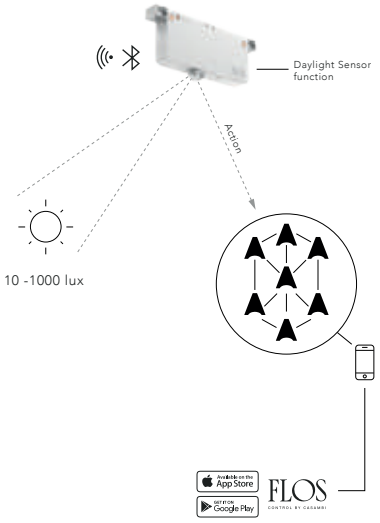
06.1988.40
06.1988.14

Multifunction Smart Device. Triple Functionality 3x1

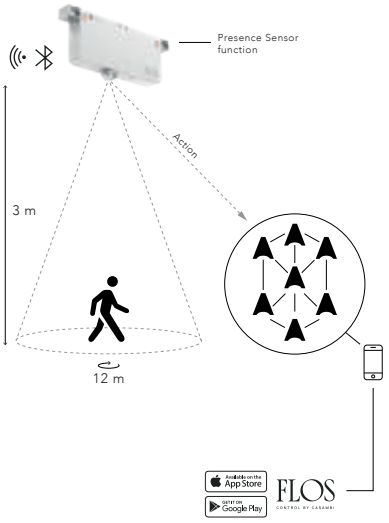
Repeater



Daylight Sensor



Presence Sensor



▲ Casambi object

NEW

THE TRACKING POWER EVO

DESIGNED BY FLOS ARCHITECTURAL



14 Black
14 Negro

LIGHT MODULES

UT PRO 150



LIGHT SOURCE
LED ARRAY
21W
2524 lm
3000K/CRI 80
2183 lm
3000K/CRI 90
2360 lm
4000K/CRI 90

UT PRO 175



LIGHT SOURCE
LED ARRAY
46,5W
4740 lm
3000K/CRI 80
3960 lm
3000K/CRI 90
4278 lm
4000K/CRI 90

UT PRO WALL-WASHER



LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

WORKMATES IN-TRACK SMALL



LIGHT SOURCE
POWER LED
HIGH EFFICIENCY
Up to 15,5W
CRI 90
1817 lm / 3000K
1831 lm / 3500K
1858 lm / 4000K

LIGHT SOURCE
POWER LED
FULL SPECTRUM
Up to 15,5W
CRI 98
1346 lm / 3000K
1357 lm / 3500K
1369 lm / 4000K

WORKMATES IN-TRACK LARGE



LIGHT SOURCE
POWER LED
HIGH EFFICIENCY
Up to 22W
CRI 90
2726 lm / 3000K
2758 lm / 3500K
2786 lm / 4000K

LIGHT SOURCE
POWER LED
FULL SPECTRUM
Up to 22W
CRI 98
2018 lm / 3000K
2036 lm / 3500K
2053 lm / 4000K

NEW

Description
Exclusive 3-phase lighting profile for indoor use in recessed version that, thanks to its low visual impact, offers a complete integration into the architecture.
Tracking Power EVO's structural profiles are manufactured in black extruded aluminium, fitted with electric tracks where luminaries are installed using the exclusive Flos mounting system.
The Tracking Power EVO family is completed with a wide range of projectors which, combined with exclusive electronics integrated into the body of the luminaire, eliminate unnecessary volume and, as a result, have greater integration.
Moreover, the projectors are also available with standard 3-phase profiles.

Optic System
Light modules UT Pro 150 and UT Pro 175 are available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.
The light module UT Pro Wall-Washer brings a uniform light distribution in a high-performance wall-washer.
Workmates In-Track (*Small* & *Large*).

Accessories – UT Modules
Shielding cylinder, elliptical lens, flood and honeycomb lens for accent lighting modules UT Pro 150 and UT Pro 175 available.

Additional Information
IN TRACK luminaries mount a compact adapter that, once installed, is completely integrated within the profile, especially designed for FLOS profile The Tracking Power EVO.
However, the same luminaries are available with a standard Nordic GA69 adapter for installation on FLOS standard 3-phase profiles FLOS.Guaranteed compatibility with 3-phase tracks manufactured by Nordic, Eutrac, Erco, Zumtobel and iGuzzini.
- UT Pro Wall-Washer:
Dali version available with GA-600 adaptor.
IP20 protection grade.
- Profile:
Recessed version that can only be installed in plasterboard ceilings that are 12,5 mm thick.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Exclusivo perfil trifásico de iluminación para interiores en versión empotrada que, gracias a su bajo impacto visual, ofrece una total integración en la arquitectura.
Los perfiles estructurales del Tracking Power EVO han sido realizados con aluminio extruido en negro, provistos de pistas eléctricas sobre las cuales se instalan las luminarias mediante el sistema exclusivo de fijación Flos.
La familia Tracking Power EVO se completa con una amplia gama de proyectores que, combinados con una electrónica exclusiva integrada en el cuerpo de la luminaria eliminan volúmenes innecesarios y consiguen, como resultado, una gran integración.
Además, estos proyectores están también disponibles con adaptadores de perfiles trifásicos estándar.

Sistema Óptico
Los módulos de luz UT Pro 150 y UT Pro 175 se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.
El módulo de luz UT Pro Wall-Washer proporciona una distribución luminosa homogénea, convirtiéndose en un bañador de paredes de altas prestaciones.
Workmates In-Track (*Small* & *Large*).

Accesorios – Módulos UT
Disponible cruceta de apantallamiento, lente elíptica, lente flood y honeycomb para los módulos de iluminación de acento UT Pro 150 y UT Pro 175.

Información Adicional
Las luminarias 'IN TRACK' montan un adaptador de reducidas dimensiones que, una vez instalado, se integra en su totalidad dentro del perfil, especialmente diseñado para utilización en perfil FLOS The Tracking Power EVO.
No obstante, también están disponibles las mismas luminarias con adaptador estándar Nordic GA69 para instalación en perfiles trifásicos estándar de FLOS.
Compatibilidad garantizada con perfiles trifásicos fabricados por Nordic, Eutrac, Erco, Zumtobel e iGuzzini.
- UT Pro Wall-Washer:
Disponible versión Dali con adaptador GA-600.
Índice de protección IP20.
- Perfil:
Versión empotrada, únicamente instalable en techos de cartón-yeso de 12,5mm de espesor.
Instalable sobre superficies normalmente inflamables.

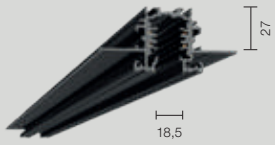
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

NEW

HOW TO ORDER

1 CHOOSE YOUR LENGTH



L: 1 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

End-Feed  Right or Left	L-Joint  Inner or Outer
Jointing Connector 	Insulating Connector 

End Cap No End-Feed



Accessories

Fast Fixing Clamp M6
(Optional)



3 SELECT A LIGHT MODULE

UT Pro 150



On board dimmer

S/M/F

UT Pro 175



On board dimmer

S/M/F

UT Pro Wall-Washer



Non dimmable

Wall-Washer

WORKMATES IN-TRACK SMALL



No DIM / DALI

WIDE FLOOD / OVAL

WORKMATES IN-TRACK LARGE



No DIM / DALI

WIDE FLOOD / OVAL

NEW

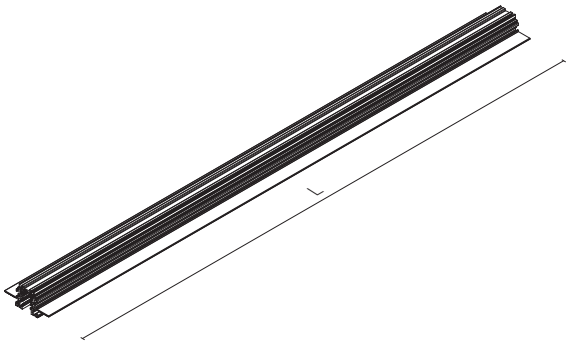
THE TRACKING POWER EVO — PROFILES

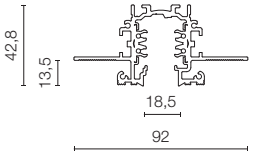
Profiles

Three-phase profile with minimum impact on the architecture for embedded installations in plasterboard ceilings.
Linear profiles available in three lengths: 1 / 2 / 3 m.
90º corners on the same plane are also available (different elements for the left and right corners).
A linear intermediate connector is required to connect several profiles. Power supply connectors available for the installation on the left or right-hand side.
The fastening of the Tracking Power EVO is performed by screwing the sides of the profile to the plasterboard surface, aided by aluminium fastening profiles.
The adjustable ceiling fastening kit (optional) permits the installation without the need for fastening aluminium profiles. Recommended for installations where the Tracking Power EVO profile can be installed before the suspended plasterboard.

Perfiles

Perfil trifásico con mínimo impacto en la arquitectura, para instalaciones empotradas en techos de cartón yeso.
Perfiles lineales disponibles en tres longitudes: 1 / 2 / 3 m.
Disponibles esquinas de 90º en el mismo plano (diferentes elementos para esquina izquierda y derecha).
Necesario conector intermedio lineal para conectar varios perfiles.
Conectores de alimentación disponibles para instalación en lado izquierdo o derecho.
La fijación del Tracking Power EVO se realiza atornillando las alas del perfil a la superficie de cartón yeso ayudándose de perfiles de aluminio de sujeción.
El kit de sujeción a techo ajustable (opcional) permite la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Power EVO antes que el falso techo de cartón yeso.





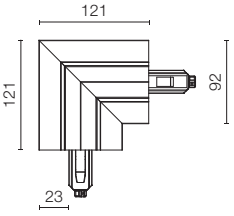
L: 1000 mm
ATP0001A0EAB1
L: 2000 mm
ATP0002A0EAB1
L: 3000 mm
ATP0003A0EAB1

L: 1 m / 2 m / 3 m

90° Corner.
With electrical feeding connection.

Esquina 90°.
Con conexión de alimentación eléctrica.



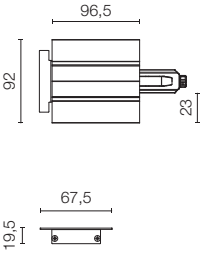


L-Joint Inner
ATP0105A0EAB1
L-Joint Outer
ATP0106A0EAB1

Feed connector. End cap included.

Conector alimentación. Tapa incluida.



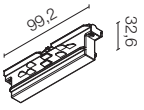


End-Feed Right
ATP0101A0EAB1
End-Feed Left
ATP0102A0EAB1

Jointing Connector.

Conector de unión.



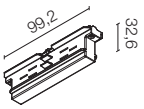


ATP0103A0EAB1

Insulating Connector.

Conector aislante.





ATP0104A0EAB1

NEW

Cutting tool for track conductors.

Herramienta de corte para los conductores del carril.



ATP0201A0EAZZ

End Cap.

Tapa.



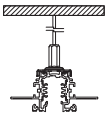


ATP0205A0EAB1

Adjustable ceiling kit (optional). 2 unit kit.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.



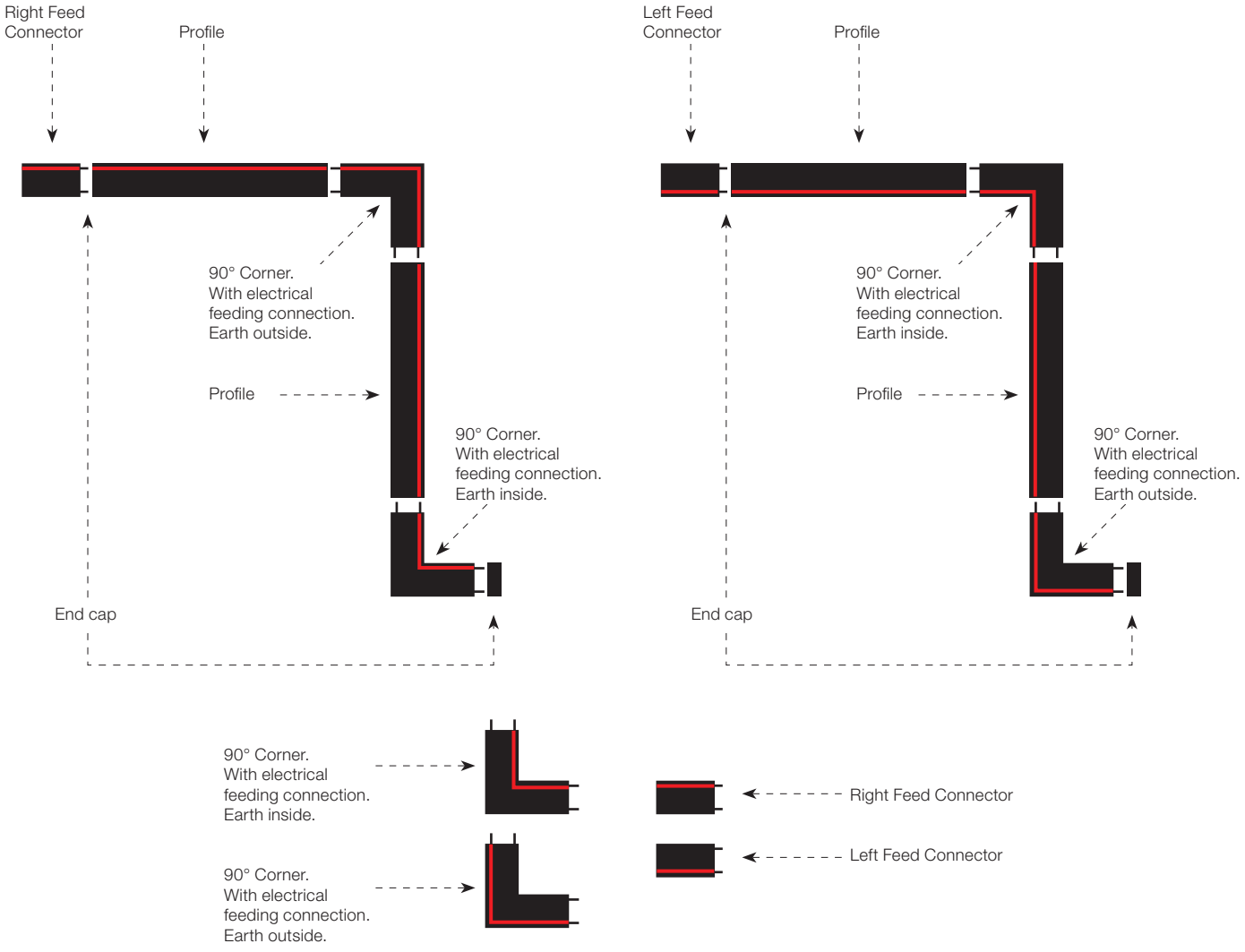


ATP0202A0EAB1

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	3

The Tracking Power EVO profile is asymmetric to ensure the electric safety in the installation, and it provides a unique form in the installation of luminaires.
The diagram shows the position of the neutral track (red line) for the different possible configurations, which must be composed according to the requirements for each installation, respecting the electric continuity.

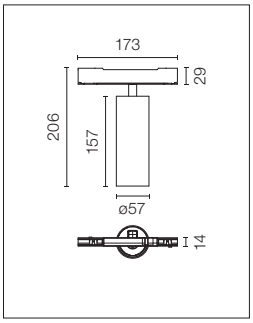
Para garantizar la seguridad eléctrica en la instalación, el perfil de Tracking Power EVO es asimétrico y ofrece una forma única para la instalación de las luminarias.
En el diagrama se muestra la posición del Perfil neutro (línea roja) para las distintas configuraciones posibles, que ha de componerse de acuerdo a los requisitos de cada instalación, respetando la continuidad eléctrica.

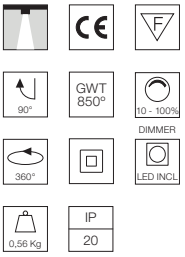


UT Pro 150

Light Source: LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in Tracking Power EVO profile with LED light source. 120-277V power supply integrated. High performance reflector included.

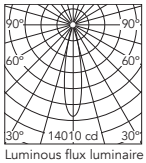
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil Tracking Power EVO con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
09.7210.40C
09.7210.14C
All White
09.7210.40C78

21° SPOT

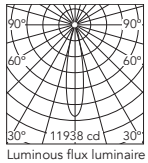


Luminous flux luminaire
2266 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 14010	0.37
2 3503	0.74
3 1557	1.11
4 876	1.48
5 560	1.85

3000K - CRI 90
On board dimmer
09.7216.40C
09.7216.14C
All White
09.7216.40C78

21° SPOT

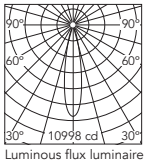


Luminous flux luminaire
1931 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 11938	0.37
2 2984	0.74
3 1326	1.11
4 746	1.48
5 478	1.85

4000K - CRI 90
On board dimmer
09.7211.40C
09.7211.14C
All White
09.7211.40C78

21° SPOT

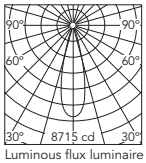


Luminous flux luminaire
1779 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 10998	0.37
2 2750	0.74
3 1222	1.11
4 687	1.48
5 440	1.85

3000K - CRI 80
On board dimmer
09.7212.40C
09.7212.14C
All White
09.7212.40C78

27° MEDIUM

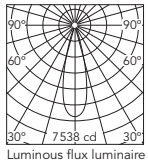


Luminous flux luminaire
1902 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8715	0.49
2 2179	0.98
3 968	1.47
4 545	1.96
5 349	2.44

3000K - CRI 90
On board dimmer
09.7217.40C
09.7217.14C
All White
09.7217.40C78

27° MEDIUM

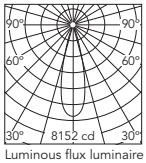


Luminous flux luminaire
1645 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 7538	0.49
2 1884	0.98
3 838	1.47
4 471	1.96
5 302	2.44

4000K - CRI 90
On board dimmer
09.7213.40C
09.7213.14C
All White
09.7213.40C78

27° MEDIUM

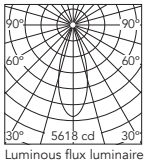


Luminous flux luminaire
1779 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 8152	0.49
2 2038	0.98
3 906	1.47
4 509	1.96
5 326	2.44

3000K - CRI 80
On board dimmer
09.7214.40C
09.7214.14C
All White
09.7214.40C78

35° FLOOD

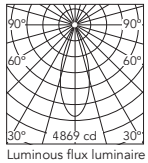


Luminous flux luminaire
1898 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 5618	0.64
2 1404	1.27
3 624	1.91
4 351	2.54
5 225	3.18

3000K - CRI 90
On board dimmer
09.7218.40C
09.7218.14C
All White
09.7218.40C78

36° FLOOD

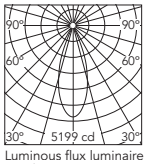


Luminous flux luminaire
1666 lm

Beam Angle:	36°
h(m) E(lx)	D(m)
1 4869	0.64
2 1217	1.28
3 541	1.92
4 304	2.56
5 195	3.20

4000K - CRI 90
On board dimmer
09.7215.40C
09.7215.14C
All White
09.7215.40C78

36° FLOOD



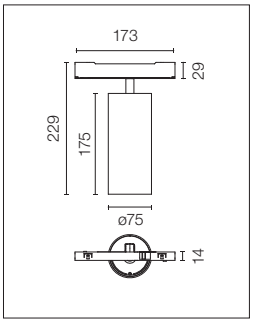
Luminous flux luminaire
1779 lm

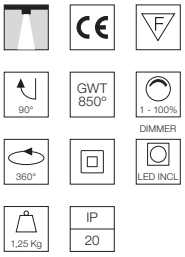
Beam Angle:	36°
h(m) E(lx)	D(m)
1 5199	0.64
2 1300	1.28
3 578	1.92
4 325	2.56
5 208	3.20

UT Pro 175

Light Source: LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in Tracking Power EVO profile with LED light source. 120-277V power supply integrated. High performance reflector included.

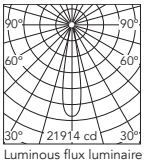
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil Tracking Power EVO con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
09.7300.40B
09.7300.14B
All White
09.7300.40B78

20° SPOT

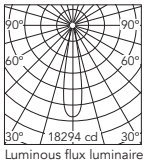


Luminous flux luminaire 3638 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 21906	0.35
2 5477	0.70
3 2434	1.04
4 1369	1.39
5 876	1.74

3000K - CRI 90
On board dimmer
09.7301.40B
09.7301.14B
All White
09.7301.40B78

20° SPOT

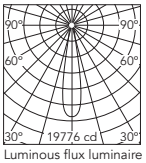


Luminous flux luminaire 3037 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 18287	0.35
2 4572	0.70
3 2032	1.04
4 1143	1.39
5 731	1.74

4000K - CRI 90
On board dimmer
09.7302.40B
09.7302.14B
All White
09.7302.40B78

20° SPOT

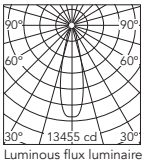


Luminous flux luminaire 3283 lm

Beam Angle:	20°
h(m) E(lx)	D(m)
1 19769	0.35
2 4942	0.70
3 2197	1.04
4 1236	1.39
5 791	1.74

3000K - CRI 80
On board dimmer
09.7303.40B
09.7303.14B
All White
09.7303.40B78

27° MEDIUM

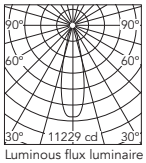


Luminous flux luminaire 3531 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 13450	0.48
2 3362	0.96
3 1494	1.44
4 841	1.93
5 538	2.41

3000K - CRI 90
On board dimmer
09.7304.40B
09.7304.14B
All White
09.7304.40B78

27° MEDIUM

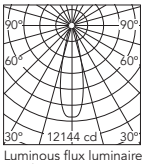


Luminous flux luminaire 2947 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 11225	0.48
2 2806	0.96
3 1247	1.44
4 702	1.93
5 449	2.41

4000K - CRI 90
On board dimmer
09.7305.40B
09.7305.14B
All White
09.7305.40B78

27° MEDIUM

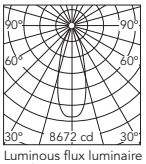


Luminous flux luminaire 3187 lm

Beam Angle:	27°
h(m) E(lx)	D(m)
1 12140	0.48
2 3035	0.96
3 1349	1.44
4 759	1.93
5 486	2.41

3000K - CRI 80
On board dimmer
09.7306.40B
09.7306.14B
All White
09.7306.40B78

34° FLOOD

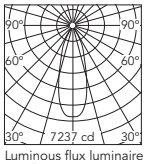


Luminous flux luminaire 3476 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 8672	0.61
2 2168	1.22
3 964	1.83
4 542	2.44
5 347	3.04

3000K - CRI 90
On board dimmer
09.7307.40B
09.7307.14B
All White
09.7307.40B78

34° FLOOD

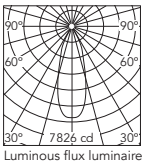


Luminous flux luminaire 2901 lm

Beam Angle:	34°
h(m) E(lx)	D(m)
1 7237	0.61
2 1809	1.22
3 804	1.83
4 452	2.44
5 289	3.04

4000K - CRI 90
On board dimmer
09.7308.40B
09.7308.14B
All White
09.7308.40B78

34° FLOOD



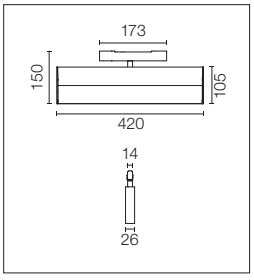
Luminous flux luminaire 3137 lm

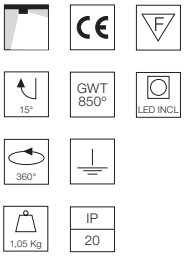
Beam Angle:	34°
h(m) E(lx)	D(m)
1 7826	0.61
2 1957	1.22
3 870	1.83
4 489	2.44
5 313	3.04

UT Pro Wall-Washer

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90







Finishes Available



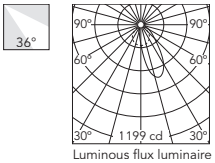
Wall-Washer lighting module to be installed in Tracking Power EVO profile with LED light source. 220-240V power supply integrated.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white.

Módulo de iluminación Wall-Washer para ser instalado en perfil Tracking Power EVO con fuente de luz LED. Fuente de alimentación 220-240V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas.

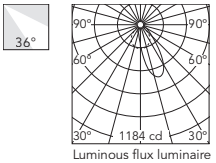
3000K - CRI 90
Non Dimmable
09.7500.40A
09.7500.14A
All White
09.7500.40A78



Luminous flux luminaire
1706 lm

Beam Angle:		36°
h(m)	E(lx)	D(m)
1	1199	0.78
2	300	1.56
3	133	2.34
4	75	3.12
5	48	3.90

4000K - CRI 90
Non Dimmable
09.7501.40A
09.7501.14A
All White
09.7501.40A78



Luminous flux luminaire
1700 lm

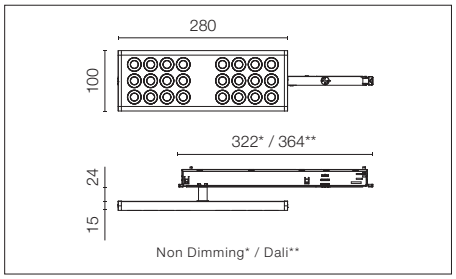
Beam Angle:		36°
h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

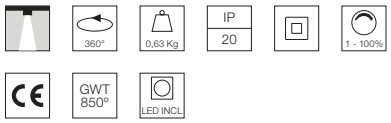
NEW

Workmates In-Track Small

Light Source: Power LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90







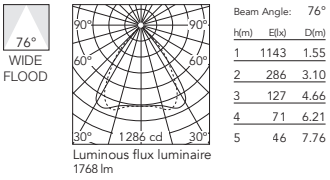
Luminaire for use on a three-phase track, with adapters for No Dim and Dali control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19.
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6280.40
- 05.6280.40.78
- 05.6280.14
- 05.6280.AP

Dali 2
- 05.6280.40.DA
- 05.6280.40.YU
- 05.6280.14.DA
- 05.6280.AP.DA



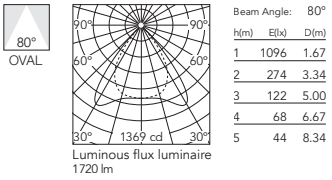
Luminous flux luminaire
1768 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

Optic Oval - 3000K

Non Dimming
- 05.6285.40
- 05.6285.40.78
- 05.6285.14
- 05.6285.AP

Dali 2
- 05.6285.40.DA
- 05.6285.40.YU
- 05.6285.14.DA
- 05.6285.AP.DA



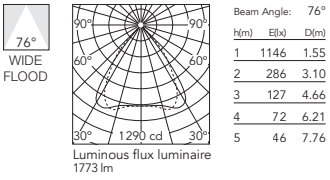
Luminous flux luminaire
1720 lm

Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1096	1.67
2	274	3.34
3	122	5.00
4	68	6.67
5	44	8.34

Optic Wide Flood - 3500K

Non Dimming
- 05.6281.40
- 05.6281.40.78
- 05.6281.14
- 05.6281.AP

Dali 2
- 05.6281.40.DA
- 05.6281.40.YU
- 05.6281.14.DA
- 05.6281.AP.DA



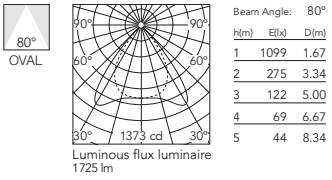
Luminous flux luminaire
1773 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

Optic Oval - 3500K

Non Dimming
- 05.6286.40
- 05.6286.40.78
- 05.6286.14
- 05.6286.AP

Dali 2
- 05.6286.40.DA
- 05.6286.40.YU
- 05.6286.14.DA
- 05.6286.AP.DA



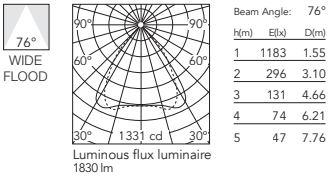
Luminous flux luminaire
1725 lm

Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1099	1.67
2	275	3.34
3	122	5.00
4	69	6.67
5	44	8.34

Optic Wide Flood - 4000K

Non Dimming
- 05.6282.40
- 05.6282.40.78
- 05.6282.14
- 05.6282.AP

Dali 2
- 05.6282.40.DA
- 05.6282.40.YU
- 05.6282.14.DA
- 05.6282.AP.DA



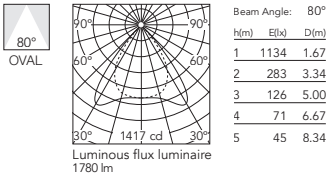
Luminous flux luminaire
1830 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

Optic Oval - 4000K

Non Dimming
- 05.6287.40
- 05.6287.40.78
- 05.6287.14
- 05.6287.AP

Dali 2
- 05.6287.40.DA
- 05.6287.40.YU
- 05.6287.14.DA
- 05.6287.AP.DA



Luminous flux luminaire
1780 lm

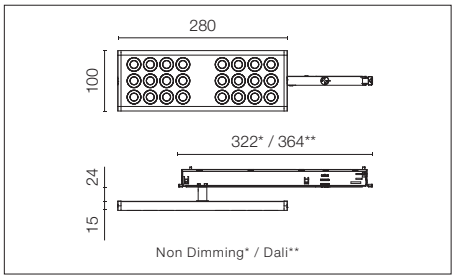
Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1134	1.67
2	283	3.34
3	126	5.00
4	71	6.67
5	45	8.34

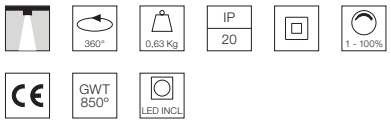
NEW

Workmates In-Track Small

Light Source: Power LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim and Dali control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant.

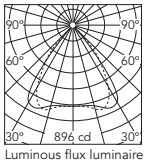
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6290.40
- 05.6290.40.78
- 05.6290.14
- 05.6290.AP

Dali 2
- 05.6290.40.DA
- 05.6290.40.YU
- 05.6290.14.DA
- 05.6290.AP.DA

76° WIDE FLOOD



Luminous flux luminaire
1231 lm

Beam Angle: 76°

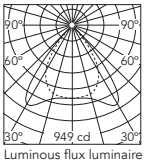
h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

Optic Oval - 3000K

Non Dimming
- 05.6295.40
- 05.6295.40.78
- 05.6295.14
- 05.6295.AP

Dali 2
- 05.6295.40.DA
- 05.6295.40.YU
- 05.6295.14.DA
- 05.6295.AP.DA

80° OVAL



Luminous flux luminaire
1192 lm

Beam Angle: 80°

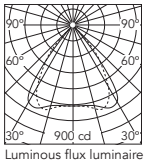
h(m)	E(lx)	D(m)
1	759	1.67
2	190	3.34
3	84	5.00
4	47	6.67
5	30	8.34

Optic Wide Flood - 3500K

Non Dimming
- 05.6291.40
- 05.6291.40.78
- 05.6291.14
- 05.6291.AP

Dali 2
- 05.6291.40.DA
- 05.6291.40.YU
- 05.6291.14.DA
- 05.6291.AP.DA

76° WIDE FLOOD



Luminous flux luminaire
1238 lm

Beam Angle: 76°

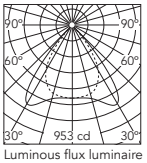
h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

Optic Oval - 3500K

Non Dimming
- 05.6296.40
- 05.6296.40.78
- 05.6296.14
- 05.6296.AP

Dali 2
- 05.6296.40.DA
- 05.6296.40.YU
- 05.6296.14.DA
- 05.6296.AP.DA

80° OVAL



Luminous flux luminaire
1198 lm

Beam Angle: 80°

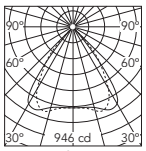
h(m)	E(lx)	D(m)
1	763	1.67
2	191	3.34
3	85	5.00
4	48	6.67
5	31	8.34

Optic Wide Flood - 4000K

Non Dimming
- 05.6292.40
- 05.6292.40.78
- 05.6292.14
- 05.6292.AP

Dali 2
- 05.6292.40.DA
- 05.6292.40.YU
- 05.6292.14.DA
- 05.6292.AP.DA

76° WIDE FLOOD



Luminous flux luminaire
1300 lm

Beam Angle: 76°

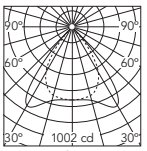
h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

Optic Oval - 4000K

Non Dimming
- 05.6297.40
- 05.6297.40.78
- 05.6297.14
- 05.6297.AP

Dali 2
- 05.6297.40.DA
- 05.6297.40.YU
- 05.6297.14.DA
- 05.6297.AP.DA

80° OVAL



Luminous flux luminaire
1259 lm

Beam Angle: 80°

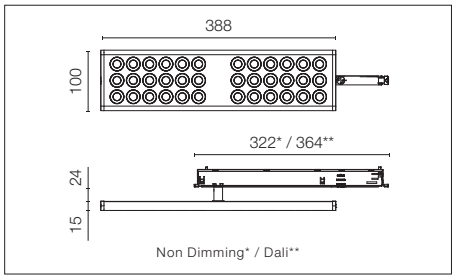
h(m)	E(lx)	D(m)
1	802	1.67
2	200	3.34
3	89	5.00
4	50	6.67
5	32	8.34

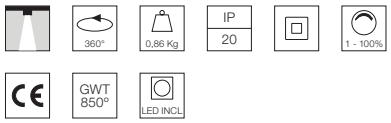
NEW

Workmates In-Track Large

Light Source: Power LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90







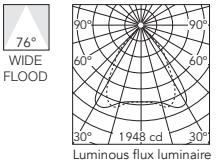
Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360° para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65°<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6300.40
- 05.6300.40.78
- 05.6300.14
- 05.6300.AP

Dali 2
- 05.6300.40.DA
- 05.6300.40.YU
- 05.6300.14.DA
- 05.6300.AP.DA



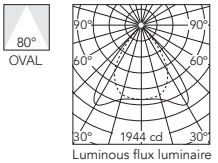
Luminous flux luminaire
2582 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1634	1.57
2	409	3.13
3	182	4.70
4	102	6.26
5	65	7.83

Optic Oval - 3000K

Non Dimming
- 05.6305.40
- 05.6305.40.78
- 05.6305.14
- 05.6305.AP

Dali 2
- 05.6305.40.DA
- 05.6305.40.YU
- 05.6305.14.DA
- 05.6305.AP.DA



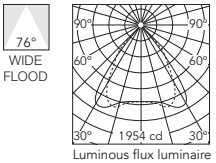
Luminous flux luminaire
2462 lm

Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1577	1.68
2	394	3.36
3	175	5.03
4	99	6.71
5	63	8.39

Optic Wide Flood - 3500K

Non Dimming
- 05.6301.40
- 05.6301.40.78
- 05.6301.14
- 05.6301.AP

Dali 2
- 05.6301.40.DA
- 05.6301.40.YU
- 05.6301.14.DA
- 05.6301.AP.DA



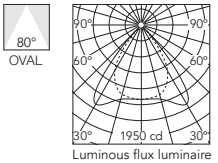
Luminous flux luminaire
2590 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1639	1.57
2	410	3.13
3	182	4.70
4	102	6.26
5	66	7.83

Optic Oval - 3500K

Non Dimming
- 05.6306.40
- 05.6306.40.78
- 05.6306.14
- 05.6306.AP

Dali 2
- 05.6306.40.DA
- 05.6306.40.YU
- 05.6306.14.DA
- 05.6306.AP.DA



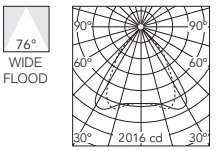
Luminous flux luminaire
2469 lm

Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1582	1.68
2	395	3.36
3	176	5.03
4	99	6.71
5	63	8.39

Optic Wide Flood - 4000K

Non Dimming
- 05.6302.40
- 05.6302.40.78
- 05.6302.14
- 05.6302.AP

Dali 2
- 05.6302.40.DA
- 05.6302.40.YU
- 05.6302.14.DA
- 05.6302.AP.DA



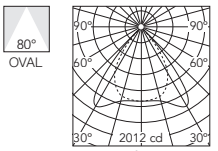
Luminous flux luminaire
2673 lm

Beam Angle:	76°
h(m)	E(lx)	D(m)
1	1692	1.57
2	423	3.13
3	188	4.70
4	106	6.26
5	68	7.83

Optic Oval - 4000K

Non Dimming
- 05.6307.40
- 05.6307.40.78
- 05.6307.14
- 05.6307.AP

Dali 2
- 05.6307.40.DA
- 05.6307.40.YU
- 05.6307.14.DA
- 05.6307.AP.DA



Luminous flux luminaire
2548 lm

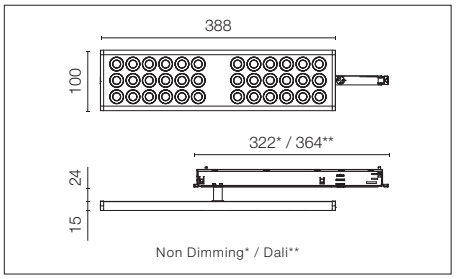
Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1632	1.68
2	408	3.36
3	181	5.03
4	102	6.71
5	65	8.39

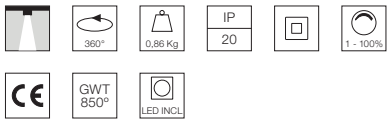
NEW

Workmates In-Track Large

Light Source: Power LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant.

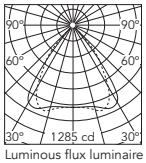
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6310.40
- 05.6310.40.78
- 05.6310.14
- 05.6310.AP

Dali 2
- 05.6310.40.DA
- 05.6310.40.YU
- 05.6310.14.DA
- 05.6310.AP.DA

75° WIDE FLOOD



Luminous flux luminaire
1761 lm

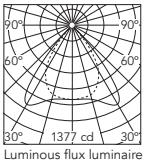
Beam Angle:	75°
h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

Optic Oval - 3000K

Non Dimming
- 05.6315.40
- 05.6315.40.78
- 05.6315.14
- 05.6315.AP

Dali 2
- 05.6315.40.DA
- 05.6315.40.YU
- 05.6315.14.DA
- 05.6315.AP.DA

80° OVAL



Luminous flux luminaire
1744 lm

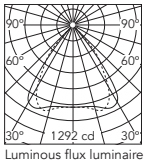
Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1117	1.68
2	279	3.36
3	124	5.03
4	70	6.71
5	45	8.39

Optic Wide Flood - 3500K

Non Dimming
- 05.6311.40
- 05.6311.40.78
- 05.6311.14
- 05.6311.AP

Dali 2
- 05.6311.40.DA
- 05.6311.40.YU
- 05.6311.14.DA
- 05.6311.AP.DA

75° WIDE FLOOD



Luminous flux luminaire
1770 lm

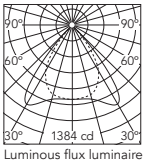
Beam Angle:	75°
h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

Optic Oval - 3500K

Non Dimming
- 05.6316.40
- 05.6316.40.78
- 05.6316.14
- 05.6316.AP

Dali 2
- 05.6316.40.DA
- 05.6316.40.YU
- 05.6316.14.DA
- 05.6316.AP.DA

80° OVAL



Luminous flux luminaire
1753 lm

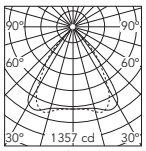
Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1123	1.68
2	281	3.36
3	125	5.03
4	70	6.71
5	45	8.39

Optic Wide Flood - 4000K

Non Dimming
- 05.6312.40
- 05.6312.40.78
- 05.6312.14
- 05.6312.AP

Dali 2
- 05.6312.40.DA
- 05.6312.40.YU
- 05.6312.14.DA
- 05.6312.AP.DA

75° WIDE FLOOD



Luminous flux luminaire
1860 lm

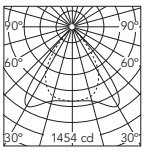
Beam Angle:	75°
h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

Optic Oval - 4000K

Non Dimming
- 05.6317.40
- 05.6317.40.78
- 05.6317.14
- 05.6317.AP

Dali 2
- 05.6317.40.DA
- 05.6317.40.YU
- 05.6317.14.DA
- 05.6317.AP.DA

80° OVAL



Luminous flux luminaire
1842 lm

Beam Angle:	80°
h(m)	E(lx)	D(m)
1	1180	1.68
2	295	3.36
3	131	5.03
4	74	6.71
5	47	8.39

Accessories / Accesorios

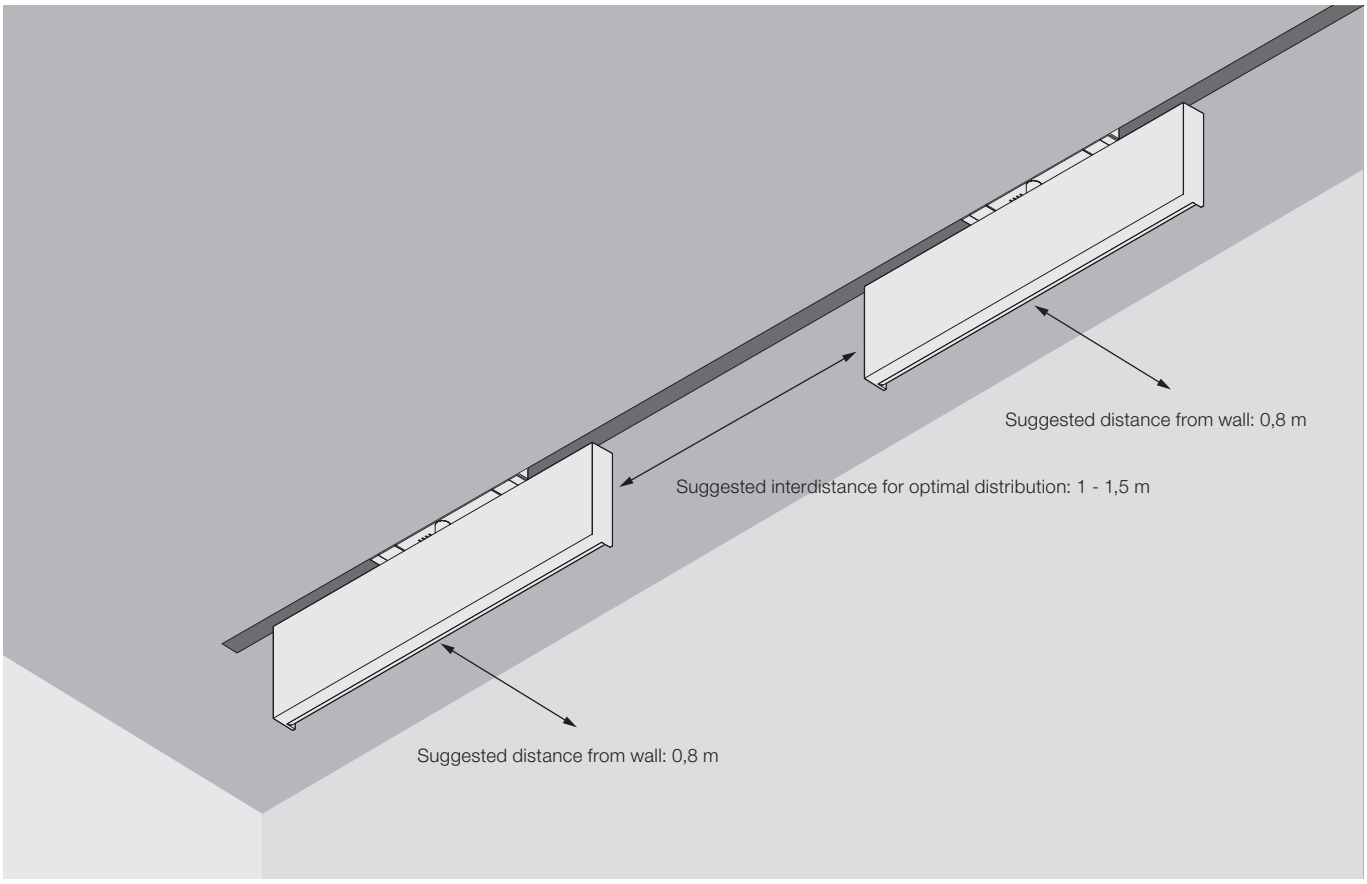
UT Pro 150 / UT Pro 175

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro 150 08.8429.00 UT Pro 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro 150 08.8431.00 UT Pro 175 08.9109.00
Flood lens.	Lente flood.		UT Pro 150 08.8432.00 UT Pro 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro 150 08.8428.00 UT Pro 175 08.9107.00
Snoot shielding cone.	Cono apantallador.	 	UT Pro 150 08.0526.00 08.0526.40 08.0526.BW UT Pro 175 08.9111.00

WALL-WASHER INSTALLATION

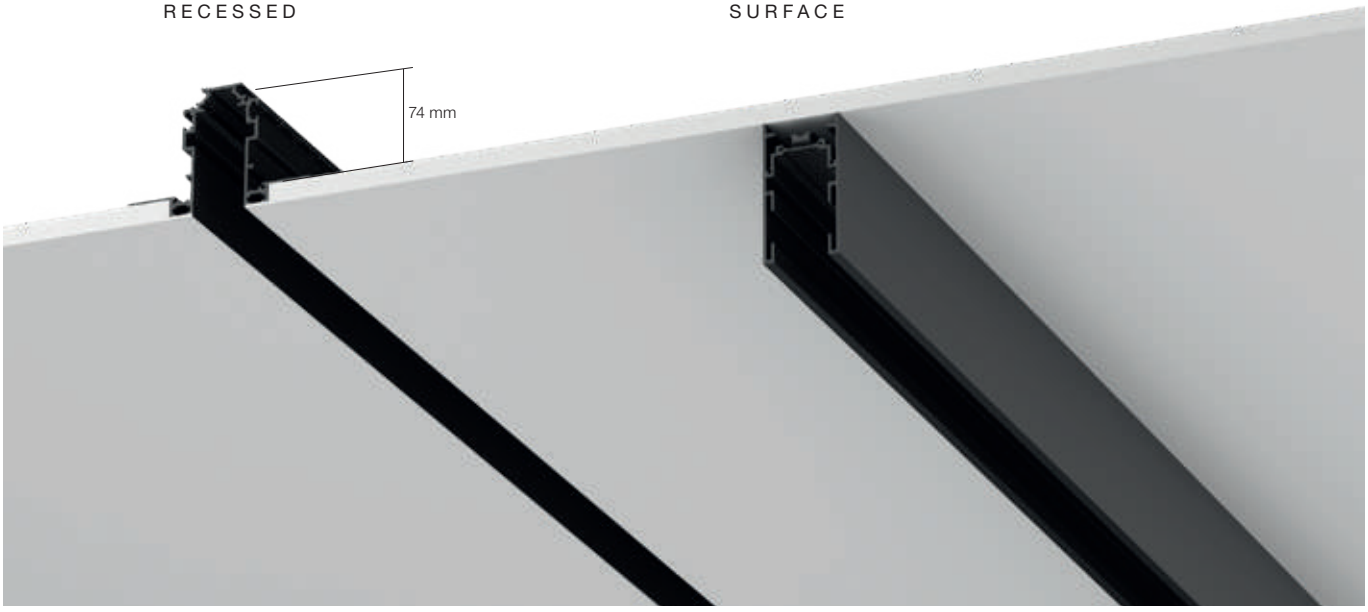


THE FAST TRACK

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles ■ 14 Black
14 Negro

Surface Profiles □ 40 White
40 Blanco

■ 14 Black
14 Negro

LIGHT MODULES

THE FAST TRACK SPOT 100



LIGHT SOURCE
POWER LED
13W
780 lm
3000K/CRI 90
830 lm
4000K/CRI 90

THE FAST TRACK SPOT 150



LIGHT SOURCE
LED ARRAY
25,5W
2378 lm
3000K/CRI 90
2751 lm
4000K/CRI 90

MULTIFUNCTION SMART DEVICE



FLOS CONTROL®
by Casambi

■ 14 Black
14 Negro



□ BW White
BW Blanco



Description
Only system in the world that allows the intensity of different groups of light fittings to be moved, oriented, and adjusted at a distance.
Indoor system available in versions for installation on surfaces and recessed installation on the ceiling. Equipped with wireless control via the FLOS Control® by Casambi system managed using the dedicated app for mobile devices (covers a distance of about 20 m). The system allows up to 200 devices to be controlled via the app.
The lighting modules incorporate servos for moving and orienting them, as well as sensors to detect other spots and the end of the track.
The system can recognize the location of each spot at all times and memorize up to 24 scenes of light. It memorizes the orientation, rotation and light intensity for later use, as well as 4 time schedules to change from one scene to another.
The light scene can also be completely changed by recovering the memorized compositions with a simple click. The movement must always be performed manually and individually through the APP.
Structural profiles of the system are manufactured in black extruded aluminum and are white plated for the 40 version, provided with electric tracks fed at 48V, on which the LED luminaries are installed by means of a mechanical fixing system.
The family is composed of accent lighting, with different optics.
The only available control system is FLOS Control® by Casambi.
The app for mobile devices is also necessary (available in the Apple Store and Google Play).
The maximum length for each power source is 20 m.
The maximum length between the power supply and the start of the track is 2 m.

Optic system
The accent light modules are available with high-performance crystal optics. Super spot, spot, medium and flood angles.

Power Supply
Remote 48V power source not included.

Additional Information
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Único sistema mundial que permite mover, orientar y regular la intensidad, a distancia, los diferentes grupos de luminarias.
El sistema para interiores está disponible en versiones de montaje en superficie y empotrado en el techo. Equipado con un control inalámbrico con el sistema FLOS Control® de Casambi gestionado a través de una aplicación dedicada para dispositivos móviles (cubre una distancia de unos 20m). El sistema permite controlar hasta 200 dispositivos a través de la App.
Los módulos de iluminación incorporan servos para su movimiento y orientación, sensores para detectar otros spots y el final del carril.
El sistema es capaz de reconocer la ubicación de cada spot en todo momento y memorizar hasta un máximo de 24 escenas de luz, memorizando orientación, rotación e intensidad lumínica para su uso posterior, así como 4 programaciones horarias para cambiar de una escena a otra.
También se puede cambiar completamente de escena de luz recuperando las composiciones memorizadas con un simple click. La traslación debe realizarse siempre de forma manual e individual a través de la APP.
Perfiles estructurales del sistema de aluminio extruido en negro y chapados en blanco para la versión .40, provisto de pistas eléctricas alimentadas a 48V, sobre las cuales se instalan mediante un sistema de fijación mecánica de las luminarias LED.
La familia está compuesta por módulos de iluminación de acento, con diferentes ópticas.
El único sistema de control disponible es FLOS Control® by Casambi.
Necesaria APP para dispositivos móviles (disponible en Apple Store y Google Play).
La longitud máxima por cada fuente de alimentación es de 20 m.
La longitud máxima entre la fuente de alimentación y el inicio del carril es de 2 m.

Sistema Óptico
Los módulos de luz de acento se encuentran disponibles con ópticas de cristal alto rendimiento. Ángulos super spot, spot, médium y flood.

Unidades de Alimentación
Fuente de alimentación remota de 48V no incluida.

Información Adicional
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

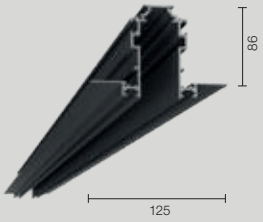
Available on the App Store

GET IT ON Google Play

HOW TO ORDER

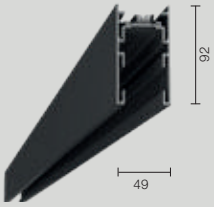
1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 3 m

SURFACE PROFILE



L: 1 / 1,5 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed cable



End cap



Intermediate cable



Electrical

Stopper



Recessed installation

Accessories
(Optional)

Fixed ceiling kit



or

Adjustable ceiling kit



Feed cable



End cap



Intermediate cable



Electrical

Stopper



Surface installation

Fixing ceiling kit included with the profile

3 SELECT POWER SUPPLY

Recessed installation

Remote power supply



185W



320W

(select the driver with the appropriate power according to the needs of your project)

Surface installation

Remote power supply



185W



320W

(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE

Spot 100



Casambi integrated

SS/S/M

Spot 150



Casambi integrated

S/M/F

Multifunction Smart Device

FLOS Control® by Casambi

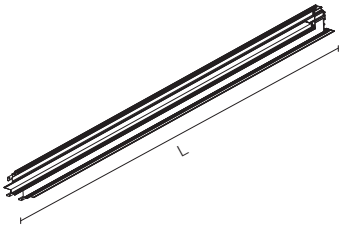


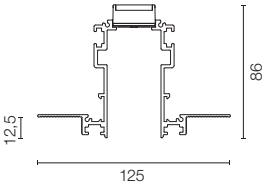
Profiles

Electro-mechanical profile for recessed installations in plasterboard ceilings, with 1m to 3m lengths. Power and interconnection cables must be ordered separately.
The covers must be ordered separately. Fixed or adjustable fastening kits available (optional). The roof fastening kits enable installation without the need for aluminium TC fastening profiles.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos de cartón yeso con longitudes de 1m a 3m. Necesario pedir por separado cables de alimentación e interconexión.
Las tapas deben pedirse por separado. Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles TC de aluminio de sujeción.





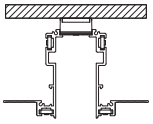
L: 1000 mm
06.1850.14
L: 1500mm
06.1851.14
L: 2000 mm
06.1852.14
L: 3000 mm
06.1853.14

L: 1 m / 1,5 m / 2 m / 3 m

Fixed ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo fijo (opcional). Kit de 2 unidades.



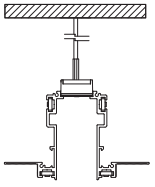


08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.
Installation requires a M6 threaded rod, not included.

Kit de sujeción a techo ajustable (opcional). Kit de 2 unidades.
Para su instalación requiere varilla roscada de M6, no incluida.





08.8867.14

Profile (mm)	Quantities Ceiling Kit
1000	1
2000	2
3000	2
4000	3

1-m suspension rod with ceiling rose with m6 thread.

Varilla de suspensión de 1 m con rosetón con rosca m6.

60.3097.11
60.3097.14

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



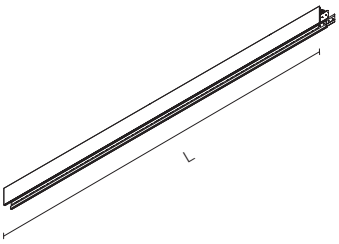
08.9070.14

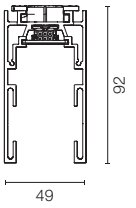
Profiles

Electro-mechanical profile for surface installations in plasterboard ceilings, with 1m to 3m lengths. Not suitable for suspended installations. Power and interconnection cables must be ordered separately.
Covers must be ordered separately. Fixed ceiling kit included.

Perfiles

Perfil electro-mecánico para instalaciones en superficie en techos de cartón yeso con longitudes de 1 m a 3 m. No válido para instalaciones en suspensión. Necesario pedir por separado cables de alimentación e interconexión.
Las tapas deben pedirse por separado. Kit de sujeción a techo fijo incluido.





L: 1000 mm
06.1860.40
06.1860.14
L: 1500 mm
06.1861.40
06.1861.14
L: 2000 mm
06.1862.40
06.1862.14
L: 3000 mm
06.1863.40
06.1863.14

L: 1 m / 1,5 m / 2 m / 3 m

End caps. Must be ordered separately. 2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



08.9071.40
08.9071.14

The Fast Track Recessed / Surface versions

Stopper. To prevent spots from invading track areas powered by another driver and to prevent exceeding the maximum allowed power of each driver. It can also be used to limit movement for other reasons.

Stopper. Para evitar que los spots invadan zonas de carril alimentadas por otro driver y evitar superar la potencia máxima permitida de cada driver. También se puede usar para limitar el movimiento por otras razones.



08.9074.14

Power feed cable.

Cable de alimentación.



06.0303.00

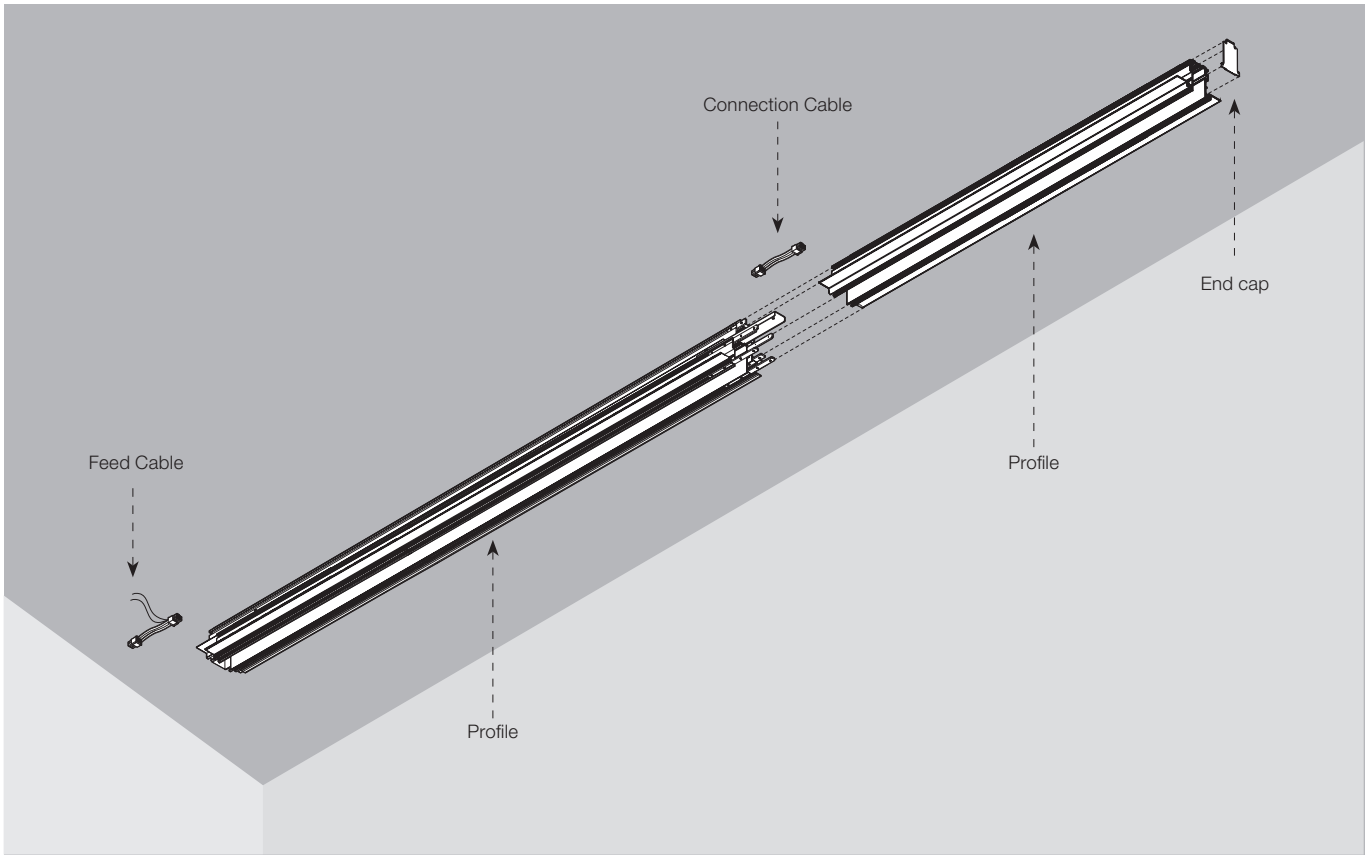
Connection cable. Electrical connection.

Cable de conexión. Conexión eléctrica.

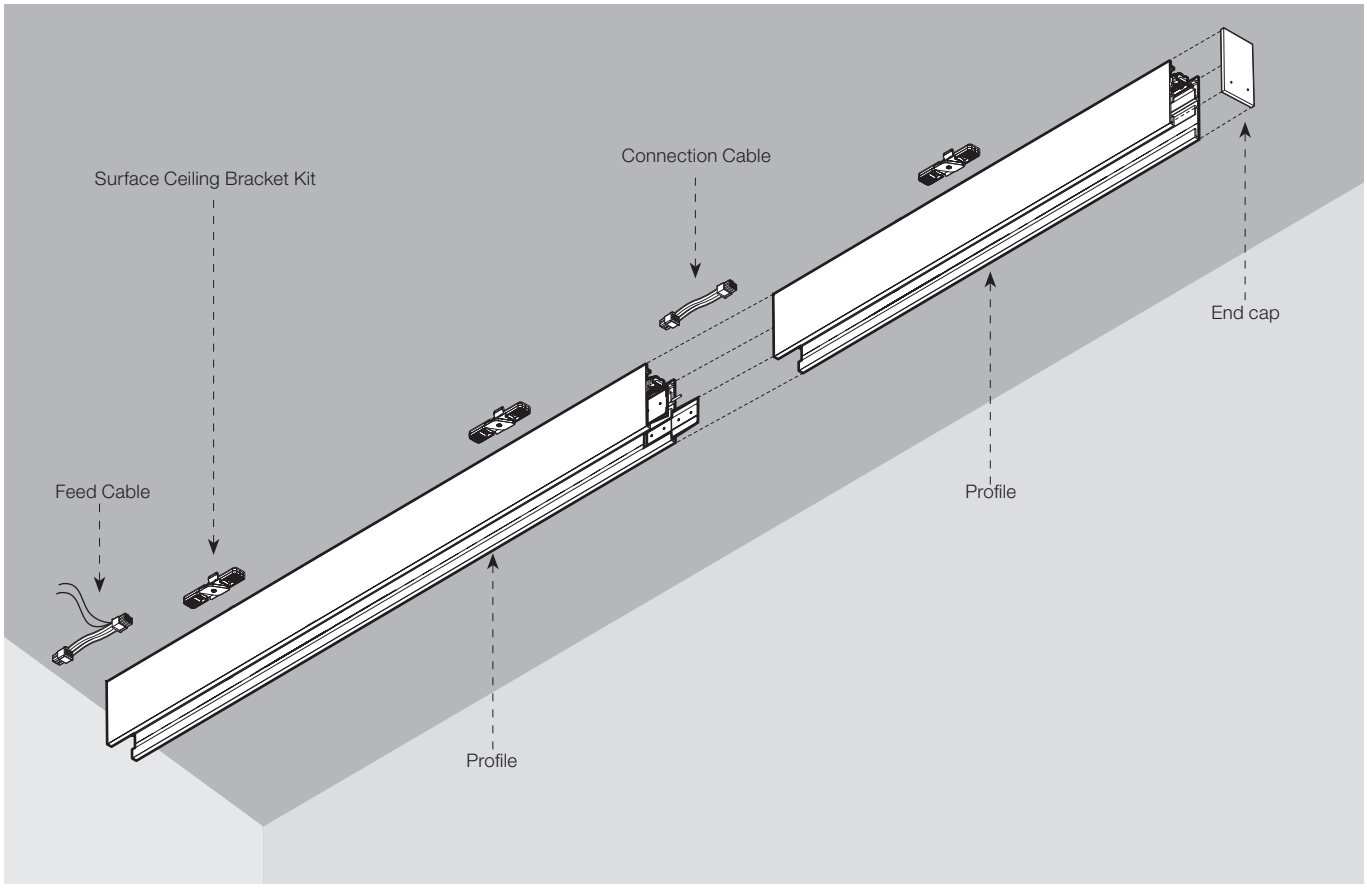


06.0301.00

RECESSED INSTALLATION



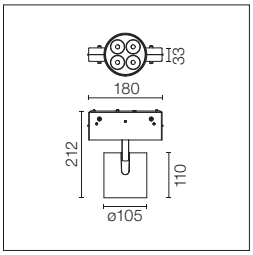
SURFACE INSTALLATION

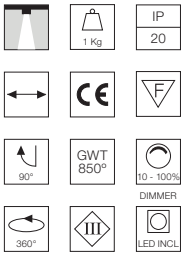


The Fast Track Spot 100

Light Source: Power LED 13W - 830 lm - 3000K/CRI 90 / 13W - 878 lm - 4000K/CRI 90





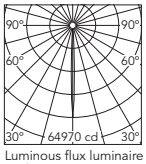


Spotlight to be installed in the The Fast Track system profile with a LED light source and super spot optic, very useful for great heights, medium and flood.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y con óptica super spot muy útil para grandes alturas, medium y flood.
Las cajas de las luminarias se fabrican solo en negro.

3000K
**Casambi integrated
09.9070.BWA
09.9070.14A





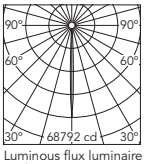
Luminous flux luminaire
630 lm

Beam Angle: 4°

h(m)	E(lx)	D(m)
1	64970	0.07
2	16243	0.14
3	7219	0.21
4	4061	0.28
5	2599	0.35

4000K
**Casambi integrated
09.9075.BWA
09.9075.14A





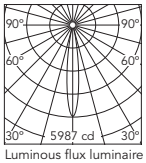
Luminous flux luminaire
667 lm

Beam Angle: 4°

h(m)	E(lx)	D(m)
1	68792	0.07
2	17198	0.14
3	7644	0.21
4	4300	0.28
5	2752	0.35

3000K
**Casambi integrated
09.9071.BWA
09.9071.14A





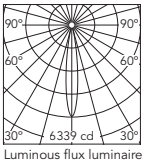
Luminous flux luminaire
567 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5987	0.26
2	1497	0.52
3	665	0.77
4	374	1.03
5	239	1.29

4000K
**Casambi integrated
09.9076.BWA
09.9076.14A





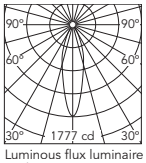
Luminous flux luminaire
600 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6339	0.26
2	1585	0.52
3	704	0.77
4	396	1.03
5	254	1.29

3000K
**Casambi integrated
09.9072.BWA
09.9072.14A





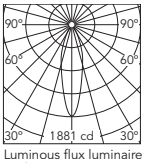
Luminous flux luminaire
693 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1777	0.48
2	444	0.95
3	197	1.43
4	111	1.91
5	71	2.38

4000K
**Casambi integrated
09.9077.BWA
09.9077.14A





Luminous flux luminaire
733 lm

Beam Angle: 27°

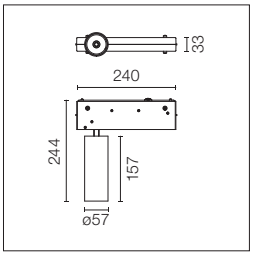
h(m)	E(lx)	D(m)
1	1881	0.48
2	470	0.95
3	209	1.43
4	118	1.91
5	75	2.38

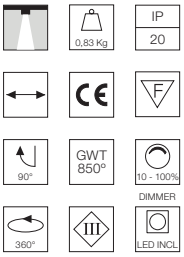
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

The Fast Track Spot 150

Light Source: LED Array 25,5 W - 2378 lm - 3000K/CRI 90 / 25,5 W - 2751 lm - 4000K/CRI 90





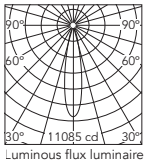


Spotlight to be installed in the The Fast Track system profile with a LED light source and glass optics: high performance spot, medium and flood lights.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y ópticas de cristal spot, medium y flood de alto rendimiento.
Las cajas de las luminarias se fabrican solo en negro.

3000K
**Casambi integrated
09.9083.BWA
09.9083.14A

21°
SPOT

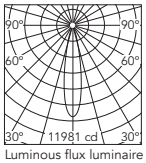


Luminous flux luminaire
1793 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	11085	0.37
2	2771	0.74
3	1232	1.11
4	693	1.48
5	443	1.85

4000K
**Casambi integrated
09.9086.BWA
09.9086.14A

21°
SPOT

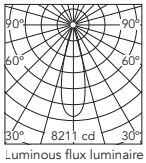


Luminous flux luminaire
1938 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	11981	0.37
2	2995	0.74
3	1331	1.11
4	749	1.48
5	479	1.85

3000K
**Casambi integrated
09.9084.BWA
09.9084.14A

27°
MEDIUM

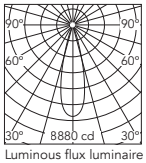


Luminous flux luminaire
1792 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	8211	0.49
2	2053	0.98
3	912	1.47
4	513	1.96
5	328	2.44

4000K
**Casambi integrated
09.9087.BWA
09.9087.14A

27°
MEDIUM

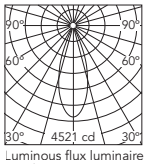


Luminous flux luminaire
1938 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	8880	0.49
2	2220	0.98
3	987	1.47
4	555	1.96
5	355	2.44

3000K
**Casambi integrated
09.9085.BWA
09.9085.14A

36°
FLOOD

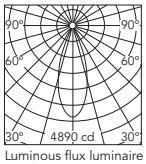


Luminous flux luminaire
1547 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4521	0.64
2	1130	1.28
3	502	1.92
4	283	2.56
5	181	3.20

4000K
**Casambi integrated
09.9088.BWA
09.9088.14A

36°
FLOOD



Luminous flux luminaire
1673 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4890	0.64
2	1222	1.28
3	543	1.92
4	306	2.56
5	196	3.20

Accessories / Accesorios

The Fast Track Spot 150

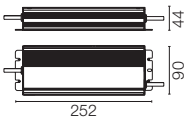
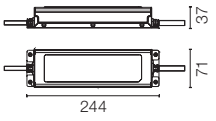
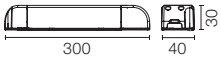
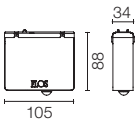
Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40 08.0526.BW

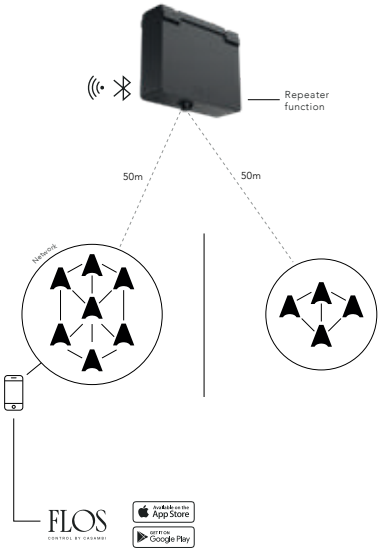
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Drivers / Equipos

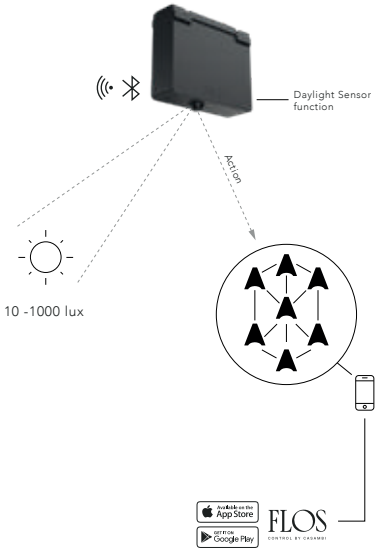
LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			*60.8919
LED power supply source for remote installation, 110Vac-135W / 220Vac-200W.	Fuente de alimentación LED para instalación remota, 110Vac-135W / 220Vac-200W.			*60.9607
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170
Multifunction Smart Device. Triple functionality 3x1: Casambi signal repeater, light sensor and presence detector. FLOS Control® by Casambi.	Dispositivo multifunción inteligente. Triple funcionalidad 3x1: repetidor de señal Casambi, sensor de luz ambiental y detector de presencia. FLOS Control® by Casambi.			06.1987.40 06.1987.14

Multifunction Smart Device. Triple Functionality 3x1

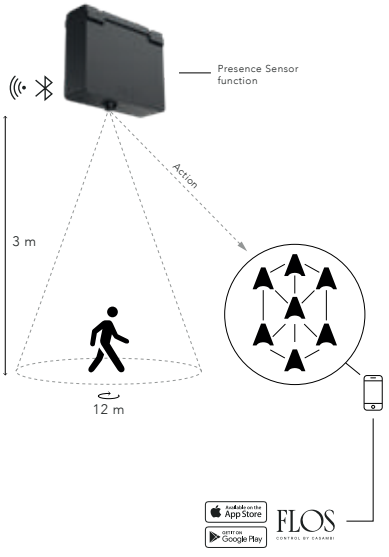
Repeater



Daylight Sensor



Presence Sensor



▲ Casambi object

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

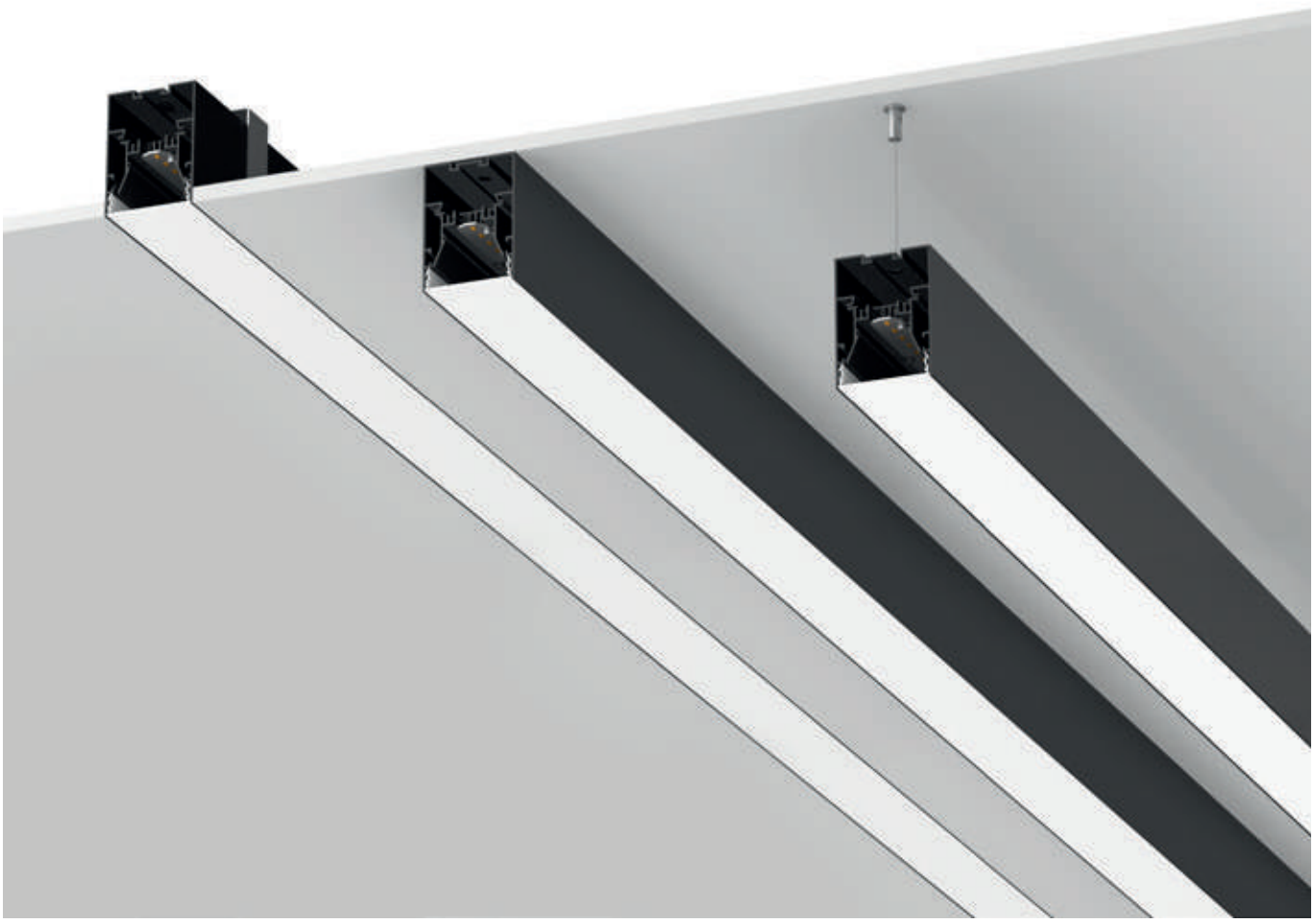
IN-FINITY

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE

SUSPENSION
UP&DOWN / DOWN



Recessed
No Trim

Recessed
Trim

Surface

Suspension
Down

Suspension
Up&Down

Description
Built-in, surface or suspended LED lighting system (see type of mounting, depending on the model) designed for work areas and professional spaces. The lights are available in widths of 25 mm, 35 mm or 70 mm.
In the 25 mm wide model:
- The system is modular and consists of straight elements measuring between 1000 mm and 3000 mm, and accessories such as special kits and covers for suspended installation (with suspension and power cables). Each module can be connected to others mechanically. Electrically, each module operates with a separate power input connected to a driver (either dedicated to one module or shared between several).
- The LED module, profile, reflector and diffuser are offered together as one complete element under a single sale code (in the 5 lengths available).

In the 35 and 70 mm wide models:
- The system is modular and consists of straight elements measuring between 565 mm and 3095 mm, angled in the same plane or with ceiling-wall plane variations, and accessories such as covers and suspension kits. Each module can be connected to others mechanically and electrically. Electrically, the entire modular arrangement is powered from just one point.
- The lights are complete with:
  · LED light modules with driver included, in 3000K and 4000K versions.
  · Aluminium profile for installation.
  · Reflector.
  · Module connection system.
  · Fall-prevention safety cable for the lights, to ensure maximum protection during installation operations.
  · Two different diffusers available: opal for general lighting or micro-prism for increased visual comfort. Also available as a separate accessory to complete gaps in structures with corners or lengths greater than 3 m.
- The exterior profile in the Recessed No Trim version is only available in a white finish. All other versions are available with the following finishes: white, anodised grey and black.

Power supply units
In the 25 mm wide model:
- Drivers not included, see recommended equipment.

In the 35 and 70 mm wide models:
- Drivers included in lighting modules for direct connection to 220-240V network or to other system modules.

Accessories
If necessary for the installation, the following accessories must be requested separately for all models:
- Covers.
- Suspension kits.
- Power supply kits.

Additional information
In the 25 mm wide model:
- For adjustable options seek advice.
- IP20 protection rating.
- Insulation class III.

In the 35 and 70 mm wide models:
- DALI 1-100% version available.
- 1-10V dimmable version on request.
- IP20, IP40 protection rating.
- Insulation class I.

Combining models 25 and 35/70 may result in the light having slight colour differences. It is not advisable to combine model 25 with the 35/70 in shared spaces.

Before ordering, view the product details in the specifications on the Flos website, the technical sheet and the installation and assembly instructions, in order to fully understand information that may not appear in the catalogue, and which may be relevant for your actual project or installation.

Compliance with Standards and Quality Standards
The light complies with EU technical standard EN60598-1 and the sections contained within.

Descripción
Sistema de iluminación LED empotrado, de superficie o suspendido (consultar tipo de 'mounting', según modelo), diseñado para áreas de trabajo y espacios profesionales. Las luminarias están disponibles en anchos de 25 mm, 35 mm ó 70 mm.
En el modelo con ancho de 25 mm:
- El sistema es modular y se compone de elementos rectos con medidas desde 1000 mm a 3000 mm y accesorios como tapas y kits especiales para instalación suspendida (con cables de suspensión y de alimentación). Cada módulo se puede conectar mecánicamente entre sí. Eléctricamente, cada módulo funciona con una entrada de alimentación independiente vinculada a un driver (que podrá ser dedicado a un módulo o compartido para varios).
- El módulo LED, el perfil, reflector y difusor se ofrecen en conjunto como un solo elemento completo bajo un único código de venta (en las 5 opciones de longitud disponibles).

En modelos con anchos de 35 y 70 mm:
- El sistema es modular y se compone de elementos rectos con medidas desde 565 mm hasta 3095 mm, ángulo en la misma superficie o con cambio de plano techo-pared, y accesorios como tapas y kit de suspensión. Cada módulo se puede conectar eléctrica y mecánicamente entre sí. Eléctricamente, toda la composición modular se alimenta desde un solo punto.
- Las luminarias se completan con:
  · Módulos de luz LED con driver incluido, en versiones de 3000K y 4000K.
  · Perfil de aluminio por instalación.
  · Reflector.
  · Sistema de unión para la conexión de los módulos.
  · Cable de seguridad anti-caída de las luminarias, para garantizar la máxima protección en los trabajos de instalación.
  · Disponibles dos difusores diferentes: opal para iluminación general o difusor micro-prismático para un mayor confort visual. Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.
- El perfil exterior de la versión Recessed No Trim solo está disponible en acabado blanco. Todas las demás versiones están disponibles en los acabados: blanco, gris anodizado y negro.

Unidades de Alimentación
En el modelo con ancho 25 mm:
- Drivers no incluidos, consultar equipos recomendados.

En modelos con anchos de 35 y 70 mm:
- Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

Accesorios
En todos los modelos, si la instalación lo requiere, se deben pedir por separado los siguientes accesorios disponibles:
- Tapas.
- Kit de suspensión.
- Kit de alimentación.

Información Adicional
En el modelo de ancho 25 mm:
- Para opciones regulables, consultar.
- Índice de protección IP20.
- Clase de aislamiento III.

En modelos con anchos de 35 y 70 mm:
- Disponible en versión DALI 1-100%.
- Versión dimable 1-10V bajo pedido.
- Índice de protección IP20, IP40.
- Clase de aislamiento I.

La combinación de modelos 25 y 35/70 puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda no combinar el modelo 25 con el 35/70 en espacios compartidos.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

IN-FINITY

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



SUSPENSION DOWN



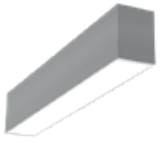
25 mm

LIGHT SOURCE
TOP LED
19,5W/m
2103 lm/m
3000K/CRI 90
2195 lm/m
4000K/CRI 90

RECESSED TRIM / NO TRIM



SURFACE



SUSPENSION DOWN



35 mm

LIGHT SOURCE
TOP LED
18,5W/m
2665 lm/m
3000K/CRI 80
18,5W/m
2800 lm/m
4000K/CRI 80

70 mm

LIGHT SOURCE
TOP LED
25W/m
2985 lm/m
3000K/CRI 80
25W/m
3135 lm/m
4000K/CRI 80

SUSPENSION UP&DOWN



35 mm

LIGHT SOURCE
TOP LED
31,5W/m
1785 lm/m UP
2665 lm/m DOWN
3000K/CRI 80
31,5W/m
1875 lm/m UP
2800 lm/m DOWN
4000K/CRI 80

70 mm

LIGHT SOURCE
TOP LED
38W/m
1785 lm/m UP
2985 lm/m DOWN
3000K/CRI 80
38W/m
1875 lm/m UP
3135 lm/m DOWN
4000K/CRI 80

25

40 White
40 Blanco

29 Anodized Grey
29 Gris Anodizado



AN Black Anodized
AN Negro Anodizado

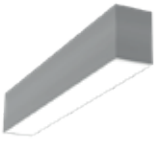


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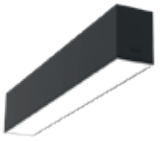
35 / 70

30 White
30 Blanco

02 Anodized Grey
02 Gris Anodizado



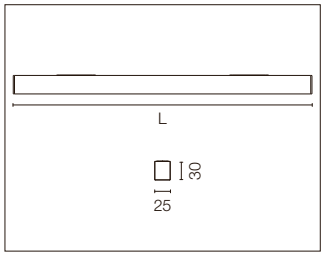
14 Black
14 Negro



In-Finity 25 mm

Light Source: Top LED 19,5W/m - 2103 lm/m - 3000K/CRI 90 / 19,5W/m - 2195 lm/m - 4000K/CRI 90





LED profile for linear lighting, only 25 mm wide. Available in surface mounted versions, with possibility of suspended installation by means of a dedicated kit. Drivers not included.

Perfil LED para iluminación lineal de solo 25mm de anchura. Disponible en versiones de superficie, con posibilidad de instalación suspendida mediante kit dedicado. Drivers no incluidos.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V 60W	60.9705
Non Dimmable 220-240V 60W	60.9515
Non Dimmable 220-240V 120W	60.9516

* Refer to the Drivers chapter / Ver capítulo Drivers

3000K

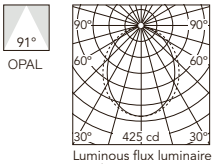
L: 1000 mm
- 03.5330.40
- 03.5330.29
- 03.5330.AN

L: 1500 mm
- 03.5331.40
- 03.5331.29
- 03.5331.AN

L: 2000 mm
- 03.5332.40
- 03.5332.29
- 03.5332.AN

L: 2500 mm
- 03.5333.40
- 03.5333.29
- 03.5333.AN

L: 3000 mm
- 03.5334.40
- 03.5334.29
- 03.5334.AN



Luminous flux luminaire
1008 lm *L: 1000 mm

Beam Angle: 91°

h(m)	E(lx)	D(m)
1	425	2.04
2	106	4.07
3	47	6.11
4	27	8.15
5	17	10.18

4000K

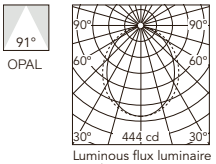
L: 1000 mm
- 03.5335.40
- 03.5335.29
- 03.5335.AN

L: 1500 mm
- 03.5336.40
- 03.5336.29
- 03.5336.AN

L: 2000 mm
- 03.5337.40
- 03.5337.29
- 03.5337.AN

L: 2500 mm
- 03.5338.40
- 03.5338.29
- 03.5338.AN

L: 3000 mm
- 03.5339.40
- 03.5339.29
- 03.5339.AN



Luminous flux luminaire
1053 lm *L: 1000 mm

Beam Angle: 91°

h(m)	E(lx)	D(m)
1	444	2.04
2	111	4.07
3	49	6.11
4	28	8.15
5	18	10.18

Accessories / Accesorios

Metal end cap for the different profiles.
2 unit kit.

Tapa metálica para los diferentes perfiles.
Kit de 2 unidades.



- 08.0131.40
- 08.0131.29
- 08.0131.14

One unit suspension kit (L = 4 m). Maximum distance between the suspension cables: 850mm. Ceiling anchor dimensions (h=63mm, d=22mm) and anchor to profile (l=63mm a=22mm h=7,5mm)

Kit de suspensión de una pieza (L = 4 m). La distancia máxima entre los cables de suspensión es de 850mm. Dimensiones anclaje a techo (h=63mm, d=22mm) y anclaje a perfil (l=63mm a=22mm h=7,5mm)



08.0139.00

5-meter long, power cable. To use with remote drivers.

Cable de alimentación de 5m de longitud. Para usar con drivers remotos.



- 06.0420.30
- 06.0420.14

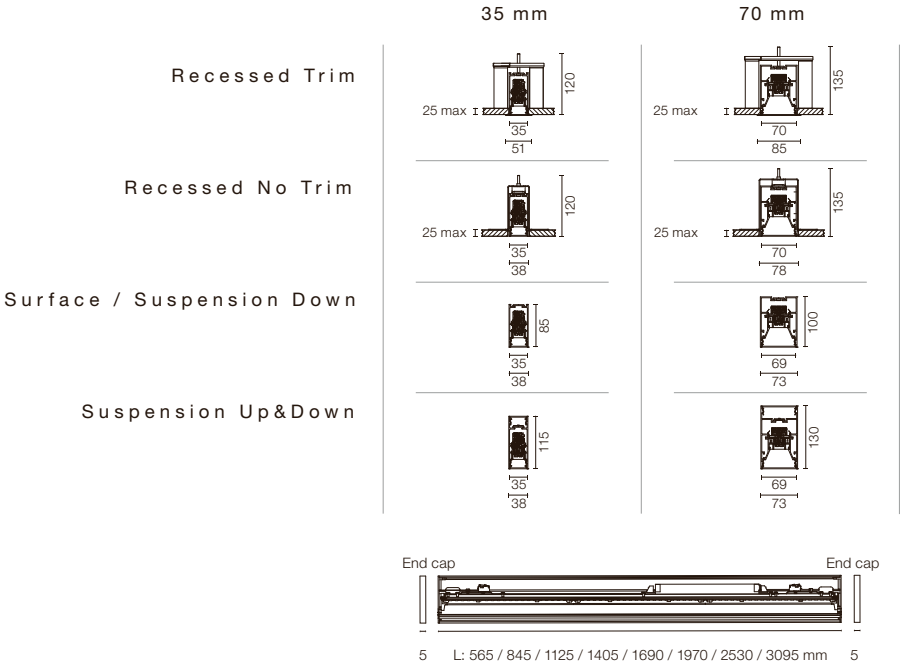
IN-FINITY 35 & 70

Profiles

Straight elements of different lengths and corner elements, to be composed according to the specific need of each project or to be completed by a pair of end caps and used as a single lamp.
All system elements are completely illuminated by an included LED module, the required driver, installation channel, and the diffuser for the version selected. Custom X or T elements available under request.

Perfiles

Elementos lineales y angulares de iluminación de distintas longitudes, para ser unidos dependiendo de las necesidades específicas de cada proyecto, o ser completadas con una tapa en cada extremo para ser utilizado como una única luminaria.
Todos los elementos del sistema están completamente iluminados por módulos LED que se encuentran incluidos, e incluyen además los drivers necesarios, canal de instalación y difusor de la versión seleccionada.
Elementos X o T custom disponibles bajo pedido.

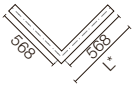


Flat Corner / Esquina Plana

Corner element lamps for angles on the same surface, complete with a driver, installation channel and the diffuser for the version selected.

Luminaria de esquina para ángulos que se mantienen en la misma superficie, completada con el driver, el canal de instalación y el difusor de la versión seleccionada.





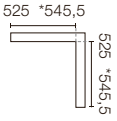
*L: 586 mm - N35 / L: 603 mm - N70

Dihedral Corner / Esquina Diédrica

Corner element lamps for angles with surface changes (example: angle ceiling / wall), complete with a driver, installation channel and the diffuser for the version selected. For suspended versions not available.

Luminaria de esquina para ángulos con cambio de superficie (ejemplo: ángulo de techo a pared), completada con el driver, el canal de instalación y el difusor de la versión seleccionada. No está disponible para versiones suspendidas.



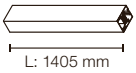


*35 mm section

Emergency / Emergencia

Emergency module available for all versions except for the Up&Down version. In normal use, it uses the same power consumption as the standard In-FInity. In emergency use, it emits 10% of normal use during 3 hours.

Módulo de emergencia disponible en todas las versiones, excepto la versión Up&Down. En uso normal, mismo consumo que el In-Finity estándar. En uso de emergencia, emite un 10% del flujo normal durante 3 horas.



L: 1405 mm

***Opal Diffuser / Difusor Opal**

Diffuse, glare free and uniform lighting throughout the room.
Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

Iluminación ambiental difusa, uniforme y apantallada.
Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



***Micro-Prismatic Diffuser / Difusor Microprismático**

Highly efficient multilayer diffuser that, thanks to its unique micro-prismatic texture, provides a glare free UGR<19 light beam.
Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

Difusor de alta eficiencia para iluminación apantallada de UGR<19, gracias a su especial textura microprismática multi-estrato.
Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



IN-FINITY 35 & 70

HOW TO GET YOUR CODE / CÓMO OBTENER SU CÓDIGO

For a quicker understanding and easier overview of the range, the part number structure for the In-Finity family has been created to be composed to match the requests of each specific installation.
According to the following table, for each field, just choose the number or letter corresponding to the In-Finity version you need, and you'll have the final code.

Para una comprensión más rápida y una visión general de la gama, la estructura de la numeración de las partes de la familia In-Finity se ha creado para que coincida, una vez compuesto, con las peticiones específicas de cada instalación.
De acuerdo con la siguiente tabla, para cada campo, simplemente seleccione el número o la letra correspondiente a la versión In-Finity que necesite, y obtendrá el código final.

N 70 S 25 4 U 14B DA

Section / Sección

35 mm	35
70 mm	70

***Installation / Instalación**

Recessed Trim	T
Recessed No Trim	N
Surface	S
Suspension Down	D
Suspension Up&Down	U

Elements / Elementos

Straight / Lineal 565 mm	05
Straight / Lineal 845 mm	08
Straight / Lineal 1125 mm	11
Straight / Lineal 1405 mm	14
Straight / Lineal 1690 mm	16
Straight / Lineal 1970 mm	19
Straight / Lineal 2530 mm	25
Straight / Lineal 3095 mm	30
Flat Corner / Esquina Plana	FC
Dihedral Corner / Esquina Diédrica	DC
Emergency / Emergencia (1405 mm)	EM

Color Tª / Temperatura de Color (°K)

3000K	3
4000K	4

****Optic / Óptica**

General Lighting (Opal)	G
Micro-Prismatic Diffuser	U

Colours / Colores

White / Blanco	30B
Anodized Grey / Gris Anodizado	02B
Black / Negro	14B

Version / Versión

Standard (Non Dimmable)	
Dali	DA

*No Trim Recessed version is only available in white finish (30) / La versión Recessed No Trim solo está disponible en acabado blanco (30).

*In Suspension versions only available flat corner / En las versiones Suspension solo está disponible la esquina plana.

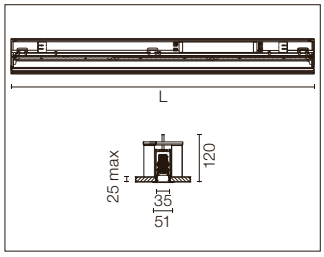
*Suspension Up&Down version is not available in 565 mm linear profile / En la versión Suspension Up&Down no está disponible el perfil lineal de 565 mm.

**Also available as separate accessories to fill gaps in structures with corners or longer than 3 m / Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.

In-Finity Recessed Trim 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80





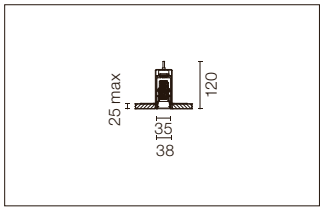


LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

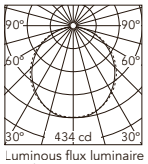
Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 35 mm







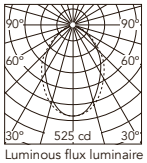


Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19





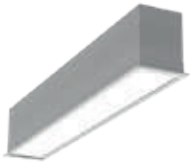
Luminous flux luminaire
968 lm *L: 1000 mm

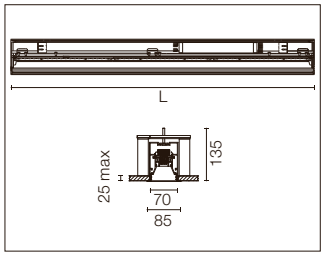
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	525	1.55
2	131	3.11
3	58	4.66
4	33	6.22
5	21	7.77

In-Finity Recessed Trim 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



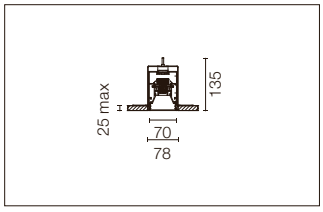




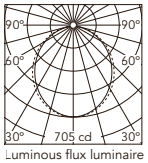
LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 70 mm



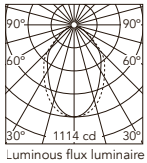




Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle:	103°
h(m) E(lx)	D(m)
1 705	2.51
2 176	5.03
3 78	7.54
4 44	10.05
5 28	12.57





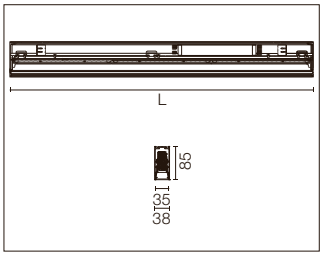
Luminous flux luminaire
1915 lm *L: 1000 mm

Beam Angle:	72°
h(m) E(lx)	D(m)
1 1114	1.46
2 278	2.92
3 124	4.38
4 70	5.84
5 45	7.30

In-Finity Surface 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80





IP 40

GWT 850°

DALI

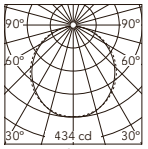
1 - 100%

LED INCL.

LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

110° OPAL

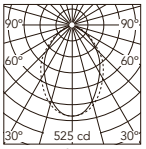


Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

76° MICRO-PRISMATIC



Luminous flux luminaire
968 lm *L: 1000 mm

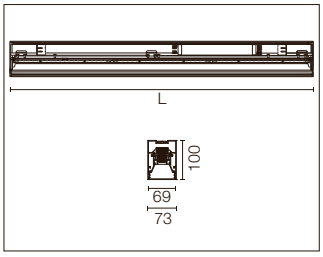
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	525	1.55
2	131	3.11
3	58	4.66
4	33	6.22
5	21	7.77

In-Finity Surface 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80





IP 40

GWT 850°

DALI

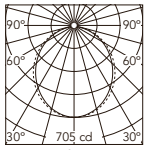
1 - 100%

LED INCL.

LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

103° OPAL

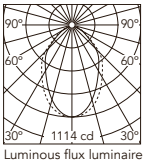


Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72° MICRO-PRISMATIC



Luminous flux luminaire
1915 lm *L: 1000 mm

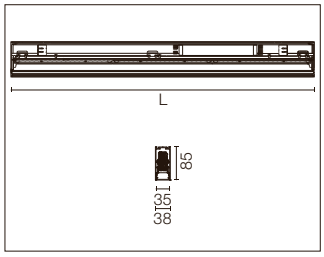
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

In-Finity Suspension Down 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



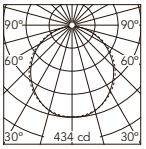


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.

110° OPAL

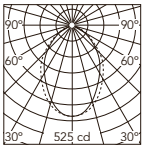


Luminous flux luminaire
1242 lm *L: 1000 mm

Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

76° MICRO-PRISMATIC



Luminous flux luminaire
968 lm *L: 1000 mm

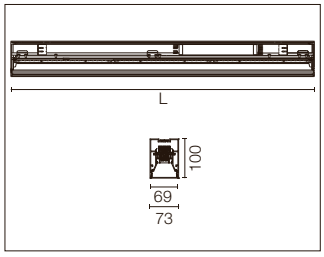
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	525	1.55
2	131	3.11
3	58	4.66
4	33	6.22
5	21	7.77

In-Finity Suspension Down 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



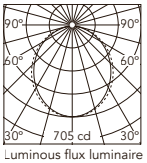


IP 20 · GWT 850° · 1 - 100% DALI · LED INCL

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.

103° OPAL

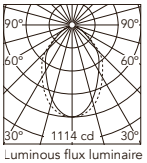


Luminous flux luminaire
1880 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72° MICRO-PRISMATIC



Luminous flux luminaire
1915 lm *L: 1000 mm

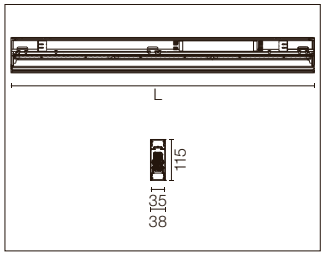
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

In-Finity Suspension Up&Down 35 mm

Light Source: Top LED 31,5W/m - 1785 lm/m UP - 2665 lm/m DOWN - 3000K/CRI 80 / 31,5W/m - 1875 lm/m UP - 2800 lm/m DOWN - 4000K/CRI 80





IP 20

GWT 850°

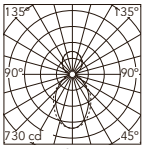
1 - 100% DALI

LED INCL

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.

103° OPAL

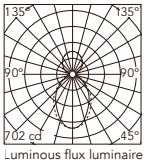


Luminous flux luminaire
2178 lm *L: 1000 mm

Beam Angle: 103°

h(m)	E(lx)	D(m)
1	730	1.55
2	182	3.11
3	81	4.66
4	46	6.22
5	29	7.77

76° MICRO-PRISMATIC



Luminous flux luminaire
2094 lm *L: 1000 mm

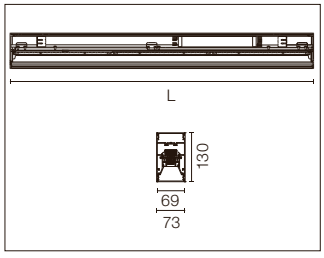
Beam Angle: 76°

h(m)	E(lx)	D(m)
1	702	1.55
2	175	3.11
3	78	4.66
4	44	6.22
5	28	7.77

In-Finity Suspension Up&Down 70 mm

Light Source: Top LED 38W/m - 1785 lm/m UP - 2985 lm/m DOWN - 3000K/CRI 80 / 38W/m - 1875 lm/m UP - 3135 lm/m DOWN - 4000K/CRI 80





IP 20

GWT 850°

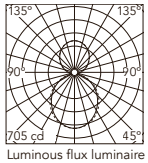
1 - 100% DALI

LED INCL

LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.

103° OPAL

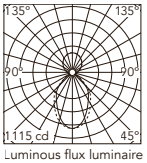


Luminous flux luminaire
3062 lm *L: 1000 mm

Beam Angle DIR: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

72° MICRO-PRISMATIC



Luminous flux luminaire
3108 lm *L: 1000 mm

Beam Angle DIR: 72°

h(m)	E(lx)	D(m)
1	1115	1.46
2	279	2.92
3	124	4.38
4	70	5.84
5	45	7.30

Accessories / Accesorios

Metal end cap for the different profiles.
2 unit kit.

Contact Flos Architectural team for a configuration without end caps.

*No Trim Recessed version is only available in white finish (40).

Tapa metálica para los diferentes perfiles.
Kit de 2 unidades.

Consultar al equipo Flos Architectural para una configuración sin tapas.

*La versión Recessed No Trim solo está disponible en acabado blanco (40).



Recessed Trim

35 mm
- 08.9051.40
- 08.9051.02
- 08.9051.NS

70 mm
- 08.9053.40
- 08.9053.02
- 08.9053.NS

Recessed No Trim*/ Surface / Suspension Down

35 mm
- 08.9050.40
- 08.9050.02
- 08.9050.NS

70 mm
- 08.9052.40
- 08.9052.02
- 08.9052.NS

Suspension Up&Down

35 mm
- 08.9056.40
- 08.9056.02
- 08.9056.NS

70 mm
- 08.9057.40
- 08.9057.02
- 08.9057.NS

One unit suspension kit (L = 4 m). Maximum distance between the suspension cables: 2 m. Ceiling anchor dimensions (h=63mm, d=22mm) and anchor to profile (l=36mm a=24mm h=9mm)

Kit de suspensión de una pieza (L = 4 m). La distancia máxima entre los cables de suspensión es de 2 m. Dimensiones anclaje a techo (h=63mm, d=22mm) y anclaje a perfil (l=36mm a=24mm h=9mm)



08.0030

Power supply rose for the hanging installation of the In-finity. The standard version comes with a three-pole cable for basic switching. The Dali version comes with a five-pole cable that can be used for double switching, independent from the direct and indirect lighting in the standard Up&Down version. Includes a 4 m suspension cable.

Rosetón de alimentación para la instalación suspendida del In-Finity. La versión estándard se suministra con cable de tres polos para encendido simple. La versión Dali se suministra con cable de cinco polos que puede ser utilizado para el encendido doble independiente de la luz directa e indirecta en la versión Up&Down estándard. Incluye cable de suspensión de 4 m.



08.0031.00
Dali Version
08.0031.00.DA

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500 mm opal diffuser. Diffuse, glare free and uniform lighting throughout the room.
Accessory to fill gaps in structures with corners or longer than 3 meters.

Accesorio difusor opal de 500 mm. Iluminación ambiental difusa, uniforme y apantallada.
Accesorio para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0109.00
In-Finity 70
08.0110.00

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500 mm micro-prismatic diffuser. Highly efficient multilayer diffuser that, thanks to its unique micro-prismatic texture, provides a glare free UGR<19 light beam.
Accessory to fill gaps in structures with corners or longer than 3 meters.

Accesorio microprismático opal de 500 mm. Difusor de alta eficiencia para iluminación apantallada de UGR<19, gracias a su especial textura microprismática multi-estrato.
Accesorio para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0112.00
In-Finity 70
08.0113.00

LIGHT CUT MINI

DESIGNED BY FLOS ARCHITECTURAL

PERIMETRAL 70 mm 140 mm



SPOTS MODULES



LIGHT SOURCE
LED ARRAY
18W
1850 lm
3000K/CRI 90

LIGHT SOURCE
LED ARRAY
HIGHT
PERFORMANCE
18W
2193 lm
3000K/CRI 90



LIGHT SOURCE
LED ARRAY
14,4W
1380 lm
3000K/CRI 90

☐ 30 Matte White
30 Blanco Mate



■ 14 Matte Black
14 Negro Mate



Description
Lighting system comprising an extruded profile which integrates perfectly in plasterboard ceilings. It is prepared for the simple integration of lighting with LED projectors. The projectors are prepared for installation directly on the profile, with Class II remote equipment. Furthermore, they are available in two sizes depending on the installation. It has accessories for visual comfort optimization and colour filters.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Additional Information
Can only be installed in 12.5 mm thick plaster-board.
It is possible to cut the profiles to any size.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Sistema de iluminación que se compone de un perfil de extrusión que se integra perfectamente en techos realizados en cartón yeso. Está preparado para integrar de una forma sencilla iluminación con proyectores LED. Los proyectores están preparados para ser instalados directamente sobre el perfil, con equipos remotos de clase II. Además están disponibles en dos tamaños en función de la instalación. Dispone de accesorios para optimizar el confort visual y filtros de color.

Fuente de luz
Posibilidad de integrar otro tipo de LED bajo demanda. Para más información, no dude en contactar con nuestro equipo.

Información Adicional
Únicamente instalable en superficies de cartón-yeso de 12,5 mm de espesor.
Es posible cortar los perfiles a cualquier medida.
Índice de protección IP20.
Instalable sobre superficies normalmente inflamables.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Profiles
Spot Module
Spot Module Electrical Connection

Channel 70 / Channel 140 Installation

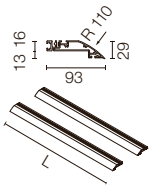
Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Channel installation consists of 1 or 2 meter profiles, double inside and outside corners. It is possible to cut the profiles to any size.

Instalación Canal 70 / Canal 140

Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación en canal se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores dobles. Es posible cortar los perfiles a cualquier medida.

Aluminium profile. 2 unit kit.

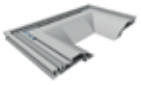
Perfil de aluminio. Kit de 2 unidades.

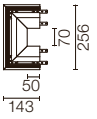


Channel 70 / 140
L: 1000 mm
08.8720.30
08.8720.14
L: 2000 mm
08.8721.30
08.8721.14

End cap.

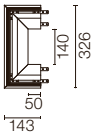
Terminal.





Channel 70
08.8705.30
08.8705.14



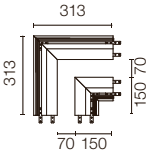


Channel 140
08.8706.30
08.8706.14

Corner.

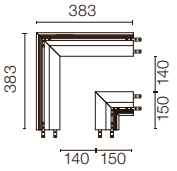
Esquina.





Channel 70
08.8707.30
08.8707.14





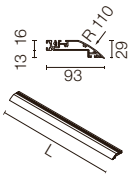
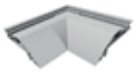
Channel 140
08.8708.30
08.8708.14

Perimetral Installation

Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Perimetral installation consists of 1 or 2 meter profiles, inside and outside corners. It is possible to cut the profiles to any size.

Instalación Perimetral

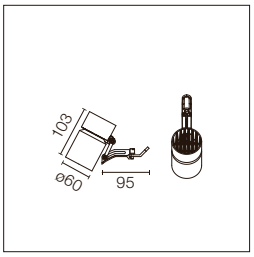
Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación permiteral se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores. Es posible cortar los perfiles a cualquier medida.

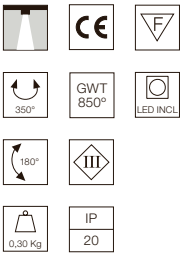
Aluminium profile. 1 unit kit.	Perfil de aluminio. Kit de 1 unidad.			L: 1000 mm 08.8701.30 08.8701.14 L: 2000 mm 08.8702.30 08.8702.14
Inner corner.	Esquina interior.			08.8709.30 08.8709.14
Outer corner.	Esquina exterior.			08.8710.30 08.8710.14
Accessory for vertical corner.	Accesorio para esquina vertical.			08.8711.00

Spot Module Pro LED Array

Light Source: LED Array DC 500 mA - 18W - 1850 lm - 3000K/CRI 90
LED Array High Performance DC 500 mA - 18W - 2193 lm - 3000K/CRI 90







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included. High performance part numbers include high performance reflector.

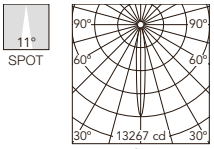
Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.
Las referencias “High Perfermance” incluyen reflector de alto rendimiento.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V / Push 220-240V	60.9188
Dimmable DALI 2 110-240V	60.9222
Mains Dimming 220-240V	60.9467
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

09.0360.30
09.0360.14

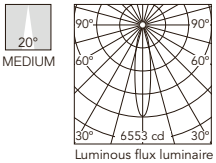


Beam Angle: 11°

h(m)	E(lx)	D(m)
1	13267	0.19
2	3317	0.39
3	1474	0.58
4	829	0.77
5	531	0.97

Luminous flux luminaire 1234 lm

09.0361.30
09.0361.14

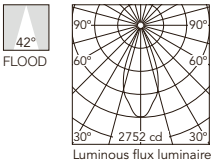


Beam Angle: 20°

h(m)	E(lx)	D(m)
1	6553	0.35
2	1638	0.71
3	728	1.06
4	410	1.41
5	262	1.77

Luminous flux luminaire 1207 lm

09.0362.30
09.0362.14

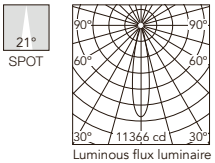


Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2752	0.76
2	688	1.53
3	306	2.29
4	172	3.05
5	110	3.81

Luminous flux luminaire 1162 lm

High Performance
09.0365.30A
09.0365.14A

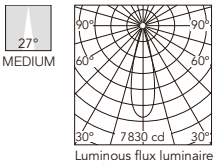


Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11366	0.36
2	2842	0.73
3	1263	1.09
4	710	1.46
5	455	1.82

Luminous flux luminaire 1803 lm

High Performance
09.0366.30A
09.0366.14A

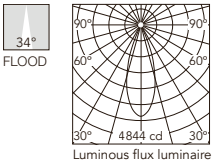


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7830	0.49
2	1957	0.97
3	870	1.46
4	489	1.95
5	313	2.43

Luminous flux luminaire 1717 lm

High Performance
09.0367.30A
09.0367.14A



Beam Angle: 34°

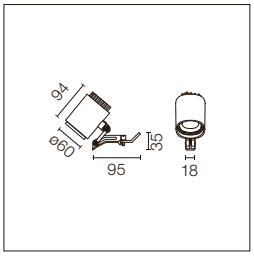
h(m)	E(lx)	D(m)
1	4844	0.62
2	1211	1.24
3	538	1.86
4	303	2.48
5	194	3.10

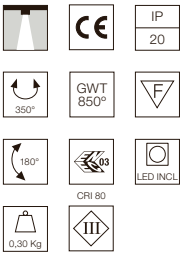
Luminous flux luminaire 1611 lm

Spot Module LED Array

Light Source: LED Array DC 300 mA - 10W - 1380 lm - 3000K/CRI 90







Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

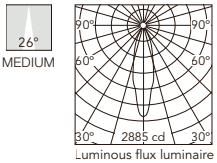
Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Dimmable 0/1-10V 110-240V	60.9188
Dimmable Dali 2 110-240V	60.8711A
Mains Dim. Trailing Edge 220-240V	60.9421
Casambi 220-240V	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

CRI 90
09.0217.30C
09.0217.14C

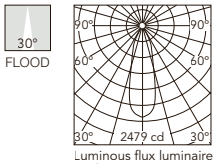


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2885	0.46
2	721	0.93
3	321	1.39
4	180	1.86
5	115	2.32

Luminous flux luminaire 853 lm

CRI 90
09.0218.30C
09.0218.14C

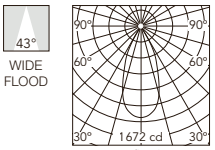


Beam Angle: 30°

h(m)	E(lx)	D(m)
1	2479	0.53
2	620	1.06
3	275	1.59
4	155	2.11
5	99	2.64

Luminous flux luminaire 881 lm

CRI 90
09.0219.30C
09.0219.14C



Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1672	0.79
2	418	1.58
3	186	2.37
4	105	3.16
5	67	3.95

Luminous flux luminaire 886 lm

Accessories / Accesorios

Spot module: LED Array

Blue filter Filtro azul		08.8501.64.OD
Sky blue filter Filtro celeste		08.8501.65.OD
Amber filter Filtro ámbar		08.8501.66.OD
Red filter Filtro rojo		08.8501.67.OD
Hot light Hot light		08.8501.69
Cold light Cold light		08.8501.CL
Daylight Daylight		08.8501.DL
Neodimium Neodimium		08.8501.ND
Honeycomb Honeycomb		08.3309.14
Elliptical lens Lente elíptica		08.8627.68
Flood lens Lente flood		08.3310.19

HIGH COMFORT

Gustave, EMI, Oblique, Oblique Floor,
Workmates, Light Shadow, Light Shadow
Pro&Dots, Eclectic, Circle of Light,
LED Curtain.

GUSTAVE

DESIGNED VINCENT VAN DUYSEN

GUSTAVE
HOSPITALITY



LIGHT SOURCE
TOP LED
2,3W
221 lm
2700K/CRI 90
235 lm
3000K/CRI 90

GUSTAVE
RESIDENTIAL



LIGHT SOURCE
TOP LED
2,5W
221 lm
2700K/CRI 90
235 lm
3000K/CRI 90

DY Matt White



DR Matt Anthracite



MR Laquered Brown



GX Laquered Green



05 Polished Silver



SB Smooth Black



VL Raw Aluminum



GUSTAVE

Description
Gustave is a portable, self-powered luminaire, specially designed for tabletop lighting applications and other related uses as supplementary lighting. Gustave's compact size encloses a perfect mix of the most innovative optical and light technology and a disruptive engineering, developed in the service of a discretionary purpose of Flos for this project: to create the first portable luminaire on the market with circular design awareness, ecological and honestly conceived against obsolescence.

Optical System
Gustave is the first luminaire to incorporate a system of exclusive, patented by Flos, asymmetrical emission lenses, arranged in revolution and spanning 360º around the position of the lamp. This pioneering innovation makes it possible to achieve a large illuminated surface in relation to the central point of the light source. The expanse and intensity of the light distribution has been designed to optimize the light obtained in archetypal applications for tables hosting 2 to 4 guests. Thus, with Gustave, the ratio between the surface occupied by the lamp and the area illuminated by it is improved to the maximum.

Power Supply: Batteries
Gustave uses lithium-ion cell batteries that are replaceable and rechargeable, either via a USB cable for the Residential version, or externally by using dedicated chargers for the Hospitality version. This battery format is standard and easy to purchase from retail distributors of such products. This concept, a sort of upgrade of the classic flashlight batteries, puts an end to the link between battery life and lamp obsolescence. When the batteries reach the end of their cycle, they are simply replaced with new ones and Gustave continues to function as on the first day.
In addition, in the Hospitality version for professionals, a remarkable functional improvement is achieved thanks to its battery philosophy. Unlike its alternatives, when Gustave runs out of power, it can quickly continue to operate: just easily replace the batteries with charged ones and it will be operational again. On top of that, Gustave allows hotels and restaurants to avoid the cost of multiplying the units needed to have lighting throughout the service hours. Just having one Gustave per desired spot and the relevant sets of batteries and chargers to provide them with power during opening hours will be enough.

Autonomy: Management and Functionality
When Gustave's charge drops below 20%, its red LED indicator (located at the bottom of the product head) lights. When it drops below 10%, in addition to the red indicator, the lamp is forced to dim the maximum intensity to 25%. When it reaches 0%, the luminaire automatically switches off. In the Hospitality version, the autonomy of the product is 12h at 100%, 24h at 50% and 48h at 25%. Charging time will depend on the external charger model and its characteristics. In the Residential version, the product autonomy is 6h at 100%, 10h at 50% and 18h at 25%. Approximate charging time is 5 to 6 hours. During charging, the LED indicator will remain yellow. When it reaches full charge, it changes to green. It is recommended to charge the product while it is turned off.

Control System
Gustave is switched on, off and dimmed via a capacitive button located at the base of the luminaire head. In the Residential version, product dimming is sequential from 0-100% and vice versa. It has last position memory and an indicator that flashes when the maximum or minimum intensity is reached. To facilitate uniformity between the Gustave Hospitality version units sharing a space, the light level is dimmed in 3 steps (25%, 50%, 100%).

Accessories and Spare Parts
As accessories, Gustave offers an external battery charger in the Hospitality version and a power adapter for the USB charging cable in the Residential version. Lithium-ion batteries are also offered as accessories and/or spare parts for both versions. The Residential version is sold with batteries included. The Hospitality version is sold without batteries and these must be purchased separately. If the lithium-ion batteries are purchased from a non-Flos distributor, it is important to ensure that they meet the dimensional, electrical and other requirements stated in the product instructions.

Additional Information
IP54 protection rating.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Gustave es una luminaria portátil, con alimentación autónoma, especialmente concebida para aplicaciones de iluminación de sobremesa y otros usos afines como luz auxiliar. En sus contenidas dimensiones Gustave encierra un compendio perfecto entre la más innovadora tecnología óptico-lumínica y una ingeniería disruptiva, desarrollada al servicio de un propósito discrecional de Flos para este proyecto: crear la primera luminaria portátil del mercado con conciencia de diseño circular, ecológica y honestamente concebida contra la obsolescencia.

Sistema óptico
Gustave es la primera luminaria que incorpora un sistema de lentes de emisión asimétrica -exlusivas y pantentadas por Flos-, dispuestas en revolución, que abarcan 360º alrededor de la posición de la lámpara. Esta pionera innovación permite conseguir una extensa superficie iluminada con relación al punto central de la fuente luminosa. La amplitud e intensidad de la distribución lumínica se ha diseñado para optimizar la luz obtenida en las aplicaciones arquetípicas para mesas de 2 a 4 comensales. Así pues, con Gustave, se mejora al máximo la relación entre la superficie ocupada por la lámpara y el área iluminada por ésta.

Alimentación: baterías
Las baterías de Gustave son unas celdas de ion-litio tipo 'pila' reemplazables y recargables (tanto mediante un cable USB -versión residencial-, como externamente en cargadores dedicados -versión hospitality-). Este formato de pila es estándar y fácil de adquirir en distribuidores al por menor de este tipo de productos. Este concepto, una suerte de actualización de las pilas de las clásicas linternas, pone fin al vínculo entre la vida útil de las baterías y la obsolescencia de la lámpara. Cuando éstas lleguen al final de su ciclo, simplemente se sustituyen por otras nuevas y Gustave sigue funcionando como el primer día.
Ademas, en la versión hospitality para profesionales, se logra una notable mejora funcional gracias a su filosofía de baterías. A diferencia de sus alternativas, cuando Gustave se queda sin energía, puede seguir funcionando al minuto: solo hay que cambiar fácilmente las pilas por unas con carga y vuelve a estar operativa. Por si esto fuera poco, Gustave permite a hoteles y restaurantes evitar el coste de multiplicar las unidades necesarias para poder tener iluminación en todo el horario de servicio. Bastará con una Gustave por punto deseado y los juegos de pilas y cargadores pertinentes para abastecerlas de energía durante las horas de atención al público.

Autonomía: gestión y funcionalidad
Cuando Gustave desciende del 20% de carga se enciende en color rojo su LED indicador (situado en la parte inferior de la cabeza del producto). Cuando desciende del 10%, además del indicador rojo, atenúa la intensidad máxima al 25% de manera forzada. Al llegar al 0%, la luminaria se apagará automáticamente. En la versión hospitality, la autonomía del producto es de 12h al 100%, 24h al 50% y 48h al 25%. El tiempo de recarga dependerá del modelo de cargador externo y sus características. En la versión residencial, la autonomía del producto es de 6h al 100%, 10h al 50% y 18h al 25%.
El tiempo aproximado de recarga es de 5h a 6h. Durante la carga el LED indicador permanecerá en amarillo. Al llegar a la carga completa cambiará a verde. Se recomienda la carga del producto mientras está apagado.

Sistema de control
Gustave se enciende, apaga y regula a través de un botón capacitativo situado en la base de la cabeza de la luminaria. En la versión residencial, la regulación del producto es secuencial de 0-100% y viceversa. Dispone de memoria de última posición y parpadeo para indicar que la intensidad alcanza el máximo o el mínimo. En la versión hospitality, para facilitar la uniformidad entre unidades de Gustave que comparten espacio, la regulación se realiza en escalones de 3 pasos (25%, 50%, 100%).

Accesorios y recambios
Gustave ofrece como accesorios un cargador de pilas externo en la versión hospitality y un adaptador a corriente para el cable de carga USB en la versión residencial. Las pilas de ion-litio también se ofrecen como accesorios y/o repuestos, para ambas versiones. La versión residencial se vende con las pilas ya incluidas. La versión hospitality requiere adquirir las pilas de manera independiente al producto, que se comercializa sin pilas. En caso de adquirir las pilas de ion-litio en un distribuidor ajeno a Flos, es importante asegurarse de que las pilas cumplen con los requisitos dimensionales, eléctricos y de otro tipo que se indican en las instrucciones del producto.

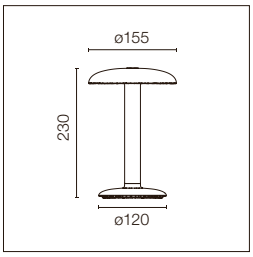
Información Adicional
Índice de protección IP54.

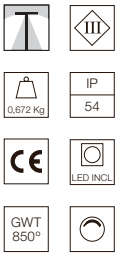
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Gustave Hospitality

Light Source: Top LED DC 60 mA - 2,3W - 221 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90







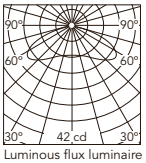
Portable luminaire with autonomous battery, designed for hospitality (hotels, restaurants...). Powered by 'Button Type 18650 Li-Ion' batteries (3 units, not included). External battery charger, not included. 3-Step dimming (25%, 50%, 100%) by means of capacitive haptic push button.

Luminaria portátil de batería autónoma diseñada para hospitality (hoteles, restaurantes, etc). Alimentación por pilas 'Button Type 18650 Li-Ion' (3 unidades, no incluidas). Cargador externo de las pilas, no incluido. Regulación en escalones de 3 pasos (25%, 50%, 100%), mediante pulsador háptico capacitativo.

2700K

- 09.8400.DY
- 09.8400.DR
- 09.8400.MR
- 09.8400.GX
- 09.8400.05
- 09.8400.SB
- 09.8400.VL





Luminous flux luminaire
159 lm

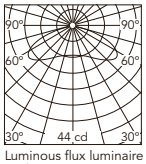
Beam Angle: 145°

h(m)	E(lx)	D(m)
1	22	6.28
2	6	12.56
3	2	18.84
4	1	25.11
5	1	31.39

3000K

- 09.8401.DY
- 09.8401.DR
- 09.8401.MR
- 09.8401.GX
- 09.8401.05
- 09.8401.SB
- 09.8401.VL





Luminous flux luminaire
169 lm

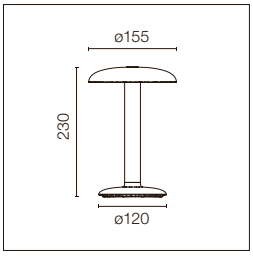
Beam Angle: 145°

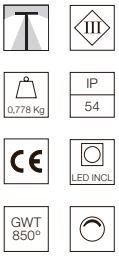
h(m)	E(lx)	D(m)
1	24	6.28
2	6	12.56
3	3	18.84
4	1	25.11
5	1	31.39

Gustave Residential

Light Source: Top Array DC 60 mA - 2,5W - 221 lm - 2700K/CRI 90 / 2,5W - 235 lm - 3000K/CRI 90







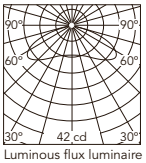
Portable luminaire with autonomous battery, designed for residential applications. Powered by 'Button Type 18650 Li-Ion' batteries (2 units, included inside the product). USB-C charging cable (plug adapter not included). 0-100% sequential regulation by means of capacitive haptic push button.

Luminaria portátil de batería autónoma diseñada para residencial. Alimentación por pilas 'Button Type 18650 Li-Ion' (2 unidades, incluidas en el interior del producto). Cable para carga tipo USB-C (adaptador para el enchufe, no incluido). Regulación secuencial 0-100%, mediante pulsador háptico capacitativo.

2700K

- 09.8405.DY
- 09.8405.DR
- 09.8405.MR
- 09.8405.GX
- 09.8405.05
- 09.8405.SB
- 09.8405.VL





Luminous flux luminaire
159 lm

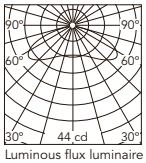
Beam Angle: 145°

h(m)	E(lx)	D(m)
1	22	6.28
2	6	12.56
3	2	18.84
4	1	25.11
5	1	31.39

3000K

- 09.8406.DY
- 09.8406.DR
- 09.8406.MR
- 09.8406.GX
- 09.8406.05
- 09.8406.SB
- 09.8406.VL





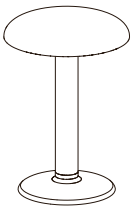
Luminous flux luminaire
169 lm

Beam Angle: 145°

h(m)	E(lx)	D(m)
1	24	6.28
2	6	12.56
3	3	18.84
4	1	25.11
5	1	31.39

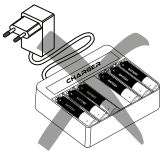
HOW TO ORDER GUSTAVE

Gustave Hospitality



Accessories

Battery Charger
(Not included)



Battery Pack
(Not included)



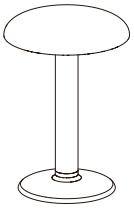


Button Type



Flat Type

Gustave Residential



Battery Pack
(Included)



Accessories & Spare parts

Cable for Gustave Residetial
(Included)

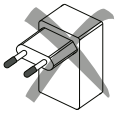


White Cable

Black Cable



Adapter 5V. Min 2A
(Not included)

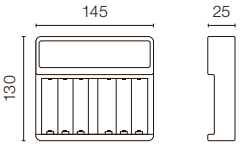


Accessories (Hospitality) / Accesorios (Hospitality)

Lithium battery charger.
6 Charging Bays

Cargador Baterías Litio.
6 bahías de carga

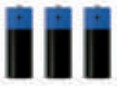


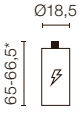


Hospitality
EUR
60.9848
UK
08.0958.00
US
60.9952

Battery pack - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE

Pack Pilas - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE





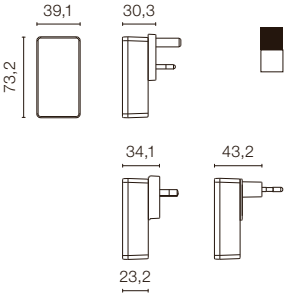
Hospitality
Pack x3
08.0745.00
Pack x6
08.0746.00
Pack x12
08.0747.00
Pack x24
08.0748.00

Accessories (Residential) / Accesorios (Residential)

Adapter 5V. Min 2A.
EUR / USA / UK

Adaptador 5V. Min 2A.
EUR / USA / UK





Residential
RF27576
RF25965

Spare parts (Residential) / Repuestos (Residential)

Battery pack - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE

Pack Pilas - Button Type
ICR18650 Li-Ion. 2600 mAh
by HWE





Residential
Pack x2
08.0744.00

Cable for Gustave Residetial
USB-A/USB-C. - L= 1,2m.

Cable para Gustave Residetial
USB-A/USB-C. - L= 1,2m.



Residential
08.0761.14
08.0761.30

* Strict dimensional range / Rango dimensional estricto.

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC



NEW

Description
Emi, designed by Erwan Bouroullec, combines different light sources with a high level of visual comfort to create a unique experience of light and shadow. This intriguing contrast is created by combining a matt, monolithic body with lens units featuring a high luminous flux and with an invisible source.
The design of this collection comes from grouping together three light modules inside compact, linear extrusions that give the lamp a triangular shape which is reflected all throughout its design. The main section, the pole and the stands share this shape, creating a cohesive and aesthetically balanced structure.
Emi is mainly made from metal: the base of the lamp is cast iron, while the pole and main body are aluminium. The upper and lower sections are made with polymers. Considerable effort has been made to minimise the surfaces and thicknesses all throughout the collection in order to optimise the use of materials.
The Emi collection is available in three versions: ceiling, floor and table. This variety helps adapt the light of Emi to spaces both at home and in hospitality.
The repeated use of a similar style in all the models lets you position multiple luminaires with the same style, which can be arranged in a space through repetition, alignment and symmetry. This makes Emi a new type of architectural light that can be used as a series, providing a uniform design that fits in perfectly with the surrounding architecture.

Lens system and models
The ceiling version of Emi is available in two sizes, one thinner and one wider, and in different lengths. It has a linear structure formed of a vertical tube that generates a direct beam of light. What makes it special is its modular options: it can be used individually or by combining different elements, therefore creating ever different and spectacular combinations of light, while maintaining its elegant simplicity.
The floor version of EMI seems to float on air, made lighter by a rod that connects it to the base, while maintaining the triangular identity that characterises the ceiling version. This model has two-way lighting: in the upper part, the light is powerful enough to light up a whole space without any glare, thanks to the special shape of the beam of light. In the lower part, the light is soft and diffused, which is perfect for combining with other sources of light such as a television.
The table version of Emi works in a similar way to the floor version, but it is a smaller size, adapting perfectly and discreetly to any horizontal surface.

Control Systems
The Ceiling models are available with the following setting options *Non Dimming*, *DALI*, *1-10V* and *Mains Dimming*. While the *Floor* and *Table* versions can be adjusted with *Touch Dimming* capacitive sensors in the top part of the central rod.

Additional Information
The advanced technology of Emi goes perfectly with its sustainable design. The lamp's body is mainly made from aluminium (partially recycled and completely recycled), guaranteeing a lower environmental impact.
Durability is another key part of Emi's design. The product is designed to stand the test of time with the goal of avoiding waste and rapid obsolescence. Every lens unit can be replaced individually to make maintenance easier, while the absence of glues and welding simplifies the disassembly and correct disposal of individual parts at the useful end of the product's life.
Mains Dimming Products – Please read *Mains Dimming* disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

Descripción
Emi, diseñada por Erwan Bouroullec, combina diferentes fuentes de luz de alto confort visual para crear una experiencia única de luces y sombras. Este intrigante contraste se consigue gracias a la unión de un cuerpo -opaco y monolítico-, con conjuntos ópticos de alto flujo lumínico y con origen de luz invisible.
El diseño de esta colección se concreta a partir de la agrupación de tres módulos luminosos dentro de extrusiones lineales y compactas, que dan a la lámpara su forma triangular que se refleja en todo su diseño. La sección principal, el poste y las gradas comparten esta forma, creando una estructura coherente y estéticamente equilibrada.
Emi se fabrica principalmente con metales: la base de la lámpara es de hierro fundido, mientras que la varilla y el cuerpo principal son de aluminio. Se utilizan polímeros para las secciones superior e inferior.
Se han realizado importantes esfuerzos para minimizar superficies y espesores en toda la colección con el fin de optimizar el uso de materiales.
La colección Emi está disponible en tres versiones: de techo, de pie y de mesa. Esta variedad permite adaptar la luz de Emi tanto a espacios residenciales como *hospitality*.
El uso repetido de un lenguaje similar, en todos sus modelos, permite ubicar múltiples cuerpos de luz que comparten lenguaje y se pueden organizar en el espacio a través de la iteración, la alineación y la simetría. Esto convierte a Emi en un nuevo tipo de iluminación arquitectónica que se puede utilizar de forma seriada, proporcionando un diseño uniforme que se integra perfectamente con la arquitectura circundante.

Modelos y sistema óptico
La versión de techo de Emi está disponible en dos tamaños, más delgado o más ancho, y en diferentes longitudes. Tiene una estructura lineal formada por un tubo vertical que genera un haz de luz directo. Lo que lo hace especial es su modularidad: se puede utilizar individualmente o combinando diferentes elementos, creando así combinaciones de luz siempre diferentes y escenográficas, manteniendo su elegante sencillez.
La versión de pie de Emi parece flotar en el aire, aligerada por un tallo que la une a la base, manteniendo la identidad triangular que caracteriza a la versión de techo. La iluminación de este modelo es bidireccional: en la parte superior, la luz es lo suficientemente potente como para iluminar todo el espacio sin deslumbrar, gracias a la forma particular del haz de luz. En la parte inferior la luz es suave y difusa, perfecta para combinar con otras fuentes de luz como un televisor.
La versión de mesa de Emi funciona de manera similar a la versión de pie, pero con unas dimensiones reducidas, adaptándose a la perfección y de forma discreta a cualquier superficie horizontal.

Sistemas de control
Los modelos *Ceiling* están disponibles en opciones de regulación *Non Dimming, DALI, 1-10V* y *Mains Dimming*. Las versiones *Floor* y *Table*, se pueden regular mediante sensores capacitativos *Touch Dimming* ubicados en la parte superior del tallo central.

Información Adicional
La tecnología avanzada de Emi combina perfectamente con el diseño sostenible. El cuerpo de la lámpara está fabricado principalmente en aluminio (parcialmente reciclado y totalmente reciclable), lo que garantiza un impacto medioambiental reducido.
La durabilidad es otro elemento clave del diseño de Emi. El producto está diseñado para perdurar en el tiempo, con el objetivo de evitar el desperdicio y la rápida obsolescencia. Cada unidad óptica se puede reemplazar individualmente para facilitar el mantenimiento, mientras que la ausencia de pegamentos y soldaduras simplifica el desmontaje y la eliminación adecuada de las piezas individuales al final de la vida útil del producto.
Productos *Mains Dimming* - Lea la cláusula de exención de responsabilidad sobre *Mains Dimming* en el capítulo de controladores (Drivers).

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC



NEW

EMI CEILING
LARGE
H240



EMI CEILING
LARGE
H340



EMI CEILING
LARGE
H540



LIGHT SOURCE
LED ARRAY
28W
2289 lm
2700K/CRI 90
2303 lm
3000K/CRI 90

EMI CEILING
SMALL
H240



EMI CEILING
SMALL
H340



EMI CEILING
SMALL
H540



LIGHT SOURCE
POWER LED
11W
751 lm
2700K/CRI 90
772 lm
3000K/CRI 90

LIGHT SOURCE
POWER LED
Mains Dimming
8,5W
607 lm
2700K/CRI 90
631 lm
3000K/CRI 90

NEW

EMI

DESIGNED BY ERWAN BOUROULLEC

EMI
TABLE



LIGHT SOURCE
UP
LED ARRAY
31W
3087 lm
2700K/CRI 90
3111 lm
3000K/CRI 90

DOWN
POWER LED
12,5W
1087 lm
2700K/CRI 90
1161 lm
3000K/CRI 90

EMI
FLOOR



LIGHT SOURCE
UP
LED ARRAY
37W
3714 lm
2700K/CRI 90
3741 lm
3000K/CRI 90

DOWN
POWER LED
12,5W
1087 lm
2700K/CRI 90
1161 lm
3000K/CRI 90

NEW

Emi Ceiling

OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue



Emi Table

OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue



Emi Floor

OW Off White | OW.XX All Off White | RY Deep Red | GY Deep Green | ZY Deep Blue

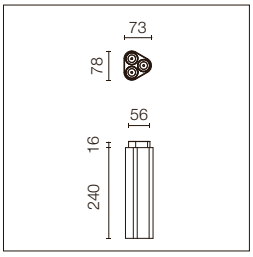


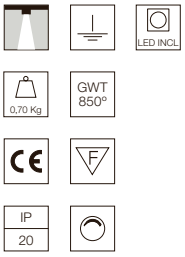
NEW

Emi Ceiling Small H240

Light Source: Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

Optic Spot
2700K

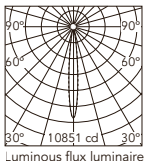
Non Dimming
- 05.4300.OW
- 05.4300.OW.78
- 05.4300.RY
- 05.4300.GY
- 05.4300.ZY

DALI 2
- 05.4300.OW.DA
- 05.4300.OW.YU
- 05.4300.RY.DA
- 05.4300.GY.DA
- 05.4300.ZY.DA

1-10V
- 05.4300.OW.1V
- 05.4300.OW.RX
- 05.4300.RY.1V
- 05.4300.GY.1V
- 05.4300.ZY.1V

Mains Dimming
- 05.4300.OW.NI
- 05.4300.OW.CN
- 05.4300.RY.NI
- 05.4300.GY.NI
- 05.4300.ZY.NI

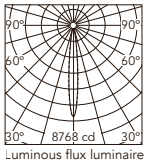
11° SPOT



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	10851 0.20
2	2713 0.39
3	1206 0.59
4	678 0.78
5	434 0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	8768 0.20
2	2192 0.39
3	974 0.59
4	548 0.78
5	351 0.98

Optic Medium
2700K

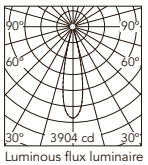
Non Dimming
- 05.4301.OW
- 05.4301.OW.78
- 05.4301.RY
- 05.4301.GY
- 05.4301.ZY

DALI 2
- 05.4301.OW.DA
- 05.4301.OW.YU
- 05.4301.RY.DA
- 05.4301.GY.DA
- 05.4301.ZY.DA

1-10V
- 05.4301.OW.1V
- 05.4301.OW.RX
- 05.4301.RY.1V
- 05.4301.GY.1V
- 05.4301.ZY.1V

Mains Dimming
- 05.4301.OW.NI
- 05.4301.OW.CN
- 05.4301.RY.NI
- 05.4301.GY.NI
- 05.4301.ZY.NI

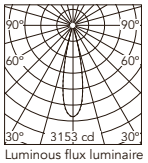
23° MEDIUM



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3904 0.40
2	976 0.81
3	434 1.21
4	244 1.62
5	156 2.02

23° MEDIUM



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3153 0.40
2	788 0.81
3	350 1.21
4	197 1.62
5	126 2.02

3000K

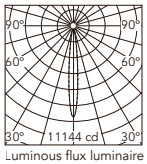
Non Dimming
- 05.4305.OW
- 05.4305.OW.78
- 05.4305.RY
- 05.4305.GY
- 05.4305.ZY

DALI 2
- 05.4305.OW.DA
- 05.4305.OW.YU
- 05.4305.RY.DA
- 05.4305.GY.DA
- 05.4305.ZY.DA

1-10V
- 05.4305.OW.1V
- 05.4305.OW.RX
- 05.4305.RY.1V
- 05.4305.GY.1V
- 05.4305.ZY.1V

Mains Dimming
- 05.4305.OW.NI
- 05.4305.OW.CN
- 05.4305.RY.NI
- 05.4305.GY.NI
- 05.4305.ZY.NI

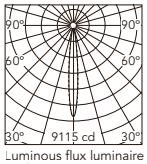
11° SPOT



Luminous flux luminaire
645 lm 900 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	11144 0.20
2	2786 0.39
3	1238 0.59
4	697 0.78
5	446 0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle:	11°
h(m)	E(lx) D(m)
1	9115 0.20
2	2279 0.39
3	1013 0.59
4	570 0.78
5	365 0.98

3000K

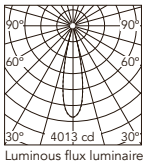
Non Dimming
- 05.4306.OW
- 05.4306.OW.78
- 05.4306.RY
- 05.4306.GY
- 05.4306.ZY

DALI 2
- 05.4306.OW.DA
- 05.4306.OW.YU
- 05.4306.RY.DA
- 05.4306.GY.DA
- 05.4306.ZY.DA

1-10V
- 05.4306.OW.1V
- 05.4306.OW.RX
- 05.4306.RY.1V
- 05.4306.GY.1V
- 05.4306.ZY.1V

Mains Dimming
- 05.4306.OW.NI
- 05.4306.OW.CN
- 05.4306.RY.NI
- 05.4306.GY.NI
- 05.4306.ZY.NI

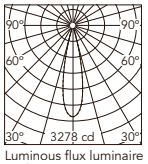
23° MEDIUM



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	4013 0.40
2	1003 0.81
3	446 1.21
4	251 1.62
5	161 2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle:	23°
h(m)	E(lx) D(m)
1	3278 0.40
2	820 0.81
3	364 1.21
4	205 1.62
5	131 2.02

NEW

Optic Flood
2700K

Non Dimming

- 05.4302.OW
- 05.4302.OW.78
- 05.4302.RY
- 05.4302.GY
- 05.4302.ZY

DALI 2

- 05.4302.OW.DA
- 05.4302.OW.YU
- 05.4302.RY.DA
- 05.4302.GY.DA
- 05.4302.ZY.DA

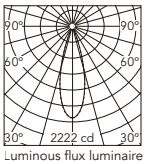
1-10V

- 05.4302.OW.1V
- 05.4302.OW.RX
- 05.4302.RY.1V
- 05.4302.GY.1V
- 05.4302.ZY.1V

Mains Dimming

- 05.4302.OW.NI
- 05.4302.OW.CN
- 05.4302.RY.NI
- 05.4302.GY.NI
- 05.4302.ZY.NI

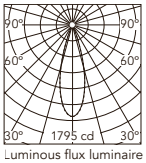
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

Non Dimming

- 05.4303.OW
- 05.4303.OW.78
- 05.4303.RY
- 05.4303.GY
- 05.4303.ZY

DALI 2

- 05.4303.OW.DA
- 05.4303.OW.YU
- 05.4303.RY.DA
- 05.4303.GY.DA
- 05.4303.ZY.DA

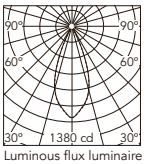
1-10V

- 05.4303.OW.1V
- 05.4303.OW.RX
- 05.4303.RY.1V
- 05.4303.GY.1V
- 05.4303.ZY.1V

Mains Dimming

- 05.4303.OW.NI
- 05.4303.OW.CN
- 05.4303.RY.NI
- 05.4303.GY.NI
- 05.4303.ZY.NI

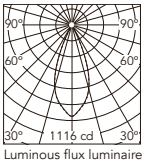
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

41° WIDE FLOOD



Luminous flux luminaire
477 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1116 0.75
2	279 1.49
3	124 2.24
4	70 2.98
5	45 3.73

3000K

Non Dimming

- 05.4307.OW
- 05.4307.OW.78
- 05.4307.RY
- 05.4307.GY
- 05.4307.ZY

DALI 2

- 05.4307.OW.DA
- 05.4307.OW.YU
- 05.4307.RY.DA
- 05.4307.GY.DA
- 05.4307.ZY.DA

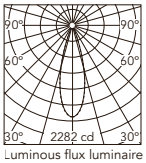
1-10V

- 05.4307.OW.1V
- 05.4307.OW.RX
- 05.4307.RY.1V
- 05.4307.GY.1V
- 05.4307.ZY.1V

Mains Dimming

- 05.4307.OW.NI
- 05.4307.OW.CN
- 05.4307.RY.NI
- 05.4307.GY.NI
- 05.4307.ZY.NI

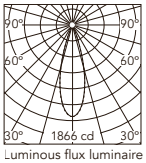
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

Non Dimming

- 05.4308.OW
- 05.4308.OW.78
- 05.4308.RY
- 05.4308.GY
- 05.4308.ZY

DALI 2

- 05.4308.OW.DA
- 05.4308.OW.YU
- 05.4308.RY.DA
- 05.4308.GY.DA
- 05.4308.ZY.DA

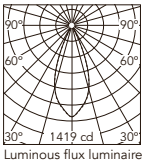
1-10V

- 05.4308.OW.1V
- 05.4308.OW.RX
- 05.4308.RY.1V
- 05.4308.GY.1V
- 05.4308.ZY.1V

Mains Dimming

- 05.4308.OW.NI
- 05.4308.OW.CN
- 05.4308.RY.NI
- 05.4308.GY.NI
- 05.4308.ZY.NI

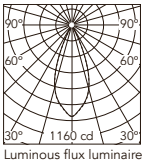
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD



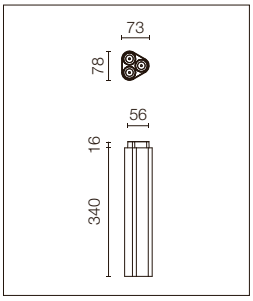
Luminous flux luminaire
496 lm 700 mA

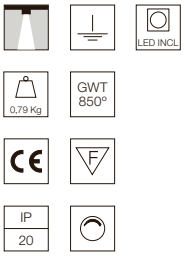
Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

Emi Ceiling Small H340

Light Source: Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

Optic Spot
2700K

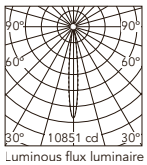
Non Dimming
- 05.4310.OW
- 05.4310.OW.78
- 05.4310.RY
- 05.4310.GY
- 05.4310.ZY

DALI 2
- 05.4310.OW.DA
- 05.4310.OW.YU
- 05.4310.RY.DA
- 05.4310.GY.DA
- 05.4310.ZY.DA

1-10V
- 05.4310.OW.1V
- 05.4310.OW.RX
- 05.4310.RY.1V
- 05.4310.GY.1V
- 05.4310.ZY.1V

Mains Dimming
- 05.4310.OW.NI
- 05.4310.OW.CN
- 05.4310.RY.NI
- 05.4310.GY.NI
- 05.4310.ZY.NI

11° SPOT

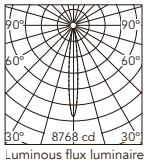


Luminous flux luminaire
628 lm 900 mA

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	10851	0.20
2	2713	0.39
3	1206	0.59
4	678	0.78
5	434	0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	8768	0.20
2	2192	0.39
3	974	0.59
4	548	0.78
5	351	0.98

Optic Medium
2700K

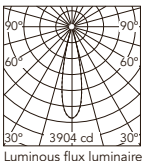
Non Dimming
- 05.4311.OW
- 05.4311.OW.78
- 05.4311.RY
- 05.4311.GY
- 05.4311.ZY

DALI 2
- 05.4311.OW.DA
- 05.4311.OW.YU
- 05.4311.RY.DA
- 05.4311.GY.DA
- 05.4311.ZY.DA

1-10V
- 05.4311.OW.1V
- 05.4311.OW.RX
- 05.4311.RY.1V
- 05.4311.GY.1V
- 05.4311.ZY.1V

Mains Dimming
- 05.4311.OW.NI
- 05.4311.OW.CN
- 05.4311.RY.NI
- 05.4311.GY.NI
- 05.4311.ZY.NI

23° MEDIUM

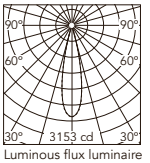


Luminous flux luminaire
611 lm 900 mA

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	3904	0.40
2	976	0.81
3	434	1.21
4	244	1.62
5	156	2.02

23° MEDIUM



Luminous flux luminaire
493 lm **700 mA**

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	3153	0.40
2	788	0.81
3	350	1.21
4	197	1.62
5	126	2.02

3000K

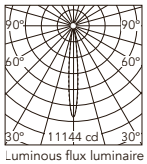
Non Dimming
- 05.4315.OW
- 05.4315.OW.78
- 05.4315.RY
- 05.4315.GY
- 05.4315.ZY

DALI 2
- 05.4315.OW.DA
- 05.4315.OW.YU
- 05.4315.RY.DA
- 05.4315.GY.DA
- 05.4315.ZY.DA

1-10V
- 05.4315.OW.1V
- 05.4315.OW.RX
- 05.4315.RY.1V
- 05.4315.GY.1V
- 05.4315.ZY.1V

Mains Dimming
- 05.4315.OW.NI
- 05.4315.OW.CN
- 05.4315.RY.NI
- 05.4315.GY.NI
- 05.4315.ZY.NI

11° SPOT

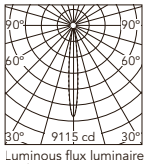


Luminous flux luminaire
645 lm 900 mA

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11144	0.20
2	2786	0.39
3	1238	0.59
4	697	0.78
5	446	0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	9115	0.20
2	2279	0.39
3	1013	0.59
4	570	0.78
5	365	0.98

3000K

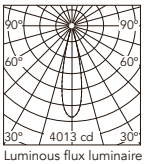
Non Dimming
- 05.4316.OW
- 05.4316.OW.78
- 05.4316.RY
- 05.4316.GY
- 05.4316.ZY

DALI 2
- 05.4316.OW.DA
- 05.4316.OW.YU
- 05.4316.RY.DA
- 05.4316.GY.DA
- 05.4316.ZY.DA

1-10V
- 05.4316.OW.1V
- 05.4316.OW.RX
- 05.4316.RY.1V
- 05.4316.GY.1V
- 05.4316.ZY.1V

Mains Dimming
- 05.4316.OW.NI
- 05.4316.OW.CN
- 05.4316.RY.NI
- 05.4316.GY.NI
- 05.4316.ZY.NI

23° MEDIUM

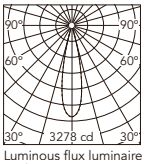


Luminous flux luminaire
628 lm 900 mA

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	4013	0.40
2	1003	0.81
3	446	1.21
4	251	1.62
5	161	2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	3278	0.40
2	820	0.81
3	364	1.21
4	205	1.62
5	131	2.02

NEW

Optic Flood
2700K

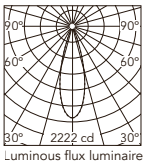
Non Dimming
- 05.4312.OW
- 05.4312.OW.78
- 05.4312.RY
- 05.4312.GY
- 05.4312.ZY

DALI 2
- 05.4312.OW.DA
- 05.4312.OW.YU
- 05.4312.RY.DA
- 05.4312.GY.DA
- 05.4312.ZY.DA

1-10V
- 05.4312.OW.1V
- 05.4312.OW.RX
- 05.4312.RY.1V
- 05.4312.GY.1V
- 05.4312.ZY.1V

Mains Dimming
- 05.4312.OW.NI
- 05.4312.OW.CN
- 05.4312.RY.NI
- 05.4312.GY.NI
- 05.4312.ZY.NI

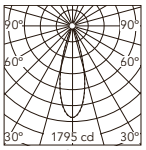
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

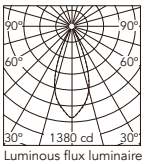
Non Dimming
- 05.4313.OW
- 05.4313.OW.78
- 05.4313.RY
- 05.4313.GY
- 05.4313.ZY

DALI 2
- 05.4313.OW.DA
- 05.4313.OW.YU
- 05.4313.RY.DA
- 05.4313.GY.DA
- 05.4313.ZY.DA

1-10V
- 05.4313.OW.1V
- 05.4313.OW.RX
- 05.4313.RY.1V
- 05.4313.GY.1V
- 05.4313.ZY.1V

Mains Dimming
- 05.4313.OW.NI
- 05.4313.OW.CN
- 05.4313.RY.NI
- 05.4313.GY.NI
- 05.4313.ZY.NI

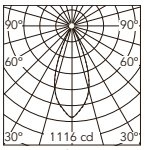
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

41° WIDE FLOOD



Luminous flux luminaire
477 lm 700 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1116 0.75
2	279 1.49
3	124 2.24
4	70 2.98
5	45 3.73

3000K

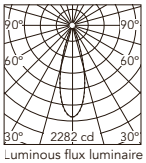
Non Dimming
- 05.4317.OW
- 05.4317.OW.78
- 05.4317.RY
- 05.4317.GY
- 05.4317.ZY

DALI 2
- 05.4317.OW.DA
- 05.4317.OW.YU
- 05.4317.RY.DA
- 05.4317.GY.DA
- 05.4317.ZY.DA

1-10V
- 05.4317.OW.1V
- 05.4317.OW.RX
- 05.4317.RY.1V
- 05.4317.GY.1V
- 05.4317.ZY.1V

Mains Dimming
- 05.4317.OW.NI
- 05.4317.OW.CN
- 05.4317.RY.NI
- 05.4317.GY.NI
- 05.4317.ZY.NI

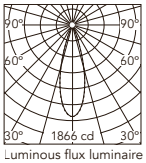
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

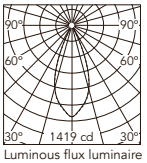
Non Dimming
- 05.4318.OW
- 05.4318.OW.78
- 05.4318.RY
- 05.4318.GY
- 05.4318.ZY

DALI 2
- 05.4318.OW.DA
- 05.4318.OW.YU
- 05.4318.RY.DA
- 05.4318.GY.DA
- 05.4318.ZY.DA

1-10V
- 05.4318.OW.1V
- 05.4318.OW.RX
- 05.4318.RY.1V
- 05.4318.GY.1V
- 05.4318.ZY.1V

Mains Dimming
- 05.4318.OW.NI
- 05.4318.OW.CN
- 05.4318.RY.NI
- 05.4318.GY.NI
- 05.4318.ZY.NI

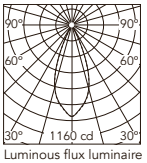
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD



Luminous flux luminaire
496 lm 700 mA

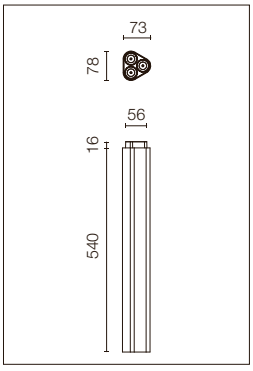
Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

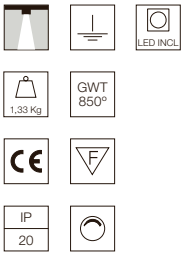
NEW

Emi Ceiling Small H540

Light Source: Power LED 900 mA - 11W - 751 lm - 2700K/CRI 90 / 772 lm - 3000K/CRI 90
Power LED Mains Dimming 700 mA - 8,5W - 607 lm - 2700K/CRI 90 / 631 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

Optic Spot
2700K

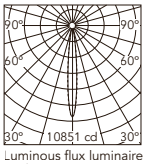
Non Dimming
- 05.4320.OW
- 05.4320.OW.78
- 05.4320.RY
- 05.4320.GY
- 05.4320.ZY

DALI 2
- 05.4320.OW.DA
- 05.4320.OW.YU
- 05.4320.RY.DA
- 05.4320.GY.DA
- 05.4320.ZY.DA

1-10V
- 05.4320.OW.1V
- 05.4320.OW.RX
- 05.4320.RY.1V
- 05.4320.GY.1V
- 05.4320.ZY.1V

Mains Dimming
- 05.4320.OW.NI
- 05.4320.OW.CN
- 05.4320.RY.NI
- 05.4320.GY.NI
- 05.4320.ZY.NI

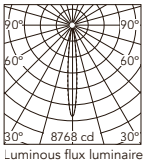
11° SPOT



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	10851	0.20
2	2713	0.39
3	1206	0.59
4	678	0.78
5	434	0.98

11° SPOT



Luminous flux luminaire
507 lm 700 mA

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	8768	0.20
2	2192	0.39
3	974	0.59
4	548	0.78
5	351	0.98

3000K

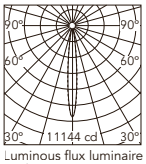
Non Dimming
- 05.4325.OW
- 05.4325.OW.78
- 05.4325.RY
- 05.4325.GY
- 05.4325.ZY

DALI 2
- 05.4325.OW.DA
- 05.4325.OW.YU
- 05.4325.RY.DA
- 05.4325.GY.DA
- 05.4325.ZY.DA

1-10V
- 05.4325.OW.1V
- 05.4325.OW.RX
- 05.4325.RY.1V
- 05.4325.GY.1V
- 05.4325.ZY.1V

Mains Dimming
- 05.4325.OW.NI
- 05.4325.OW.CN
- 05.4325.RY.NI
- 05.4325.GY.NI
- 05.4325.ZY.NI

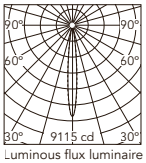
11° SPOT



Luminous flux luminaire
645 lm 900 mA

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	11144	0.20
2	2786	0.39
3	1238	0.59
4	697	0.78
5	446	0.98

11° SPOT



Luminous flux luminaire
528 lm 700 mA

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	9115	0.20
2	2279	0.39
3	1013	0.59
4	570	0.78
5	365	0.98

Optic Medium
2700K

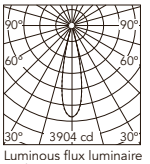
Non Dimming
- 05.4321.OW
- 05.4321.OW.78
- 05.4321.RY
- 05.4321.GY
- 05.4321.ZY

DALI 2
- 05.4321.OW.DA
- 05.4321.OW.YU
- 05.4321.RY.DA
- 05.4321.GY.DA
- 05.4321.ZY.DA

1-10V
- 05.4321.OW.1V
- 05.4321.OW.RX
- 05.4321.RY.1V
- 05.4321.GY.1V
- 05.4321.ZY.1V

Mains Dimming
- 05.4321.OW.NI
- 05.4321.OW.CN
- 05.4321.RY.NI
- 05.4321.GY.NI
- 05.4321.ZY.NI

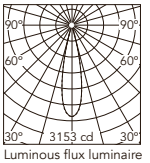
23° MEDIUM



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	3904	0.40
2	976	0.81
3	434	1.21
4	244	1.62
5	156	2.02

23° MEDIUM



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	3153	0.40
2	788	0.81
3	350	1.21
4	197	1.62
5	126	2.02

3000K

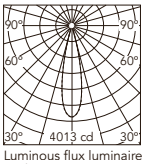
Non Dimming
- 05.4326.OW
- 05.4326.OW.78
- 05.4326.RY
- 05.4326.GY
- 05.4326.ZY

DALI 2
- 05.4326.OW.DA
- 05.4326.OW.YU
- 05.4326.RY.DA
- 05.4326.GY.DA
- 05.4326.ZY.DA

1-10V
- 05.4326.OW.1V
- 05.4326.OW.RX
- 05.4326.RY.1V
- 05.4326.GY.1V
- 05.4326.ZY.1V

Mains Dimming
- 05.4326.OW.NI
- 05.4326.OW.CN
- 05.4326.RY.NI
- 05.4326.GY.NI
- 05.4326.ZY.NI

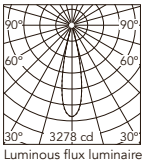
23° MEDIUM



Luminous flux luminaire
628 lm 900 mA

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	4013	0.40
2	1003	0.81
3	446	1.21
4	251	1.62
5	161	2.02

23° MEDIUM



Luminous flux luminaire
513 lm 700 mA

Beam Angle:	23°	
h(m)	E(lx)	D(m)
1	3278	0.40
2	820	0.81
3	364	1.21
4	205	1.62
5	131	2.02

NEW

Optic Flood
2700K

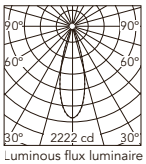
Non Dimming
- 05.4322.OW
- 05.4322.OW.78
- 05.4322.RY
- 05.4322.GY
- 05.4322.ZY

DALI 2
- 05.4322.OW.DA
- 05.4322.OW.YU
- 05.4322.RY.DA
- 05.4322.GY.DA
- 05.4322.ZY.DA

1-10V
- 05.4322.OW.1V
- 05.4322.OW.RX
- 05.4322.RY.1V
- 05.4322.GY.1V
- 05.4322.ZY.1V

Mains Dimming
- 05.4322.OW.NI
- 05.4322.OW.CN
- 05.4322.RY.NI
- 05.4322.GY.NI
- 05.4322.ZY.NI

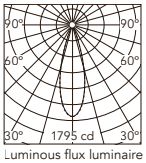
30° FLOOD



Luminous flux luminaire
595 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2223 0.54
2	556 1.07
3	247 1.61
4	139 2.14
5	89 2.68

30° FLOOD



Luminous flux luminaire
481 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1796 0.54
2	449 1.07
3	200 1.61
4	112 2.14
5	72 2.68

Optic Wide Flood
2700K

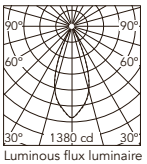
Non Dimming
- 05.4323.OW
- 05.4323.OW.78
- 05.4323.RY
- 05.4323.GY
- 05.4323.ZY

DALI 2
- 05.4323.OW.DA
- 05.4323.OW.YU
- 05.4323.RY.DA
- 05.4323.GY.DA
- 05.4323.ZY.DA

1-10V
- 05.4323.OW.1V
- 05.4323.OW.RX
- 05.4323.RY.1V
- 05.4323.GY.1V
- 05.4323.ZY.1V

Mains Dimming
- 05.4323.OW.NI
- 05.4323.OW.CN
- 05.4323.RY.NI
- 05.4323.GY.NI
- 05.4323.ZY.NI

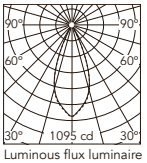
41° WIDE FLOOD



Luminous flux luminaire
590 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1380 0.75
2	345 1.49
3	153 2.24
4	86 2.98
5	55 3.73

42° WIDE FLOOD



Luminous flux luminaire
493 lm 700 mA

Beam Angle:	42°
h(m)	E(lx) D(m)
1	1095 0.76
2	274 1.52
3	122 2.28
4	68 3.04
5	44 3.80

3000K

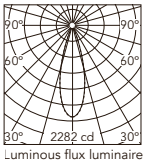
Non Dimming
- 05.4327.OW
- 05.4327.OW.78
- 05.4327.RY
- 05.4327.GY
- 05.4327.ZY

DALI 2
- 05.4327.OW.DA
- 05.4327.OW.YU
- 05.4327.RY.DA
- 05.4327.GY.DA
- 05.4327.ZY.DA

1-10V
- 05.4327.OW.1V
- 05.4327.OW.RX
- 05.4327.RY.1V
- 05.4327.GY.1V
- 05.4327.ZY.1V

Mains Dimming
- 05.4327.OW.NI
- 05.4327.OW.CN
- 05.4327.RY.NI
- 05.4327.GY.NI
- 05.4327.ZY.NI

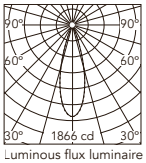
30° FLOOD



Luminous flux luminaire
611 lm 900 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	2282 0.54
2	571 1.07
3	254 1.61
4	143 2.14
5	91 2.68

30° FLOOD



Luminous flux luminaire
500 lm 700 mA

Beam Angle:	30°
h(m)	E(lx) D(m)
1	1867 0.54
2	467 1.07
3	207 1.61
4	117 2.14
5	75 2.68

3000K

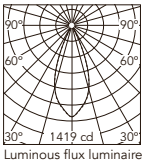
Non Dimming
- 05.4328.OW
- 05.4328.OW.78
- 05.4328.RY
- 05.4328.GY
- 05.4328.ZY

DALI 2
- 05.4328.OW.DA
- 05.4328.OW.YU
- 05.4328.RY.DA
- 05.4328.GY.DA
- 05.4328.ZY.DA

1-10V
- 05.4328.OW.1V
- 05.4328.OW.RX
- 05.4328.RY.1V
- 05.4328.GY.1V
- 05.4328.ZY.1V

Mains Dimming
- 05.4328.OW.NI
- 05.4328.OW.CN
- 05.4328.RY.NI
- 05.4328.GY.NI
- 05.4328.ZY.NI

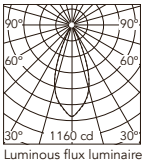
41° WIDE FLOOD



Luminous flux luminaire
607 lm 900 mA

Beam Angle:	41°
h(m)	E(lx) D(m)
1	1419 0.75
2	355 1.49
3	158 2.24
4	89 2.98
5	57 3.73

41° WIDE FLOOD



Luminous flux luminaire
496 lm 700 mA

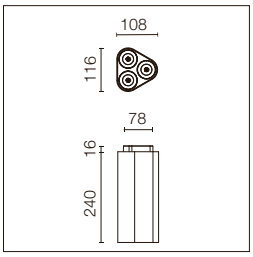
Beam Angle:	41°
h(m)	E(lx) D(m)
1	1160 0.75
2	290 1.49
3	129 2.24
4	72 2.98
5	46 3.73

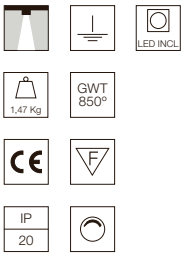
NEW

Emi Ceiling Large H240

Light Source: LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

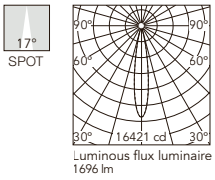
Optic Spot
2700K

Non Dimming
- 05.4330.OW
- 05.4330.OW.78
- 05.4330.RY
- 05.4330.GY
- 05.4330.ZY

DALI 2
- 05.4330.OW.DA
- 05.4330.OW.YU
- 05.4330.RY.DA
- 05.4330.GY.DA
- 05.4330.ZY.DA

1-10V
- 05.4330.OW.1V
- 05.4330.OW.RX
- 05.4330.RY.1V
- 05.4330.GY.1V
- 05.4330.ZY.1V

Mains Dimming
- 05.4330.OW.NI
- 05.4330.OW.CN
- 05.4330.RY.NI
- 05.4330.GY.NI
- 05.4330.ZY.NI



Luminous flux luminaire
1696 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16421	0.30
2	4105	0.60
3	1825	0.91
4	1026	1.21
5	657	1.51

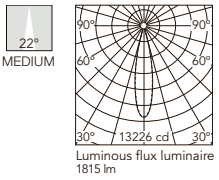
Optic Medium
2700K

Non Dimming
- 05.4331.OW
- 05.4331.OW.78
- 05.4331.RY
- 05.4331.GY
- 05.4331.ZY

DALI 2
- 05.4331.OW.DA
- 05.4331.OW.YU
- 05.4331.RY.DA
- 05.4331.GY.DA
- 05.4331.ZY.DA

1-10V
- 05.4331.OW.1V
- 05.4331.OW.RX
- 05.4331.RY.1V
- 05.4331.GY.1V
- 05.4331.ZY.1V

Mains Dimming
- 05.4331.OW.NI
- 05.4331.OW.CN
- 05.4331.RY.NI
- 05.4331.GY.NI
- 05.4331.ZY.NI



Luminous flux luminaire
1815 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13226	0.38
2	3307	0.76
3	1470	1.14
4	827	1.52
5	529	1.90

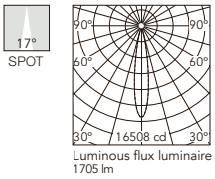
3000K

Non Dimming
- 05.4335.OW
- 05.4335.OW.78
- 05.4335.RY
- 05.4335.GY
- 05.4335.ZY

DALI 2
- 05.4335.OW.DA
- 05.4335.OW.YU
- 05.4335.RY.DA
- 05.4335.GY.DA
- 05.4335.ZY.DA

1-10V
- 05.4335.OW.1V
- 05.4335.OW.RX
- 05.4335.RY.1V
- 05.4335.GY.1V
- 05.4335.ZY.1V

Mains Dimming
- 05.4335.OW.NI
- 05.4335.OW.CN
- 05.4335.RY.NI
- 05.4335.GY.NI
- 05.4335.ZY.NI



Luminous flux luminaire
1705 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16508	0.30
2	4127	0.60
3	1834	0.91
4	1032	1.21
5	660	1.51

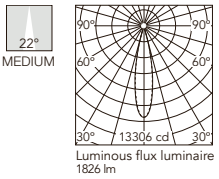
3000K

Non Dimming
- 05.4336.OW
- 05.4336.OW.78
- 05.4336.RY
- 05.4336.GY
- 05.4336.ZY

DALI 2
- 05.4336.OW.DA
- 05.4336.OW.YU
- 05.4336.RY.DA
- 05.4336.GY.DA
- 05.4336.ZY.DA

1-10V
- 05.4336.OW.1V
- 05.4336.OW.RX
- 05.4336.RY.1V
- 05.4336.GY.1V
- 05.4336.ZY.1V

Mains Dimming
- 05.4336.OW.NI
- 05.4336.OW.CN
- 05.4336.RY.NI
- 05.4336.GY.NI
- 05.4336.ZY.NI



Luminous flux luminaire
1826 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13306	0.38
2	3327	0.76
3	1478	1.14
4	832	1.52
5	532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4332.OW
- 05.4332.OW.78
- 05.4332.RY
- 05.4332.GY
- 05.4332.ZY

DALI 2

- 05.4332.OW.DA
- 05.4332.OW.YU
- 05.4332.RY.DA
- 05.4332.GY.DA
- 05.4332.ZY.DA

1-10V

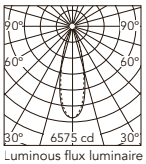
- 05.4332.OW.1V
- 05.4332.OW.RX
- 05.4332.RY.1V
- 05.4332.GY.1V
- 05.4332.ZY.1V

Mains Dimming

- 05.4332.OW.NI
- 05.4332.OW.CN
- 05.4332.RY.NI
- 05.4332.GY.NI
- 05.4332.ZY.NI



FLOOD



Luminous flux luminaire
1801 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	6575 0.54
2	1644 1.08
3	731 1.62
4	411 2.16
5	263 2.70

3000K

Non Dimming

- 05.4337.OW
- 05.4337.OW.78
- 05.4337.RY
- 05.4337.GY
- 05.4337.ZY

DALI 2

- 05.4337.OW.DA
- 05.4337.OW.YU
- 05.4337.RY.DA
- 05.4337.GY.DA
- 05.4337.ZY.DA

1-10V

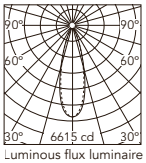
- 05.4337.OW.1V
- 05.4337.OW.RX
- 05.4337.RY.1V
- 05.4337.GY.1V
- 05.4337.ZY.1V

Mains Dimming

- 05.4337.OW.NI
- 05.4337.OW.CN
- 05.4337.RY.NI
- 05.4337.GY.NI
- 05.4337.ZY.NI



FLOOD



Luminous flux luminaire
1812 lm

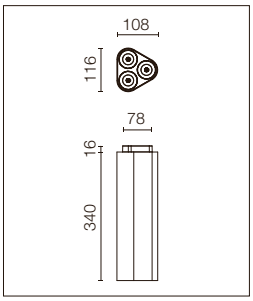
Beam Angle:	30°
h(m)	E(lx) D(m)
1	6615 0.54
2	1654 1.08
3	735 1.62
4	413 2.16
5	265 2.70

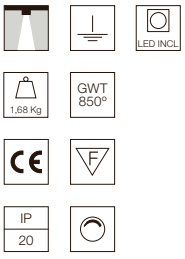
NEW

Emi Ceiling Large H340

Light Source: LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

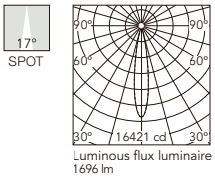
Optic Spot
2700K

Non Dimming
- 05.4340.OW
- 05.4340.OW.78
- 05.4340.RY
- 05.4340.GY
- 05.4340.ZY

DALI 2
- 05.4340.OW.DA
- 05.4340.OW.YU
- 05.4340.RY.DA
- 05.4340.GY.DA
- 05.4340.ZY.DA

1-10V
- 05.4340.OW.1V
- 05.4340.OW.RX
- 05.4340.RY.1V
- 05.4340.GY.1V
- 05.4340.ZY.1V

Mains Dimming
- 05.4340.OW.NI
- 05.4340.OW.CN
- 05.4340.RY.NI
- 05.4340.GY.NI
- 05.4340.ZY.NI



Luminous flux luminaire
1696 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16421	0.30
2	4105	0.60
3	1825	0.91
4	1026	1.21
5	657	1.51

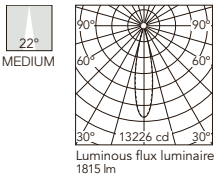
Optic Medium
2700K

Non Dimming
- 05.4341.OW
- 05.4341.OW.78
- 05.4341.RY
- 05.4341.GY
- 05.4341.ZY

DALI 2
- 05.4341.OW.DA
- 05.4341.OW.YU
- 05.4341.RY.DA
- 05.4341.GY.DA
- 05.4341.ZY.DA

1-10V
- 05.4341.OW.1V
- 05.4341.OW.RX
- 05.4341.RY.1V
- 05.4341.GY.1V
- 05.4341.ZY.1V

Mains Dimming
- 05.4341.OW.NI
- 05.4341.OW.CN
- 05.4341.RY.NI
- 05.4341.GY.NI
- 05.4341.ZY.NI



Luminous flux luminaire
1815 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13226	0.38
2	3307	0.76
3	1470	1.14
4	827	1.52
5	529	1.90

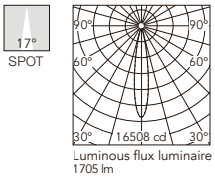
3000K

Non Dimming
- 05.4345.OW
- 05.4345.OW.78
- 05.4345.RY
- 05.4345.GY
- 05.4345.ZY

DALI 2
- 05.4345.OW.DA
- 05.4345.OW.YU
- 05.4345.RY.DA
- 05.4345.GY.DA
- 05.4345.ZY.DA

1-10V
- 05.4345.OW.1V
- 05.4345.OW.RX
- 05.4345.RY.1V
- 05.4345.GY.1V
- 05.4345.ZY.1V

Mains Dimming
- 05.4345.OW.NI
- 05.4345.OW.CN
- 05.4345.RY.NI
- 05.4345.GY.NI
- 05.4345.ZY.NI



Luminous flux luminaire
1705 lm

Beam Angle:	17°
h(m)	E(lx)	D(m)
1	16508	0.30
2	4127	0.60
3	1834	0.91
4	1032	1.21
5	660	1.51

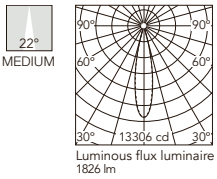
3000K

Non Dimming
- 05.4346.OW
- 05.4346.OW.78
- 05.4346.RY
- 05.4346.GY
- 05.4346.ZY

DALI 2
- 05.4346.OW.DA
- 05.4346.OW.YU
- 05.4346.RY.DA
- 05.4346.GY.DA
- 05.4346.ZY.DA

1-10V
- 05.4346.OW.1V
- 05.4346.OW.RX
- 05.4346.RY.1V
- 05.4346.GY.1V
- 05.4346.ZY.1V

Mains Dimming
- 05.4346.OW.NI
- 05.4346.OW.CN
- 05.4346.RY.NI
- 05.4346.GY.NI
- 05.4346.ZY.NI



Luminous flux luminaire
1826 lm

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	13306	0.38
2	3327	0.76
3	1478	1.14
4	832	1.52
5	532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4342.OW
- 05.4342.OW.78
- 05.4342.RY
- 05.4342.GY
- 05.4342.ZY

DALI 2

- 05.4342.OW.DA
- 05.4342.OW.YU
- 05.4342.RY.DA
- 05.4342.GY.DA
- 05.4342.ZY.DA

1-10V

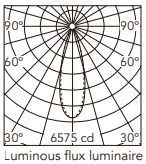
- 05.4342.OW.1V
- 05.4342.OW.RX
- 05.4342.RY.1V
- 05.4342.GY.1V
- 05.4342.ZY.1V

Mains Dimming

- 05.4342.OW.NI
- 05.4342.OW.CN
- 05.4342.RY.NI
- 05.4342.GY.NI
- 05.4342.ZY.NI



FLOOD



Luminous flux luminaire
1801 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6575	0.54
2	1644	1.08
3	731	1.62
4	411	2.16
5	263	2.70

3000K

Non Dimming

- 05.4347.OW
- 05.4347.OW.78
- 05.4347.RY
- 05.4347.GY
- 05.4347.ZY

DALI 2

- 05.4347.OW.DA
- 05.4347.OW.YU
- 05.4347.RY.DA
- 05.4347.GY.DA
- 05.4347.ZY.DA

1-10V

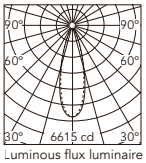
- 05.4347.OW.1V
- 05.4347.OW.RX
- 05.4347.RY.1V
- 05.4347.GY.1V
- 05.4347.ZY.1V

Mains Dimming

- 05.4347.OW.NI
- 05.4347.OW.CN
- 05.4347.RY.NI
- 05.4347.GY.NI
- 05.4347.ZY.NI



FLOOD



Luminous flux luminaire
1812 lm

Beam Angle: 30°

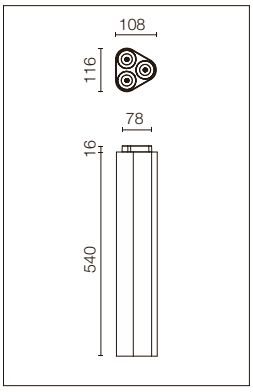
h(m)	E(lx)	D(m)
1	6615	0.54
2	1654	1.08
3	735	1.62
4	413	2.16
5	265	2.70

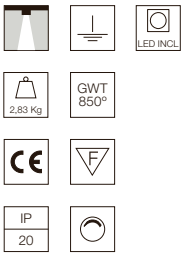
NEW

Emi Ceiling Large H540

Light Source: LED Array - 28W - 2289 lm - 2700K/CRI 90 / 2303 lm - 3000K/CRI 90







Anti-glare appliance for installation on surfaces. Built-in 220-240 V power supply. Spare parts for the optical module (lens) are available, please see the accessories. The various accessory lens options (depending on the beam angle) are interchangeable.

Luminaria de bajo deslumbramiento para instalación en superficie. Fuente de alimentación 220-240V integrada. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Las diferentes opciones de lentes accesorio (según beam angle) son intercambiables.

Optic Spot
2700K

Non Dimming

- 05.4350.OW
- 05.4350.OW.78
- 05.4350.RY
- 05.4350.GY
- 05.4350.ZY

DALI 2

- 05.4350.OW.DA
- 05.4350.OW.YU
- 05.4350.RY.DA
- 05.4350.GY.DA
- 05.4350.ZY.DA

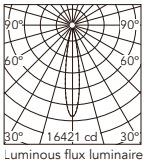
1-10V

- 05.4350.OW.1V
- 05.4350.OW.RX
- 05.4350.RY.1V
- 05.4350.GY.1V
- 05.4350.ZY.1V

Mains Dimming

- 05.4350.OW.NI
- 05.4350.OW.CN
- 05.4350.RY.NI
- 05.4350.GY.NI
- 05.4350.ZY.NI

17°
SPOT



Luminous flux luminaire
1696 lm

Beam Angle:	17°	
h(m)	E(lx)	D(m)
1	16421	0.30
2	4105	0.60
3	1825	0.91
4	1026	1.21
5	657	1.51

Optic Medium
2700K

Non Dimming

- 05.4351.OW
- 05.4351.OW.78
- 05.4351.RY
- 05.4351.GY
- 05.4351.ZY

DALI 2

- 05.4351.OW.DA
- 05.4351.OW.YU
- 05.4351.RY.DA
- 05.4351.GY.DA
- 05.4351.ZY.DA

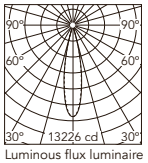
1-10V

- 05.4351.OW.1V
- 05.4351.OW.RX
- 05.4351.RY.1V
- 05.4351.GY.1V
- 05.4351.ZY.1V

Mains Dimming

- 05.4351.OW.NI
- 05.4351.OW.CN
- 05.4351.RY.NI
- 05.4351.GY.NI
- 05.4351.ZY.NI

22°
MEDIUM



Luminous flux luminaire
1815 lm

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	13226	0.38
2	3307	0.76
3	1470	1.14
4	827	1.52
5	529	1.90

3000K

Non Dimming

- 05.4355.OW
- 05.4355.OW.78
- 05.4355.RY
- 05.4355.GY
- 05.4355.ZY

DALI 2

- 05.4355.OW.DA
- 05.4355.OW.YU
- 05.4355.RY.DA
- 05.4355.GY.DA
- 05.4355.ZY.DA

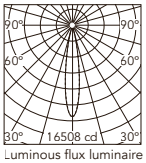
1-10V

- 05.4355.OW.1V
- 05.4355.OW.RX
- 05.4355.RY.1V
- 05.4355.GY.1V
- 05.4355.ZY.1V

Mains Dimming

- 05.4355.OW.NI
- 05.4355.OW.CN
- 05.4355.RY.NI
- 05.4355.GY.NI
- 05.4355.ZY.NI

17°
SPOT



Luminous flux luminaire
1705 lm

Beam Angle:	17°	
h(m)	E(lx)	D(m)
1	16508	0.30
2	4127	0.60
3	1834	0.91
4	1032	1.21
5	660	1.51

3000K

Non Dimming

- 05.4356.OW
- 05.4356.OW.78
- 05.4356.RY
- 05.4356.GY
- 05.4356.ZY

DALI 2

- 05.4356.OW.DA
- 05.4356.OW.YU
- 05.4356.RY.DA
- 05.4356.GY.DA
- 05.4356.ZY.DA

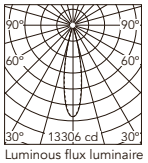
1-10V

- 05.4356.OW.1V
- 05.4356.OW.RX
- 05.4356.RY.1V
- 05.4356.GY.1V
- 05.4356.ZY.1V

Mains Dimming

- 05.4356.OW.NI
- 05.4356.OW.CN
- 05.4356.RY.NI
- 05.4356.GY.NI
- 05.4356.ZY.NI

22°
MEDIUM



Luminous flux luminaire
1826 lm

Beam Angle:	22°	
h(m)	E(lx)	D(m)
1	13306	0.38
2	3327	0.76
3	1478	1.14
4	832	1.52
5	532	1.90

NEW

Optic Flood
2700K

Non Dimming

- 05.4352.OW
- 05.4352.OW.78
- 05.4352.RY
- 05.4352.GY
- 05.4352.ZY

DALI 2

- 05.4352.OW.DA
- 05.4352.OW.YU
- 05.4352.RY.DA
- 05.4352.GY.DA
- 05.4352.ZY.DA

1-10V

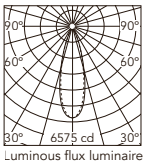
- 05.4352.OW.1V
- 05.4352.OW.RX
- 05.4352.RY.1V
- 05.4352.GY.1V
- 05.4352.ZY.1V

Mains Dimming

- 05.4352.OW.NI
- 05.4352.OW.CN
- 05.4352.RY.NI
- 05.4352.GY.NI
- 05.4352.ZY.NI



FLOOD



Luminous flux luminaire
1801 lm

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	6575	0.54
2	1644	1.08
3	731	1.62
4	411	2.16
5	263	2.70

3000K

Non Dimming

- 05.4357.OW
- 05.4357.OW.78
- 05.4357.RY
- 05.4357.GY
- 05.4357.ZY

DALI 2

- 05.4357.OW.DA
- 05.4357.OW.YU
- 05.4357.RY.DA
- 05.4357.GY.DA
- 05.4357.ZY.DA

1-10V

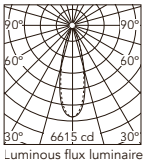
- 05.4357.OW.1V
- 05.4357.OW.RX
- 05.4357.RY.1V
- 05.4357.GY.1V
- 05.4357.ZY.1V

Mains Dimming

- 05.4357.OW.NI
- 05.4357.OW.CN
- 05.4357.RY.NI
- 05.4357.GY.NI
- 05.4357.ZY.NI



FLOOD



Luminous flux luminaire
1812 lm

Beam Angle: 30°

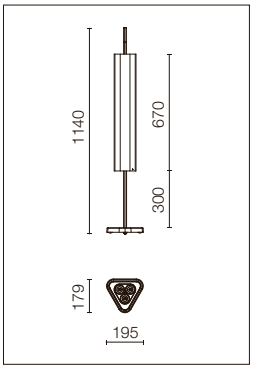
h(m)	E(lx)	D(m)
1	6615	0.54
2	1654	1.08
3	735	1.62
4	413	2.16
5	265	2.70

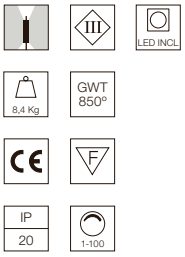
NEW

Emi Table

Light Source: Up: LED Array - 31W - 3087 lm - 2700K/CRI 90 / 3111 lm - 3000K/CRI 90
Down: Power LED - 12,5W - 1087 lm - 2700K/CRI 90 / 1161 lm - 3000K/CRI 90





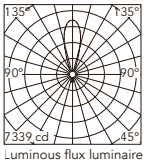


Anti-glare appliance for installation on tables and coffee tables. Built-in 100-240 V power supply, with cable and plug. Spare parts for the optical module (lens) are available, please see the accessories. Independent control of the *Up&Down* lighting through *Touch Dimming* capacitive sensors in the top part of the central rod.
The technological heart of Emi combines with an exquisitely crafted base made of cast iron. Imperfections present on the surface of the base are the result of a manual production process that makes each product unique.

Luminaria de bajo deslumbramiento para instalación de sobremesa, mesas bajas o auxiliares. Fuente de alimentación 100-240V integrada, con cable y enchufe. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Control independiente de la iluminación *Up&Down* mediante sensores capacitivos *Touch Dimming* ubicados en la parte superior del tallo central.
El corazón tecnológico de Emi se combina con una base exquisitamente elaborada en hierro fundido. Las imperfecciones presentes en la superficie de la base son el resultado de un proceso de producción manual que hace que cada producto sea único.

2700K
Touch Dimming
05.4380.OW
05.4380.OW.78
05.4380.RY
05.4380.GY
05.4380.ZY





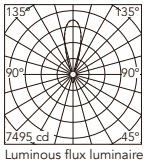
Luminous flux luminaire
2959 lm

Beam Angle: 32°32°

h(m)	E(lx)	D(m)
1	7339	0.56
2	1835	1.13
3	815	1.69
4	459	2.26
5	294	2.82

3000K
Touch Dimming
05.4381.OW
05.4381.OW.78
05.4381.RY
05.4381.GY
05.4381.ZY





Luminous flux luminaire
3022 lm

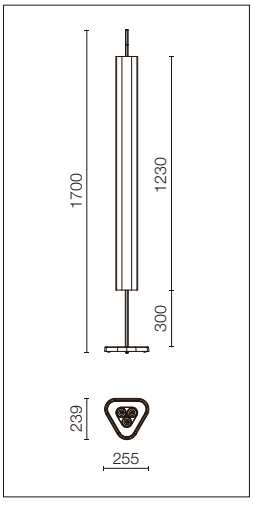
Beam Angle: 32°32°

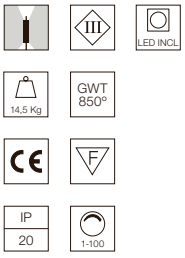
h(m)	E(lx)	D(m)
1	7495	0.56
2	1874	1.13
3	833	1.69
4	468	2.26
5	300	2.82

Emi Floor

Light Source: Up: LED Array - 37W - 3714 lm - 2700K/CRI 90 / 3741 lm - 3000K/CRI 90
Down: Power LED - 12,5W - 1087 lm - 2700K/CRI 90 / 1161 lm - 3000K/CRI 90





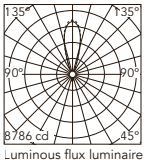


Anti-glare appliance for installation on the floor. Built-in 100-240 V power supply, with cable and plug. Spare parts for the optical module (lens) are available, please see the accessories. Independent control of the *Up&Down* lighting through *Touch Dimming* capacitive sensors in the top part of the central rod.
The technological heart of Emi combines with an exquisitely crafted base made of cast iron. Imperfections present on the surface of the base are the result of a manual production process that makes each product unique.

Luminaria de bajo deslumbramiento para instalación en suelo. Fuente de alimentación 100-240V integrada, con cable y enchufe. Recambios del módulo óptico (lentes) disponibles, consultar accesorios. Control independiente de la iluminación *Up&Down* mediante sensores capacitivos *Touch Dimming* ubicados en la parte superior del tallo central.
El corazón tecnológico de Emi se combina con una base exquisitamente elaborada en hierro fundido. Las imperfecciones presentes en la superficie de la base son el resultado de un proceso de producción manual que hace que cada producto sea único.

2700K
Touch Dimming
05.4385.OW
05.4385.OW.78
05.4385.RY
05.4385.GY
05.4385.ZY





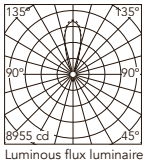
Luminous flux luminaire
3377 lm

Beam Angle: 32°31°

h(m)	E(lx)	D(m)
1	8786	0.56
2	2196	1.12
3	976	1.68
4	549	2.24
5	351	2.80

3000K
Touch Dimming
05.4386.OW
05.4386.OW.78
05.4386.RY
05.4386.GY
05.4386.ZY





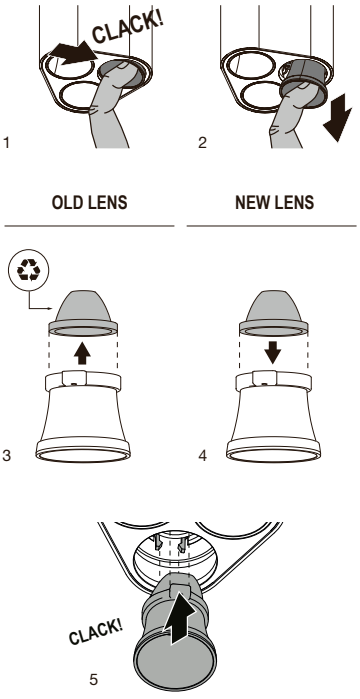
Luminous flux luminaire
3442 lm

Beam Angle: 32°31°

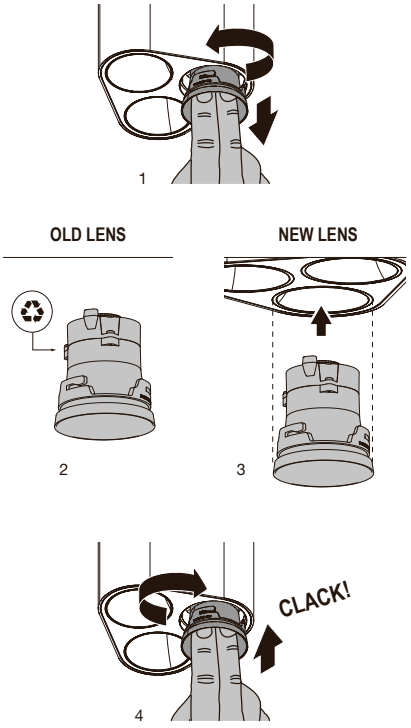
h(m)	E(lx)	D(m)
1	8955	0.56
2	2239	1.12
3	995	1.68
4	560	2.24
5	358	2.80

NEW

Emi Ceiling Small



Emi Ceiling Large, Emi Floor & Emi Table



Emi Ceiling Small

Lenses — Lentes



3x Opic Spot
08.0950.00
3x Opic Medium
08.0951.00
3x Opic Flood
08.0952.00
3x Opic Wide Flood
08.0953.00

Emi Ceiling Large

Lenses — Lentes



3x Opic Spot
■ 08.0954.14
□ 08.0954.40
3x Opic Medium
■ 08.0955.14
□ 08.0955.40
3x Opic Flood
■ 08.0956.14
□ 08.0956.40

Emi Table & Floor

Lenses — Lentes



3x Opic Flood
■ 08.0956.14
□ 08.0956.40

OBLIQUE

DESIGNED BY VINCENT VAN DUYSEN



LIGHT SOURCE
TOP LED
8W
750 lm
2700K/CRI 90
800 lm
3000K/CRI 90
850 lm
4000K/CRI 90

DY Matt White
DY Blanco Mate

AH Gloss Grey
AH Gris Brillo

DX Matt Rust
DX Óxido Mate

DW Matt Brown
DW Marrón Mate

DR Matt Anthracite
DR Antracita Mate

DV Gloss Salvia
DV Salvia Brillo



Description
Table lamp with direct light and support. Body in die-cast aluminium. Head in die-cast aluminium with integrated full cut-off asymmetric lens in injection moulded methacrylate. LED source completely hidden from view for the best visual comfort without diaphragms or anti-glare accessories that would limit the performance of the lamp. The special patented optics group exceeds regular lighting standards for application in work and study environments, producing lighting values on the work surface greater than 1000 lux with high glare protection and minimum flickering.
All lamp base versions are equipped with a USB-C connection to recharge compatible devices.
The Qi versions have an external polymer covering on the base that allows for supplementary charging of mobile devices via wireless.
Structure made of an extruded tubular aluminium alloy produced mechanically.
The ON/OFF-dimmer switch is integrated into the base and features a timer.

Power Supply
100-240 V - 50/60 Hz electronic transformer.

Additional Information
IP20 protection grade.
Insulation class III.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Lámpara de mesa con luz directa y soporte. Cuerpo de aluminio fundido. Cabezal de aluminio fundido con lente asimétrica full cut-off integrada en metacrilato estampado por inyección. Fuentes LED totalmente ocultos a la vista para el máximo confort visual sin necesidad de diafragmas ni accesorios antideslumbrantes que limitan las prestaciones del cuerpo de la lámpara. La unidad óptica especial patentada supera los estándares de iluminación habituales para aplicaciones en entornos de trabajo y estudio, proporcionando unos valores de iluminación de la superficie de trabajo superiores a 1000 lux con una alta protección contra el deslumbramiento y una reducción al mínimo del parpadeo.
La base de la lámpara está equipada en todas las versiones con una toma USB-C para recargar dispositivos compatibles.
Las versiones Qi presentan una cubierta externa polimérica de la base que permite la recarga adicional de dispositivos móviles de forma inalámbrica. Estructura realizada con un tubo de aleación de aluminio extruido trabajado mecánicamente.
El interruptor regulador (dimmer) y ON/OFF está integrado en la base y dispone de temporizador.

Unidades de Alimentación
Trasformador electrónico 100-240V - 50/60 Hz.

Información Adicional
Índice de protección IP20.
Clase de aislamiento III.

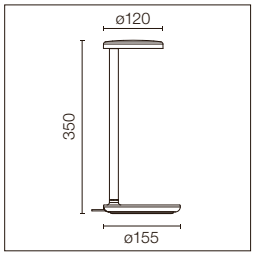
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

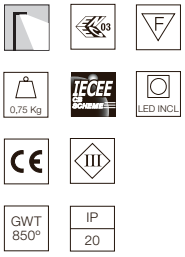
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Oblique

Light Source: Top LED 8W - 750 lm - 2700K/CRI 90 / 8W - 800 lm - 3000K/CRI 90 / 8W - 850 lm - 4000K/CRI 90



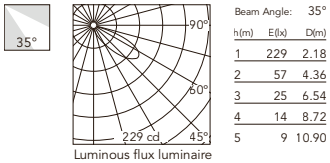




Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices.
Driver input: 24 V

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles.
Driver input: 24 V

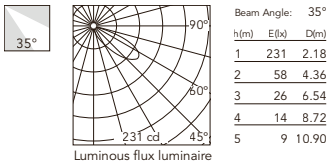
2700K
- 09.8300.DY
- 09.8300.AH
- 09.8300.DX
- 09.8300.DW
- 09.8300.DR
- 09.8300.DV



Luminous flux luminaire
479 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	229 2.18
2	57 4.36
3	25 6.54
4	14 8.72
5	9 10.90

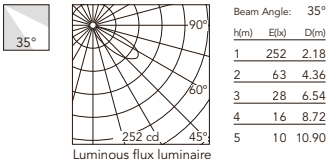
3000K
- 09.8301.DY
- 09.8301.AH
- 09.8301.DX
- 09.8301.DW
- 09.8301.DR
- 09.8301.DV



Luminous flux luminaire
482 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	231 2.18
2	58 4.36
3	26 6.54
4	14 8.72
5	9 10.90

4000K
- 09.8302.DY
- 09.8302.AH
- 09.8302.DX
- 09.8302.DW
- 09.8302.DR
- 09.8302.DV



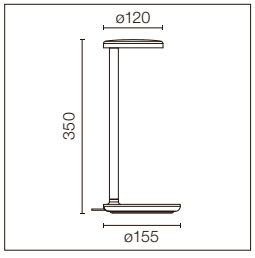
Luminous flux luminaire
525 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	252 2.18
2	63 4.36
3	28 6.54
4	16 8.72
5	10 10.90

Oblique Qi

Light Source: Top LED 8W - 750 lm - 2700K/CRI 90 / 8W - 800 lm - 3000K/CRI 90 / 8W - 850 lm - 4000K/CRI 90



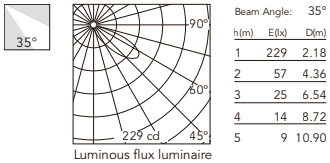




Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices. Base with Qi compatible wireless recharging system for mobile devices and wireless recharging cases for compatible devices.
Driver input: 12 V

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles. Base con sistema de carga inalámbrica compatible con Qi preparada para dispositivos móviles y cargadores inalámbricos para dispositivos compatibles.
Driver input: 12 V

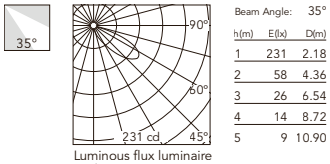
2700K
- 09.8310.DY
- 09.8310.AH
- 09.8310.DX
- 09.8310.DW
- 09.8310.DR
- 09.8310.DV



Luminous flux luminaire
479 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	229 2.18
2	57 4.36
3	25 6.54
4	14 8.72
5	9 10.90

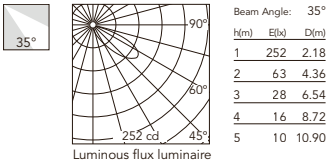
3000K
- 09.8311.DY
- 09.8311.AH
- 09.8311.DX
- 09.8311.DW
- 09.8311.DR
- 09.8311.DV



Luminous flux luminaire
482 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	231 2.18
2	58 4.36
3	26 6.54
4	14 8.72
5	9 10.90

4000K
- 09.8312.DY
- 09.8312.AH
- 09.8312.DX
- 09.8312.DW
- 09.8312.DR
- 09.8312.DV



Luminous flux luminaire
525 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	252 2.18
2	63 4.36
3	28 6.54
4	16 8.72
5	10 10.90

OBLIQUE FLOOR

DESIGNED BY VINCENT VAN DUYSEN



LIGHT SOURCE
TOP LED
8W
750 lm
2700K/CRI 90
800 lm
3000K/CRI 90
850 lm
4000K/CRI 90

DY Matte White
DY Blanco Mate

AH Gloss Grey
AH Gris Brillo

DX Matte Rust
DX Óxido Mate

DW Matte Brown
DW Marrón Mate

DR Matte Anthracite
DR Antracita Mate

DV Gloss Salvia
DV Salvia Brillo



Description
Floor lamp with asymmetrical direct lighting and floor stand. Haptic interaction for switching and dimming. Cast aluminum body. Cast aluminum head with integrated full cut-off asymmetric lens in injection molded methacrylate. Structure made of a mechanically worked extruded aluminum alloy tube. Completely invisible LED sources for maximum visual comfort without the need for diaphragms or anti-glare accessories that limit the performance of the luminaire. The patented special optical unit exceeds the usual lighting standards for applications in residential, work and study environments with high glare protection and outstanding light quality.

Power Supply
100-240 V - 50/60 Hz electronic transformer.

Additional Information
IP20 protection grade.
Insulation class III.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Lámpara de pie con iluminación directa asimétrica y soporte de suelo. Interacción háptica para encendido y regulación. Cuerpo de aluminio fundido. Cabezal de aluminio fundido con lente asimétrica full cut-off integrada en metacrilato estampado por inyección. Estructura realizada con un tubo de aleación de aluminio extruido trabajado mecánicamente. Fuentes LED totalmente ocultas a la vista para el máximo confort visual sin necesidad de diafragmas ni accesorios antideslumbrantes que limitan las prestaciones de la luminaria. La unidad óptica especial patentada supera los estándares de iluminación habituales para aplicaciones en entornos residenciales, de trabajo y estudio, con una alta protección contra el deslumbramiento y una calidad lumínica extraordinaria.

Unidades de Alimentación
Trasformador electrónico 100-240V - 50/60 Hz.

Información Adicional
Índice de protección IP20.
Clase de aislamiento III.

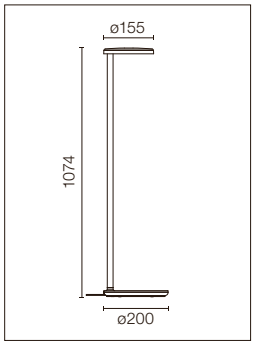
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

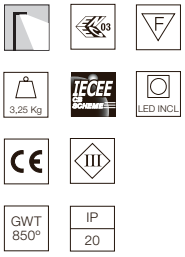
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Oblique Floor

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90





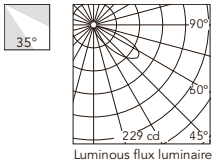


Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.
Driver input: 24 V

Lámpara de pie que, gracias a su innovadora lente patentada, ofrece una distribución lumínica asimétrica a la par que un confort visual excelente. Su forma, altura y dimensiones están en concordancia con la funcionalidad del producto, que entrega una excelente iluminación de lectura o acompañamiento al tiempo que mantiene la fuente de luz oculta al acceso visual del usuario.
Driver input: 24 V

2700K

- 09.8220.DY
- 09.8220.AH
- 09.8220.DX
- 09.8220.DW
- 09.8220.DR
- 09.8220.DV

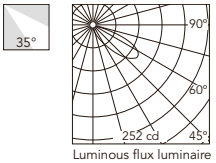


Luminous flux luminaire
479 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 229	2.18
2 57	4.36
3 25	6.54
4 14	8.72
5 9	10.90

4000K

- 09.8222.DY
- 09.8222.AH
- 09.8222.DX
- 09.8222.DW
- 09.8222.DR
- 09.8222.DV

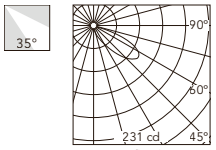


Luminous flux luminaire
525 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 252	2.18
2 63	4.36
3 28	6.54
4 16	8.72
5 10	10.90

3000K

- 09.8221.DY
- 09.8221.AH
- 09.8221.DX
- 09.8221.DW
- 09.8221.DR
- 09.8221.DV



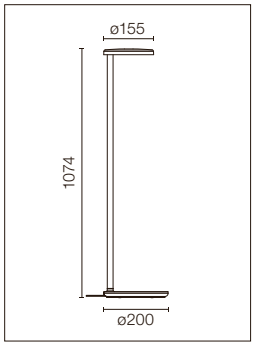
Luminous flux luminaire
482 lm

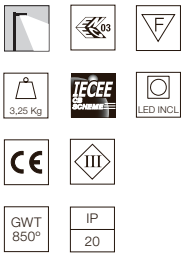
Beam Angle:	35°
h(m) E(lx)	D(m)
1 231	2.18
2 58	4.36
3 26	6.54
4 14	8.72
5 9	10.90

Oblique Floor USB-C

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90





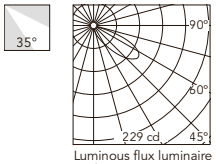


Floor lamp that, thanks to its innovative patented lens, offers asymmetrical light distribution and excellent visual comfort. Its shape, height and dimensions are consistent with the functionality of the product, which provides excellent reading or companion lighting while keeping the light source invisible to the user.
Model with USB-C mobile charging in its base.
Driver input: 24 V

Lámpara de pie que, gracias a su innovadora lente patentada, ofrece una distribución lumínica asimétrica a la par que un confort visual excelente. Su forma, altura y dimensiones están en concordancia con la funcionalidad del producto, que entrega una excelente iluminación de lectura o acompañamiento al tiempo que mantiene la fuente de luz oculta al acceso visual del usuario.
Modelo con carga para móviles USB-C en su base.
Driver input: 24 V

2700K

- 09.8230.DY
- 09.8230.AH
- 09.8230.DX
- 09.8230.DW
- 09.8230.DR
- 09.8230.DV

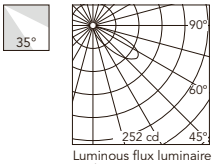


Luminous flux luminaire
479 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 229	2.18
2 57	4.36
3 25	6.54
4 14	8.72
5 9	10.90

4000K

- 09.8232.DY
- 09.8232.AH
- 09.8232.DX
- 09.8232.DW
- 09.8232.DR
- 09.8232.DV

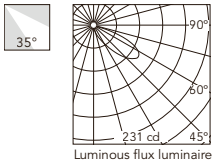


Luminous flux luminaire
525 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 252	2.18
2 63	4.36
3 28	6.54
4 16	8.72
5 10	10.90

3000K

- 09.8231.DY
- 09.8231.AH
- 09.8231.DX
- 09.8231.DW
- 09.8231.DR
- 09.8231.DV



Luminous flux luminaire
482 lm

Beam Angle:	35°
h(m) E(lx)	D(m)
1 231	2.18
2 58	4.36
3 26	6.54
4 14	8.72
5 9	10.90

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play



Description
Workmates is Flos' luminaire ecosystem for new contemporary and multidisciplinary work spaces. From traditional offices through to *home offices*, from private offices to collaborative work spaces. With its ultraslim profile of only 15 mm, it defines a collection of products that have been designed to provide a versatile response to any lighting need or installation requirement. A lighting concept that places personal well-being at the very core of its technical development and adds careful attention to the aesthetics and details that emanate from the differential identity of the Flos design.
Workmates comes in 4 installation options (ceiling surface, suspension, floor and track), in order to adapt to the installation requirements of any space. All of these come in 3 finishes: *All White, White* and *Black*. In addition, an attractive *Anodized Silver* finish is available in all except the floor option.

Optical System
All of the luminaires in the Workmates ecosystem are offered with LED *High Efficiency* and *Full Spectrum* light sources. The former provides excellent performance in terms of Lm/W, while the *Full Spectrum* option provides optimal colour rendering with a quality that is unbeatably close to that of natural light across the entire spectrum.
The ceiling surface, track and suspension models offer two light distribution options in their *Down* emission: *Wide Flood* and *Oval*. *Wide Flood* distribution achieves perfect uniformity and intensity over the entire work surface (the top of the table or desk). The *Oval* option shapes the light to provide a longitudinal distribution which is suited to applications with long tables or spaces with an elongated layout, such as corridors, transit areas, etc.
Due to their displaced position with respect to the effective lighting plane, the floor-mounted models are designed with asymmetric light delivery in their *Down* emission.

In addition, the suspension and floor mounted versions have an *Up* emission with an *Extra Wide Flood* aperture to generate indirect diffuse light. This reduces users' visual fatigue as well as the jump in light levels between the work plane of the luminaire and the surrounding environment. *Up* emission is also available in *Tunable White* variable colour temperature, which allows the temperature of the indirect light to be adjusted to the circadian rhythm and, depending on the time of day, the generation of an HCL (*Human Centric Lighting*) lighting scheme.
Together with the *'extreme cut-off'* screen, in a glossy technical finish, all Worksmate lenses are designed by Flos to reduce glare and channel the gross flow of the LED optimally in order to achieve the best *Light Output Ratio* (L.O.R.).

Control Systems
Workmates is available with the following setting protocols *On/Off*, *On Board Dimming*, *1-10V, Dali* and *Casambi* (*see the protocols available for each model). The floor versions are also sold with a *Touch Dimming* controller through the built-in button panel.
The floor and pendant models also come in *Smart* versions equipped with motion detection sensors and brightness thresholds.

Additional Information
Workmates complies with the more restrictive requirements of the *EN 12464-1:2012* standard for workspace lighting. Therefore, they offer a UGR of less than 19 and maximum intensity value at an angle of 65° of less than 3000 cd/m^2.
The models with *High Efficiency* LEDs let you choose LEDs with a better 'binning' so you can have an even higher lm/W ratio (contact us for special orders).

Compatibility with the Track models:
- Workmates Track (*Small* & *Large*):
  · *On/Off* and *Casambi* settings compatible with Global, Ivela and Eutrac tracks.
  · *Dali 2* settings compatible with Unipro, Global and Stucchi tracks.

- Workmates In-Track (*Small* & *Large*):
  · *On/Off* settings compatible with Global, Stucchi and Eutrac tracks.
  · *Dali 2* settings compatible with Global and Stucchi tracks.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
Luminaire conforms to European Technical Standard EN60598-1 and secondary parts.

Descripción
Workmates es el ecosistema de luminarias de Flos para los nuevos espacios de trabajo contemporáneos y multidisciplinares. Desde oficinas clásicas hasta *home-office*, de despachos privados a áreas de trabajo colaborativo. Con su delgadísimo perfil de solo 15 mm, se define una colección de productos diseñados para responder con versatilidad a cualquier necesidad lumínica o requisito de instalación. Un concepto de iluminación que sitúa el bienestar de la persona en el centro de su desarrollo técnico y añade un esmerado cuidado de la estética y los detalles que emana de la identidad diferencial del diseño de Flos.
Workmates se deriva en 4 opciones de implementación (superficie de techo, suspensión, suelo y carril), para adaptarse a las necesidades de instalación de todos los espacios. En todas ellas se ofrecen 3 acabados: *All White, White* y *Black*. Además, en todas salvo en la opción de suelo, se añade la atractiva terminación *Anodized Silver*.

Sistema óptico
Todas las luminarias del ecosistema Workmates se ofrecen con fuentes de luz LED *High Efficiency* y *Full Spectrum*. Con la primera de ellas se obtiene un rendimiento excelente en términos de Lm/W, mientras que la opción *Full Spectrum* otorga una reproducción cromática óptima y de una calidad inmejorablemente cercana a la luz natural en todo su espectro.
Los modelos de superficie de techo, de carril y de suspensión ofrecen dos distribuciones lumínicas en su emisión *Down: Wide Flood* y *Oval*. La distribución *Wide Flood* consigue una uniformidad e intensidad perfecta en toda la superficie de trabajo (plano de la mesa o escritorio). La opción *Oval* modela la luz para entregar una distribución longitudinal adecuada para aplicaciones de mesas corridas o espacios de planta alargada como pasillos, zonas de tránsito, etc.
Los modelos de suelo, por su posición desplazada respecto al plano de iluminación efectivo, han sido diseñados con una entrega de la luz asimétrica en su emisión *Down*.

Además, las versiones de suspensión y de suelo disponen de emisión *Up* con apertura *Extra Wide Flood* para generar iluminación difusa indirecta. Se reduce así la fatiga visual de los usuarios y se atenúa el salto de nivel de luminosidad entre el plano de trabajo de la luminaria y el entorno. La emisión *Up* también está disponible en temperatura de color variable *Tunable White* que permite acomodar la temperatura de la luz indirecta al ritmo circadiano y, según la hora del día, generar un esquema de iluminación HCL (*Human Centric Lighting*).
Todas las lentes de Workmates han sido diseñadas por Flos para, junto a la pantalla *'extreme cut-off'* -en acabado técnico brillante-, reducir el deslumbramiento y encauzar el caudal bruto del LED de manera óptima para lograr el mejor *Light Output Ratio* (L.O.R.).

Sistemas de control
Workmates se ofrece con protocolos de regulación *On/Off*, *On Board Dimming*, *1-10V, Dali* y *Casambi* (*consulte los protocolos disponibles en cada modelo). Además, las versiones de suelo se comercializan también con control *Touch Dimming* -mediante botonera integrada-.
Los modelos de suelo y suspensión cuentan también con versiones *Smart* dotadas de sensores de detección de presencia y luminosidad.

Información Adicional
Workmates cumple con los requisitos más restrictivos de la normativa para iluminación de espacios de trabajo *EN 12464-1:2012*. Así, ofrece un UGR menor de 19 y un valor de intensidad máxima en un ángulo de 65° menor de 3000 cd/m^2.
Los modelos con LED *High Efficiency* ofrecen opcionalmente LEDs de 'binning' superior con los que obtener todavía mayor ratio de Lm/W (para realizar un pedido especial, consultar).

Compatibilidad de los modelos track:
- Workmates Track (*Small* & *Large*):
  · Regulación *On/Off* y *Casambi* compatible con carriles Global, Ivela y Eutrac.
  · Regulación *Dali 2* compatible con carriles Unipro, Global y Stucchi.

- Workmates In-Track (*Small* & *Large*):
  · Regulación *On/Off* compatible con carriles Global, Stucchi y Eutrac.
  · Regulación *Dali 2* compatible con carriles Global y Stucchi.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

WORKMATES SURFACE SMALL



LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
14W	14W
CRI 90	CRI 98
1817 lm / 3000K	1346 lm / 3000K
1831 lm / 3500K	1357 lm / 3500K
1858 lm / 4000K	1369 lm / 4000K

WORKMATES SURFACE LARGE



LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
28W	28W
CRI 90	CRI 98
3634 lm / 3000K	2691 lm / 3000K
3662 lm / 3500K	2714 lm / 3500K
3717 lm / 4000K	2737 lm / 4000K

WORKMATES SUSPENSION



WORKMATES SUSPENSION DOWN

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 28W	Up to 28W
DOWN/CRI 90	DOWN/CRI 98
4061 lm / 3000K	2976 lm / 3000K
4090 lm / 3500K	3005 lm / 3500K
4157 lm / 4000K	3034 lm / 4000K

WORKMATES SUSPENSION UP&DOWN

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 58,5W	Up to 58,5W
MAJORITY UP (70/30)	MAJORITY UP (70/30)
UP + DOWN/CRI 90	UP + DOWN/CRI 98
4316 + 1851 lm / 3000K	3809 + 1633 lm / 3000K
4413 + 1892 lm / 3500K	3911 + 1671 lm / 3500K
4531 + 1942 lm / 4000K	4022 + 1725 lm / 4000K
MAJORITY DOWN (40/60)	MAJORITY DOWN (40/60)
UP + DOWN/CRI 90	UP + DOWN/CRI 98
2588 + 3913 lm / 3000K	2122 + 3185 lm / 3000K
2621 + 3942 lm / 3500K	2238 + 3358 lm / 3500K
2733 + 4100 lm / 4000K	2081 + 3122 lm / 4000K

WORKMATES SUSPENSION UP&DOWN SMART

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
32,5W	32,5W
UP/CRI 90	UP/CRI 98
4281 lm / 3000K	4281 lm / 3000K
4339 lm / 3500K	4339 lm / 3500K
4397 lm / 4000K	4397 lm / 4000K
26W	26W
DOWN/CRI 90	DOWN/CRI 98
4061 lm / 3000K	2976 lm / 3000K
4090 lm / 3500K	3005 lm / 3500K
4157 lm / 4000K	3034 lm / 4000K

WORKMATES SUSPENSION UP&DOWN TUNABLE WHITE / TUNABLE WHITE SMART

LIGHT SOURCE	LIGHT SOURCE
TOP LED	TOP LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 23W	Up to 23W
UP/CRI 90	UP/CRI 90
3619 lm / 2700-5700K	3619 lm / 2700-5700K
26W	26W
DOWN/CRI 90	DOWN/CRI 98
4061 lm / 3000K	2976 lm / 3000K
4090 lm / 3500K	3005 lm / 3500K
4157 lm / 4000K	3034 lm / 4000K

WORKMATES

WORKMATES TRACK SMALL



LIGHT SOURCE	LIGHT SOURCE
POWER LED	POWER LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 15,5W	Up to 15,5W
CRI 90	CRI 98
1817 lm / 3000K	1346 lm / 3000K
1831 lm / 3500K	1357 lm / 3500K
1858 lm / 4000K	1369 lm / 4000K

WORKMATES TRACK LARGE



LIGHT SOURCE	LIGHT SOURCE
POWER LED	POWER LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 22W	Up to 22W
CRI 90	CRI 98
2726 lm / 3000K	2018 lm / 3000K
2758 lm / 3500K	2036 lm / 3500K
2786 lm / 4000K	2053 lm / 4000K

WORKMATES IN-TRACK SMALL



LIGHT SOURCE	LIGHT SOURCE
POWER LED	POWER LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 15,5W	Up to 15,5W
CRI 90	CRI 98
1817 lm / 3000K	1346 lm / 3000K
1831 lm / 3500K	1357 lm / 3500K
1858 lm / 4000K	1369 lm / 4000K

WORKMATES IN-TRACK LARGE



LIGHT SOURCE	LIGHT SOURCE
POWER LED	POWER LED
HIGH EFFICIENCY	FULL SPECTRUM
Up to 22W	Up to 22W
CRI 90	CRI 98
2726 lm / 3000K	2018 lm / 3000K
2758 lm / 3500K	2036 lm / 3500K
2786 lm / 4000K	2053 lm / 4000K

THE RUNNING MAGNET

WORKMATES SMALL



WORKMATES LARGE



* Refer to The Running Magnet chapter / Ver capítulo The Running Magnet

NEW

WORKMATES

DESIGNED BY FLOS ARCHITECTURAL

WORKMATES FLOOR SINGLE



COMING SOON
DOWN HIGH EFFICIENCY

COMING SOON
UP HIGH EFFICIENCY
CCT / TW

COMING SOON
DOWN FULL SPECTRUM

WORKMATES FLOOR DOUBLE



COMING SOON
DOWN HIGH EFFICIENCY

COMING SOON
UP HIGH EFFICIENCY
CCT / TW

COMING SOON
DOWN FULL SPECTRUM

NEW

Workmates suspension

All White | White | Black | Anodized Silver



Workmates Surface

All White | White | Black | Anodized Silver



Workmates Track

All White | White | Black | Anodized Silver



Workmates In-Track

All White | White | Black | Anodized Silver



Workmates Floor

All White | White | Black

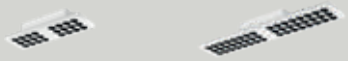


NEW

HOW TO ORDER

1 SELECT MOUNTING / MODEL

Ceiling Surface



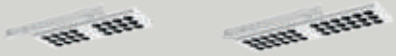
Small Large

Three Phase Track



Small Large

Three Phase In-Track



Small Large

The Running Magnet



Small Large

Suspension



Down / Up & Down

Floor



Single Double

2 SELECT LED SOURCE & OPTICS (DOWN LIGHT)

High-efficiency LED



3000 K / 3500 K / 4000 K

Optics

Ceiling Surface

WIDE FLOOD OVAL

All Tracks / Suspension

WIDE FLOOD OVAL HIGH COMFORT

Floor

ASYMM.

Full Spectrum LED



3000 K / 3500 K / 4000 K

Optics

Ceiling Surface

WIDE FLOOD OVAL

All Tracks / Suspension

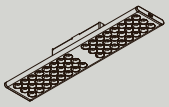
WIDE FLOOD OVAL HIGH COMFORT

Floor

ASYMM.

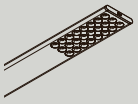
3 SELECT SPECIAL FEATURES

Ceiling Surface / All Tracks



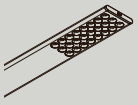
STANDARD

Suspension Down

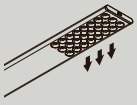


STANDARD

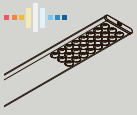
Suspension Up & Down



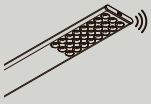
STANDARD



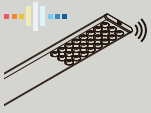
PRINCIPALLY DOWN LIGHT



TUNABLE WHITE

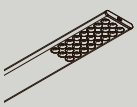


SMART

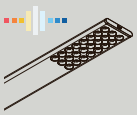


TUNABLE WHITE SMART

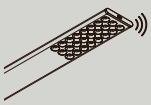
Floor



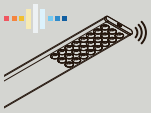
STANDARD



TUNABLE WHITE



SMART



TUNABLE WHITE SMART

HOW TO ORDER

NEW

4 SELECT DIM CONTROL

Ceiling Surface / Three Phase Track

NO DIM DALI CASAMBI

In-Track

NO DIM DALI

The Running Magnet

NO DIM DALI 1-10V CASAMBI

Suspension Down

NO DIM / DALI CASAMBI

Suspension Up & Down

STANDARD

NO DIM / DALI CASAMBI

TUNABLE WHITE

DALI CASAMBI

SMART & TUNABLE WHITE SMART

CASAMBI

Floor

STANDARD & TUNABLE WHITE

TOUCH DIM CASAMBI

SMART & TUNABLE WHITE SMART

CASAMBI

5 SELECT POWER SUPPLY

Ceiling Surface / Tracks
POWER SUPPLY INCLUDED

Suspension



Remote Power Supply Kit



Surface Power Supply Kit



Recessed Power Supply Kit

Floor
POWER SUPPLY INCLUDED

6 FINISHES

Ceiling Surface / All Tracks / Suspension



All White



White



Black



Anodized Silver

Floor



All White



White



Black

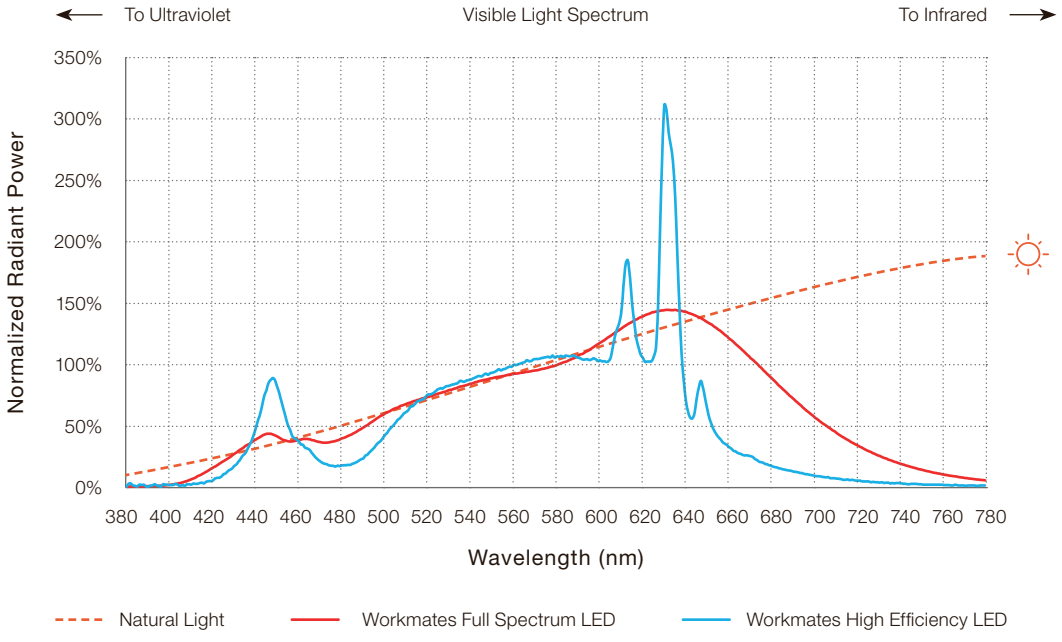
NLAS (Natural Light Average Secondment)

All the lights in the Workmates ecosystem are fitted with *High Efficiency* and *Full Spectrum* LED light sources. With the former, you get excellent performance in terms of lm/W, while with the *Full Spectrum* option, you get the perfect NLAS (Natural Light Average Secondment) index.

Natural light sets a very precise path within the visible light spectrum. The "*Full Spectrum*" LED option, available for Workmates, reflects the most accurate behaviour of artificial light compared with the performance of natural light. It therefore helps improve human well-being and respect the natural schemes of circadian lighting.

Todas las luminarias del ecosistema Workmates se ofrecen con fuentes de luz LED *High Efficiency* y *Full Spectrum*. Con la primera de ellas se obtiene un rendimiento excelente en términos de Lm/W. Con la opción *Full Spectrum* se consigue un índice *NLAS (Natural Light Average Secondment)* inmejorable.

Dentro del espectro visible de la radiación luminosa, la luz natural describe un recorrido muy concreto. La opción de LEDs "*Full Spectrum*", presente en Workmates, ofrece el comportamiento más fiel de una luz artificial, comparado con el rendimiento de la luz natural. De este modo, mejora el bienestar humano al respetar los esquemas naturales de iluminación circadiana.

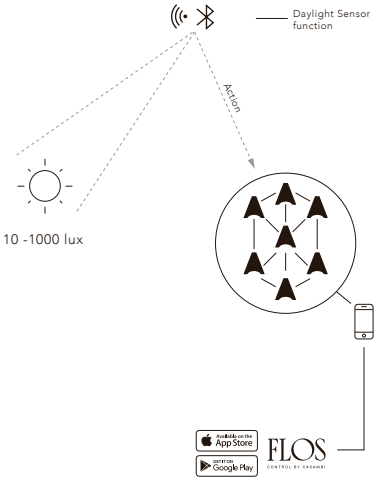


Smart Lighting

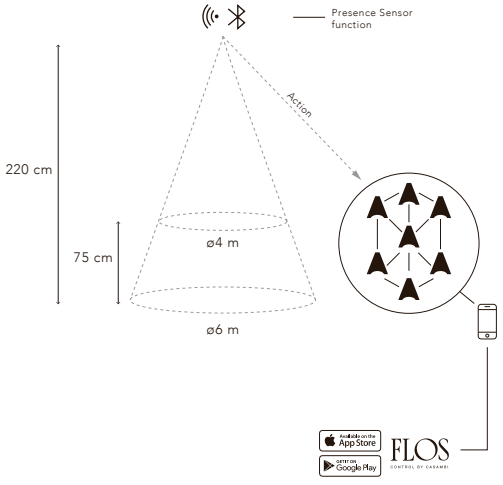
With its *Dali* and wireless *Casambi* control systems, Workmates has built-in or external sensors to activate the desired lighting scenarios for each situation. All of it triggered by presence or absence detection, or the desired brightness thresholds.

Con los sistemas de control *Dali* e inalámbrico *Casambi*, Workamtes cuenta con sensores integrados o externos para activar las escenas de iluminación deseadas para cada situación. Todo, a reacción de la detección de presencia, ausencia o de los umbrales de luminosidad deseados.

Daylight Sensor



Presence Sensor



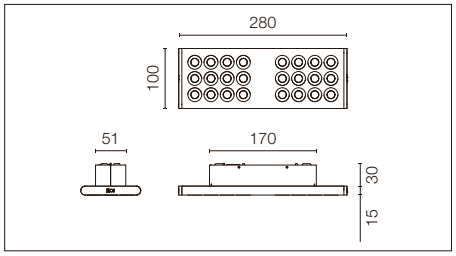
▲ Casambi object

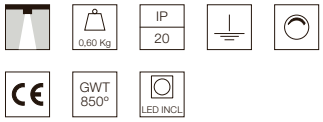


Workmates Surface Small

Light Source: Top LED High Efficiency 14W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90







Ceiling surface luminaire. High-efficiency light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de superficie de techo. Fuente de luz de alta eficiencia. Driver integrado. Versión *Casambi* disponible para el control inalámbrico. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

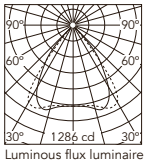
Optic Wide Flood - 3000K

Non Dimming
- 05.6200.40
- 05.6200.40.78
- 05.6200.14
- 05.6200.AP

Dali 2
- 05.6200.40.DA
- 05.6200.40.YU
- 05.6200.14.DA
- 05.6200.AP.DA

Casambi
- 05.6200.40.CB
- 05.6200.40.C6
- 05.6200.14.CB
- 05.6200.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1768 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	1143 1.55
2	286 3.10
3	127 4.66
4	71 6.21
5	46 7.76

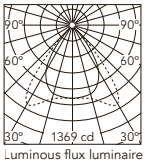
Optic Oval - 3000K

Non Dimming
- 05.6205.40
- 05.6205.40.78
- 05.6205.14
- 05.6205.AP

Dali 2
- 05.6205.40.DA
- 05.6205.40.YU
- 05.6205.14.DA
- 05.6205.AP.DA

Casambi
- 05.6205.40.CB
- 05.6205.40.C6
- 05.6205.14.CB
- 05.6205.AP.CB

72° OVAL



Luminous flux luminaire 1720 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	1099 1.45
2	274 2.89
3	122 4.34
4	68 5.78
5	44 7.23

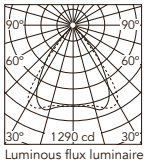
Optic Wide Flood - 3500K

Non Dimming
- 05.6201.40
- 05.6201.40.78
- 05.6201.14
- 05.6201.AP

Dali 2
- 05.6201.40.DA
- 05.6201.40.YU
- 05.6201.14.DA
- 05.6201.AP.DA

Casambi
- 05.6201.40.CB
- 05.6201.40.C6
- 05.6201.14.CB
- 05.6201.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1773 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	1146 1.55
2	286 3.10
3	127 4.66
4	72 6.21
5	46 7.76

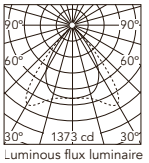
Optic Oval - 3500K

Non Dimming
- 05.6206.40
- 05.6206.40.78
- 05.6206.14
- 05.6206.AP

Dali 2
- 05.6206.40.DA
- 05.6206.40.YU
- 05.6206.14.DA
- 05.6206.AP.DA

Casambi
- 05.6206.40.CB
- 05.6206.40.C6
- 05.6206.14.CB
- 05.6206.AP.CB

72° OVAL



Luminous flux luminaire 1725 lm

Beam Angle:	72°
h(m)	E(lx) D(m)
1	1099 1.45
2	275 2.89
3	122 4.34
4	69 5.78
5	44 7.23

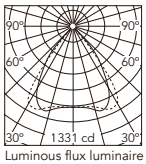
Optic Wide Flood - 4000K

Non Dimming
- 05.6202.40
- 05.6202.40.78
- 05.6202.14
- 05.6202.AP

Dali 2
- 05.6202.40.DA
- 05.6202.40.YU
- 05.6202.14.DA
- 05.6202.AP.DA

Casambi
- 05.6202.40.CB
- 05.6202.40.C6
- 05.6202.14.CB
- 05.6202.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1830 lm

Beam Angle:	76°
h(m)	E(lx) D(m)
1	1183 1.55
2	296 3.10
3	131 4.66
4	74 6.21
5	47 7.76

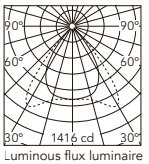
Optic Oval - 4000K

Non Dimming
- 05.6207.40
- 05.6207.40.78
- 05.6207.14
- 05.6207.AP

Dali 2
- 05.6207.40.DA
- 05.6207.40.YU
- 05.6207.14.DA
- 05.6207.AP.DA

Casambi
- 05.6207.40.CB
- 05.6207.40.C6
- 05.6207.14.CB
- 05.6207.AP.CB

72° OVAL



Luminous flux luminaire 1780 lm

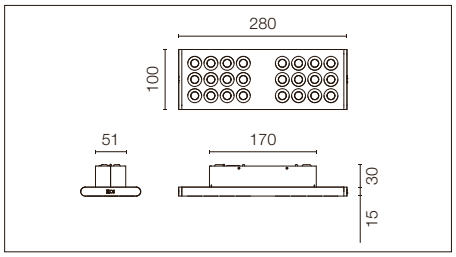
Beam Angle:	72°
h(m)	E(lx) D(m)
1	1134 1.45
2	283 2.89
3	126 4.34
4	71 5.78
5	45 7.23

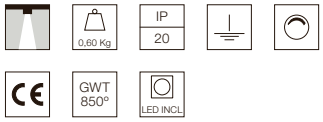
NEW

Workmates Surface Small

Light Source: Top LED Full Spectrum 14W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98







Ceiling surface luminaire. High-quality colour rendering *Full Spectrum* light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de superficie de techo. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. Driver integrado. Versión *Casambi* disponible para el control inalámbrico. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

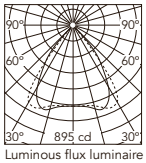
Optic Wide Flood - 3000K

Non Dimming
- 05.6210.40
- 05.6210.40.78
- 05.6210.14
- 05.6210.AP

Dali 2
- 05.6210.40.DA
- 05.6210.40.YU
- 05.6210.14.DA
- 05.6210.AP.DA

Casambi
- 05.6210.40.CB
- 05.6210.40.C6
- 05.6210.14.CB
- 05.6210.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1231 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

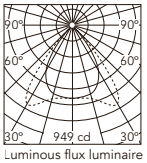
Optic Oval - 3000K

Non Dimming
- 05.6215.40
- 05.6215.40.78
- 05.6215.14
- 05.6215.AP

Dali 2
- 05.6215.40.DA
- 05.6215.40.YU
- 05.6215.14.DA
- 05.6215.AP.DA

Casambi
- 05.6215.40.CB
- 05.6215.40.C6
- 05.6215.14.CB
- 05.6215.AP.CB

72° OVAL



Luminous flux luminaire 1192 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	759	1.45
2	190	2.89
3	84	4.34
4	47	5.78
5	30	7.23

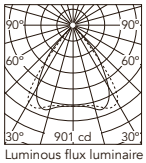
Optic Wide Flood - 3500K

Non Dimming
- 05.6211.40
- 05.6211.40.78
- 05.6211.14
- 05.6211.AP

Dali 2
- 05.6211.40.DA
- 05.6211.40.YU
- 05.6211.14.DA
- 05.6211.AP.DA

Casambi
- 05.6211.40.CB
- 05.6211.40.C6
- 05.6211.14.CB
- 05.6211.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1238 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

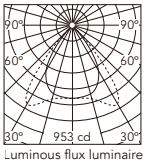
Optic Oval - 3500K

Non Dimming
- 05.6216.40
- 05.6216.40.78
- 05.6216.14
- 05.6216.AP

Dali 2
- 05.6216.40.DA
- 05.6216.40.YU
- 05.6216.14.DA
- 05.6216.AP.DA

Casambi
- 05.6216.40.CB
- 05.6216.40.C6
- 05.6216.14.CB
- 05.6216.AP.CB

72° OVAL



Luminous flux luminaire 1198 lm

Beam Angle:		72°
h(m)	E(lx)	D(m)
1	763	1.45
2	191	2.89
3	85	4.34
4	48	5.78
5	31	7.23

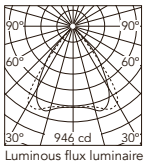
Optic Wide Flood - 4000K

Non Dimming
- 05.6212.40
- 05.6212.40.78
- 05.6212.14
- 05.6212.AP

Dali 2
- 05.6212.40.DA
- 05.6212.40.YU
- 05.6212.14.DA
- 05.6212.AP.DA

Casambi
- 05.6212.40.CB
- 05.6212.40.C6
- 05.6212.14.CB
- 05.6212.AP.CB

76° WIDE FLOOD



Luminous flux luminaire 1300 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

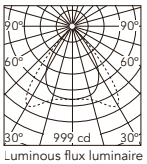
Optic Oval - 4000K

Non Dimming
- 05.6217.40
- 05.6217.40.78
- 05.6217.14
- 05.6217.AP

Dali 2
- 05.6217.40.DA
- 05.6217.40.YU
- 05.6217.14.DA
- 05.6217.AP.DA

Casambi
- 05.6217.40.CB
- 05.6217.40.C6
- 05.6217.14.CB
- 05.6217.AP.CB

72° OVAL



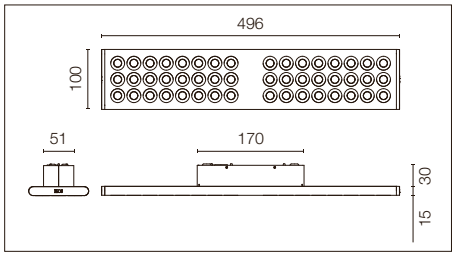
Luminous flux luminaire 1256 lm

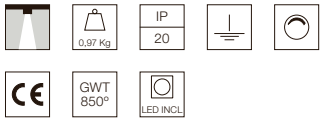
Beam Angle:		72°
h(m)	E(lx)	D(m)
1	800	1.45
2	200	2.89
3	89	4.34
4	50	5.78
5	32	7.23

Workmates Surface Large

Light Source: Top LED High Efficiency 28W - 3634 lm - 3000K/CRI 90 / 3662 lm - 3500K/CRI 90 / 3717 lm - 4000K/CRI 90







Ceiling surface luminaire. High-efficiency light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de superficie de techo. Fuente de luz de alta eficiencia. Driver integrado. Versión *Casambi* disponible para el control inalámbrico. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

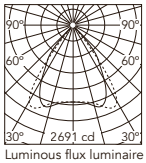
Optic Wide Flood - 3000K

Non Dimming
- 05.6220.40
- 05.6220.40.78
- 05.6220.14
- 05.6220.AP

Dali 2
- 05.6220.40.DA
- 05.6220.40.YU
- 05.6220.14.DA
- 05.6220.AP.DA

Casambi
- 05.6220.40.CB
- 05.6220.40.C6
- 05.6220.14.CB
- 05.6220.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3392 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2259	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

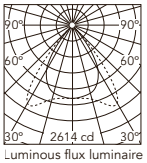
Optic Oval - 3000K

Non Dimming
- 05.6225.40
- 05.6225.40.78
- 05.6225.14
- 05.6225.AP

Dali 2
- 05.6225.40.DA
- 05.6225.40.YU
- 05.6225.14.DA
- 05.6225.AP.DA

Casambi
- 05.6225.40.CB
- 05.6225.40.C6
- 05.6225.14.CB
- 05.6225.AP.CB

71° OVAL



Luminous flux luminaire 3216 lm

Beam Angle: 71°

h(m)	E(lx)	D(m)
1	2105	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

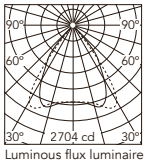
Optic Wide Flood - 3500K

Non Dimming
- 05.6221.40
- 05.6221.40.78
- 05.6221.14
- 05.6221.AP

Dali 2
- 05.6221.40.DA
- 05.6221.40.YU
- 05.6221.14.DA
- 05.6221.AP.DA

Casambi
- 05.6221.40.CB
- 05.6221.40.C6
- 05.6221.14.CB
- 05.6221.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3408 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2249	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

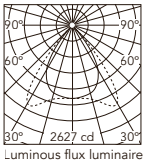
Optic Oval - 3500K

Non Dimming
- 05.6226.40
- 05.6226.40.78
- 05.6226.14
- 05.6226.AP

Dali 2
- 05.6226.40.DA
- 05.6226.40.YU
- 05.6226.14.DA
- 05.6226.AP.DA

Casambi
- 05.6226.40.CB
- 05.6226.40.C6
- 05.6226.14.CB
- 05.6226.AP.CB

71° OVAL



Luminous flux luminaire 3232 lm

Beam Angle: 71°

h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

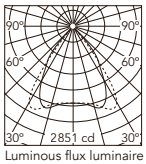
Optic Wide Flood - 4000K

Non Dimming
- 05.6222.40
- 05.6222.40.78
- 05.6222.14
- 05.6222.AP

Dali 2
- 05.6222.40.DA
- 05.6222.40.YU
- 05.6222.14.DA
- 05.6222.AP.DA

Casambi
- 05.6222.40.CB
- 05.6222.40.C6
- 05.6222.14.CB
- 05.6222.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 3594 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

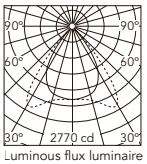
Optic Oval - 4000K

Non Dimming
- 05.6227.40
- 05.6227.40.78
- 05.6227.14
- 05.6227.AP

Dali 2
- 05.6227.40.DA
- 05.6227.40.YU
- 05.6227.14.DA
- 05.6227.AP.DA

Casambi
- 05.6227.40.CB
- 05.6227.40.C6
- 05.6227.14.CB
- 05.6227.AP.CB

71° OVAL



Luminous flux luminaire 3408 lm

Beam Angle: 71°

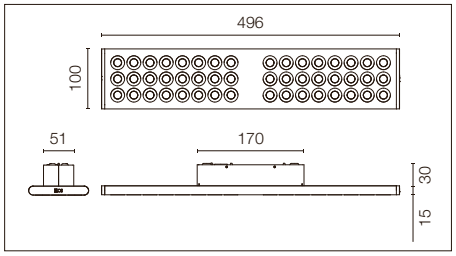
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

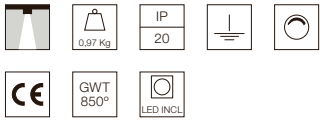
NEW

Workmates Surface Large

Light Source: Top LED Full Spectrum 28W - 2691 lm - 3000K/CRI 98 / 2714 lm - 3500K/CRI 98 / 2737 lm - 4000K/CRI 98







Ceiling surface luminaire. High-quality colour rendering *Full Spectrum* light source. Integrated driver. *Casambi* version available for wireless control. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de superficie de techo. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. Driver integrado. Versión *Casambi* disponible para el control inalámbrico. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

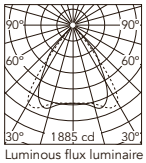
Optic Wide Flood - 3000K

Non Dimming
- 05.6230.40
- 05.6230.40.78
- 05.6230.14
- 05.6230.AP

Dali 2
- 05.6230.40.DA
- 05.6230.40.YU
- 05.6230.14.DA
- 05.6230.AP.DA

Casambi
- 05.6230.40.CB
- 05.6230.40.C6
- 05.6230.14.CB
- 05.6230.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2464 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

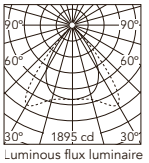
Optic Oval - 3000K

Non Dimming
- 05.6235.40
- 05.6235.40.78
- 05.6235.14
- 05.6235.AP

Dali 2
- 05.6235.40.DA
- 05.6235.40.YU
- 05.6235.14.DA
- 05.6235.AP.DA

Casambi
- 05.6235.40.CB
- 05.6235.40.C6
- 05.6235.14.CB
- 05.6235.AP.CB

71° OVAL



Luminous flux luminaire 2365 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

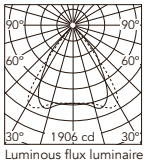
Optic Wide Flood - 3500K

Non Dimming
- 05.6231.40
- 05.6231.40.78
- 05.6231.14
- 05.6231.AP

Dali 2
- 05.6231.40.DA
- 05.6231.40.YU
- 05.6231.14.DA
- 05.6231.AP.DA

Casambi
- 05.6231.40.CB
- 05.6231.40.C6
- 05.6231.14.CB
- 05.6231.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2491 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

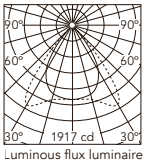
Optic Oval - 3500K

Non Dimming
- 05.6236.40
- 05.6236.40.78
- 05.6236.14
- 05.6236.AP

Dali 2
- 05.6236.40.DA
- 05.6236.40.YU
- 05.6236.14.DA
- 05.6236.AP.DA

Casambi
- 05.6236.40.CB
- 05.6236.40.C6
- 05.6236.14.CB
- 05.6236.AP.CB

71° OVAL



Luminous flux luminaire 2392 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

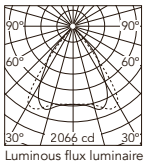
Optic Wide Flood - 4000K

Non Dimming
- 05.6232.40
- 05.6232.40.78
- 05.6232.14
- 05.6232.AP

Dali 2
- 05.6232.40.DA
- 05.6232.40.YU
- 05.6232.14.DA
- 05.6232.AP.DA

Casambi
- 05.6232.40.CB
- 05.6232.40.C6
- 05.6232.14.CB
- 05.6232.AP.CB

73° WIDE FLOOD



Luminous flux luminaire 2701 lm

Beam Angle:		73°
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

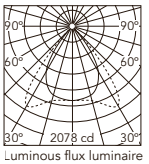
Optic Oval - 4000K

Non Dimming
- 05.6237.40
- 05.6237.40.78
- 05.6237.14
- 05.6237.AP

Dali 2
- 05.6237.40.DA
- 05.6237.40.YU
- 05.6237.14.DA
- 05.6237.AP.DA

Casambi
- 05.6237.40.CB
- 05.6237.40.C6
- 05.6237.14.CB
- 05.6237.AP.CB

71° OVAL



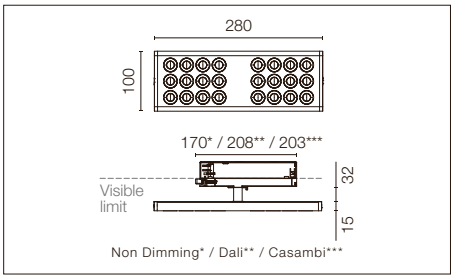
Luminous flux luminaire 2593 lm

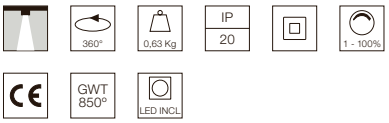
Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Workmates Track Small

Light Source: Power LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2 / Casambi: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90







Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

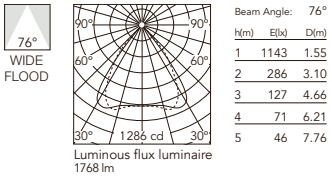
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim, Dali y *Casambi* (inalámbrico). Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6240.40
- 05.6240.40.78
- 05.6240.14
- 05.6240.AP

Dali 2
- 05.6240.40.DA
- 05.6240.40.YU
- 05.6240.14.DA
- 05.6240.AP.DA

Casambi
- 05.6240.40.CB
- 05.6240.40.C6
- 05.6240.14.CB
- 05.6240.AP.CB



Luminous flux luminaire
1768 lm

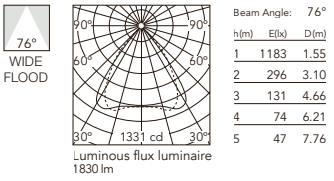
Beam Angle:	76°
h(m) E(lx)	D(m)
1 1143	1.55
2 286	3.10
3 127	4.66
4 71	6.21
5 46	7.76

Optic Wide Flood - 4000K

Non Dimming
- 05.6242.40
- 05.6242.40.78
- 05.6242.14
- 05.6242.AP

Dali 2
- 05.6242.40.DA
- 05.6242.40.YU
- 05.6242.14.DA
- 05.6242.AP.DA

Casambi
- 05.6242.40.CB
- 05.6242.40.C6
- 05.6242.14.CB
- 05.6242.AP.CB



Luminous flux luminaire
1830 lm

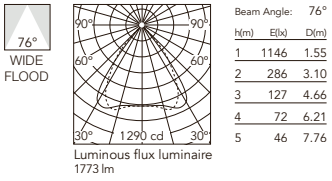
Beam Angle:	76°
h(m) E(lx)	D(m)
1 1183	1.55
2 296	3.10
3 131	4.66
4 74	6.21
5 47	7.76

Optic Wide Flood - 3500K

Non Dimming
- 05.6241.40
- 05.6241.40.78
- 05.6241.14
- 05.6241.AP

Dali 2
- 05.6241.40.DA
- 05.6241.40.YU
- 05.6241.14.DA
- 05.6241.AP.DA

Casambi
- 05.6241.40.CB
- 05.6241.40.C6
- 05.6241.14.CB
- 05.6241.AP.CB



Luminous flux luminaire
1773 lm

Beam Angle:	76°
h(m) E(lx)	D(m)
1 1146	1.55
2 286	3.10
3 127	4.66
4 72	6.21
5 46	7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6245.40
- 05.6245.40.78
- 05.6245.14
- 05.6245.AP

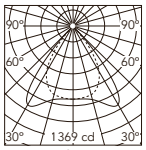
Dali 2

- 05.6245.40.DA
- 05.6245.40.YU
- 05.6245.14.DA
- 05.6245.AP.DA

Casambi

- 05.6245.40.CB
- 05.6245.40.C6
- 05.6245.14.CB
- 05.6245.AP.CB





Luminous flux luminaire
1720 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1096 1.67
2	274 3.34
3	122 5.00
4	68 6.67
5	44 8.34

Optic High Comfort - 3000K

Non Dimming

- 05.5740.40
- 05.5740.40.78
- 05.5740.14
- 05.5740.AP

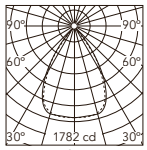
Dali 2

- 05.5740.40.DA
- 05.5740.40.YU
- 05.5740.14.DA
- 05.5740.AP.DA

Casambi

- 05.5740.40.CB
- 05.5740.40.C6
- 05.5740.14.CB
- 05.5740.AP.CB





Luminous flux luminaire
1850 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1780 1.31
2	445 2.61
3	198 3.92
4	111 5.23
5	71 6.54

Optic Oval - 3500K

Non Dimming

- 05.6246.40
- 05.6246.40.78
- 05.6246.14
- 05.6246.AP

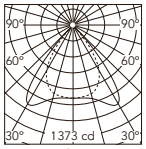
Dali 2

- 05.6246.40.DA
- 05.6246.40.YU
- 05.6246.14.DA
- 05.6246.AP.DA

Casambi

- 05.6246.40.CB
- 05.6246.40.C6
- 05.6246.14.CB
- 05.6246.AP.CB





Luminous flux luminaire
1725 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1099 1.67
2	275 3.34
3	122 5.00
4	69 6.67
5	44 8.34

Optic High Comfort - 3500K

Non Dimming

- 05.5741.40
- 05.5741.40.78
- 05.5741.14
- 05.5741.AP

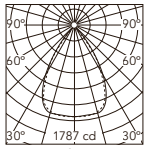
Dali 2

- 05.5741.40.DA
- 05.5741.40.YU
- 05.5741.14.DA
- 05.5741.AP.DA

Casambi

- 05.5741.40.CB
- 05.5741.40.C6
- 05.5741.14.CB
- 05.5741.AP.CB





Luminous flux luminaire
1855 lm

Beam Angle:	66°
h(m)	E(lx) D(m)
1	1785 1.31
2	446 2.61
3	198 3.92
4	112 5.23
5	71 6.54

Optic Oval - 4000K

Non Dimming

- 05.6247.40
- 05.6247.40.78
- 05.6247.14
- 05.6247.AP

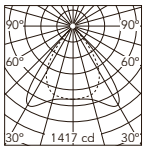
Dali 2

- 05.6247.40.DA
- 05.6247.40.YU
- 05.6247.14.DA
- 05.6247.AP.DA

Casambi

- 05.6247.40.CB
- 05.6247.40.C6
- 05.6247.14.CB
- 05.6247.AP.CB





Luminous flux luminaire
1780 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1134 1.67
2	283 3.34
3	126 5.00
4	71 6.67
5	45 8.34

Optic High Comfort - 4000K

Non Dimming

- 05.5742.40
- 05.5742.40.78
- 05.5742.14
- 05.5742.AP

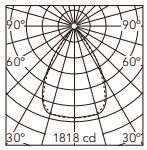
Dali 2

- 05.5742.40.DA
- 05.5742.40.YU
- 05.5742.14.DA
- 05.5742.AP.DA

Casambi

- 05.5742.40.CB
- 05.5742.40.C6
- 05.5742.14.CB
- 05.5742.AP.CB





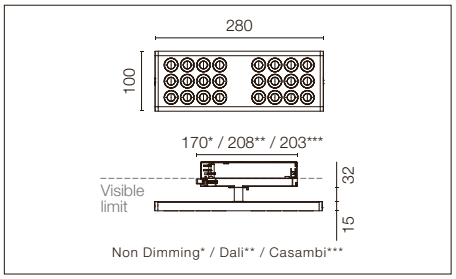
Luminous flux luminaire
1887 lm

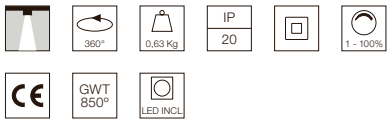
Beam Angle:	66°
h(m)	E(lx) D(m)
1	1815 1.31
2	454 2.61
3	202 3.92
4	113 5.23
5	73 6.54

Workmates Track Small

Light Source: Power LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2 / Casambi: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

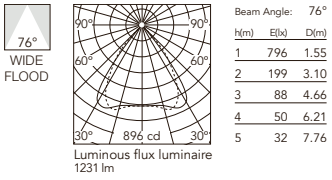
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim, Dali y *Casambi* (inalámbrico). Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Non Dimming
- 05.6250.40
- 05.6250.40.78
- 05.6250.14
- 05.6250.AP

Dali 2
- 05.6250.40.DA
- 05.6250.40.YU
- 05.6250.14.DA
- 05.6250.AP.DA

Casambi
- 05.6250.40.CB
- 05.6250.40.C6
- 05.6250.14.CB
- 05.6250.AP.CB



Luminous flux luminaire 1231 lm

Beam Angle: 76°

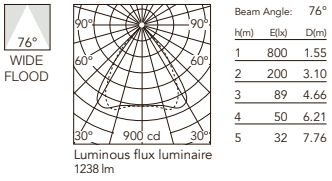
h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

Optic Wide Flood - 3500K

Non Dimming
- 05.6251.40
- 05.6251.40.78
- 05.6251.14
- 05.6251.AP

Dali 2
- 05.6251.40.DA
- 05.6251.40.YU
- 05.6251.14.DA
- 05.6251.AP.DA

Casambi
- 05.6251.40.CB
- 05.6251.40.C6
- 05.6251.14.CB
- 05.6251.AP.CB



Luminous flux luminaire 1238 lm

Beam Angle: 76°

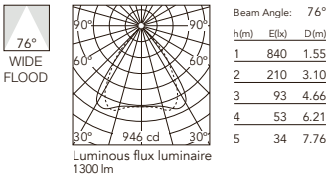
h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

Optic Wide Flood - 4000K

Non Dimming
- 05.6252.40
- 05.6252.40.78
- 05.6252.14
- 05.6252.AP

Dali 2
- 05.6252.40.DA
- 05.6252.40.YU
- 05.6252.14.DA
- 05.6252.AP.DA

Casambi
- 05.6252.40.CB
- 05.6252.40.C6
- 05.6252.14.CB
- 05.6252.AP.CB



Luminous flux luminaire 1300 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

NEW

Optic Oval - 3000K

Non Dimming

- 05.6255.40
- 05.6255.40.78
- 05.6255.14
- 05.6255.AP

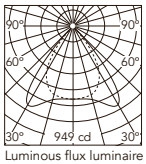
Dali 2

- 05.6255.40.DA
- 05.6255.40.YU
- 05.6255.14.DA
- 05.6255.AP.DA

Casambi

- 05.6255.40.CB
- 05.6255.40.C6
- 05.6255.14.CB
- 05.6255.AP.CB





Luminous flux luminaire
1192 lm

Beam Angle:	80°
h(m) E(lx)	D(m)
1 759	1.67
2 190	3.34
3 84	5.00
4 47	6.67
5 30	8.34

Optic High Comfort - 3000K

Non Dimming

- 05.5750.40
- 05.5750.40.78
- 05.5750.14
- 05.5750.AP

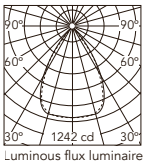
Dali 2

- 05.5750.40.DA
- 05.5750.40.YU
- 05.5750.14.DA
- 05.5750.AP.DA

Casambi

- 05.5750.40.CB
- 05.5750.40.C6
- 05.5750.14.CB
- 05.5750.AP.CB





Luminous flux luminaire
1289 lm

Beam Angle:	66°
h(m) E(lx)	D(m)
1 1240	1.31
2 310	2.61
3 138	3.92
4 77	5.23
5 50	6.54

Optic Oval - 3500K

Non Dimming

- 05.6256.40
- 05.6256.40.78
- 05.6256.14
- 05.6256.AP

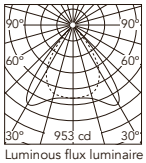
Dali 2

- 05.6256.40.DA
- 05.6256.40.YU
- 05.6256.14.DA
- 05.6256.AP.DA

Casambi

- 05.6256.40.CB
- 05.6256.40.C6
- 05.6256.14.CB
- 05.6256.AP.CB





Luminous flux luminaire
1198 lm

Beam Angle:	80°
h(m) E(lx)	D(m)
1 763	1.67
2 191	3.34
3 85	5.00
4 48	6.67
5 31	8.34

Optic High Comfort - 3500K

Non Dimming

- 05.5751.40
- 05.5751.40.78
- 05.5751.14
- 05.5751.AP

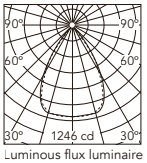
Dali 2

- 05.5751.40.DA
- 05.5751.40.YU
- 05.5751.14.DA
- 05.5751.AP.DA

Casambi

- 05.5751.40.CB
- 05.5751.40.C6
- 05.5751.14.CB
- 05.5751.AP.CB





Luminous flux luminaire
1293 lm

Beam Angle:	66°
h(m) E(lx)	D(m)
1 1244	1.31
2 311	2.61
3 138	3.92
4 78	5.23
5 50	6.54

Optic Oval - 4000K

Non Dimming

- 05.6257.40
- 05.6257.40.78
- 05.6257.14
- 05.6257.AP

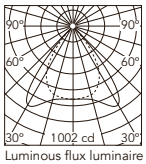
Dali 2

- 05.6257.40.DA
- 05.6257.40.YU
- 05.6257.14.DA
- 05.6257.AP.DA

Casambi

- 05.6257.40.CB
- 05.6257.40.C6
- 05.6257.14.CB
- 05.6257.AP.CB





Luminous flux luminaire
1259 lm

Beam Angle:	80°
h(m) E(lx)	D(m)
1 802	1.67
2 200	3.34
3 89	5.00
4 50	6.67
5 32	8.34

Optic High Comfort - 4000K

Non Dimming

- 05.5752.40
- 05.5752.40.78
- 05.5752.14
- 05.5752.AP

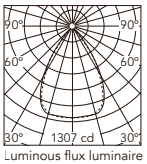
Dali 2

- 05.5752.40.DA
- 05.5752.40.YU
- 05.5752.14.DA
- 05.5752.AP.DA

Casambi

- 05.5752.40.CB
- 05.5752.40.C6
- 05.5752.14.CB
- 05.5752.AP.CB





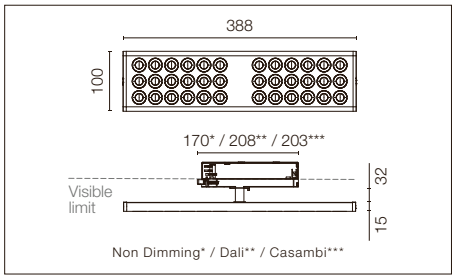
Luminous flux luminaire
1357 lm

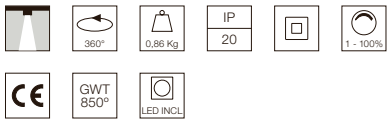
Beam Angle:	66°
h(m) E(lx)	D(m)
1 1306	1.31
2 326	2.61
3 145	3.92
4 82	5.23
5 52	6.54

Workmates Track Large

Light Source: Power LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2 / Casambi: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90







Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim, Dali y *Casambi* (inalámbrico). Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

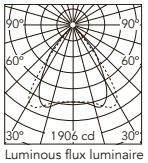
Optic Wide Flood - 3000K

Non Dimming
- 05.6260.40
- 05.6260.40.78
- 05.6260.14
- 05.6260.AP

Dali 2
- 05.6260.40.DA
- 05.6260.40.YU
- 05.6260.14.DA
- 05.6260.AP.DA

Casambi
- 05.6260.40.CB
- 05.6260.40.C6
- 05.6260.14.CB
- 05.6260.AP.CB





Luminous flux luminaire
2371 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1609	1.48
2	402	2.95
3	179	4.43
4	101	5.91
5	64	7.39

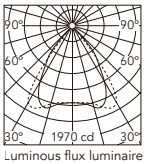
Optic Wide Flood - 4000K

Non Dimming
- 05.6262.40
- 05.6262.40.78
- 05.6262.14
- 05.6262.AP

Dali 2
- 05.6262.40.DA
- 05.6262.40.YU
- 05.6262.14.DA
- 05.6262.AP.DA

Casambi
- 05.6262.40.CB
- 05.6262.40.C6
- 05.6262.14.CB
- 05.6262.AP.CB





Luminous flux luminaire
2450 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1662	1.48
2	416	2.95
3	185	4.43
4	104	5.91
5	66	7.39

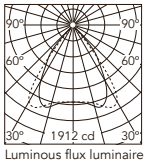
Optic Wide Flood - 3500K

Non Dimming
- 05.6261.40
- 05.6261.40.78
- 05.6261.14
- 05.6261.AP

Dali 2
- 05.6261.40.DA
- 05.6261.40.YU
- 05.6261.14.DA
- 05.6261.AP.DA

Casambi
- 05.6261.40.CB
- 05.6261.40.C6
- 05.6261.14.CB
- 05.6261.AP.CB





Luminous flux luminaire
2378 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1614	1.48
2	403	2.95
3	179	4.43
4	101	5.91
5	65	7.39

NEW

Optic Oval - 3000K

Non Dimming

- 05.6265.40
- 05.6265.40.78
- 05.6265.14
- 05.6265.AP

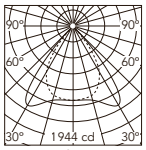
Dali 2

- 05.6265.40.DA
- 05.6265.40.YU
- 05.6265.14.DA
- 05.6265.AP.DA

Casambi

- 05.6265.40.CB
- 05.6265.40.C6
- 05.6265.14.CB
- 05.6265.AP.CB





Luminous flux luminaire
2462 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1577 1.68
2	394 3.36
3	175 5.03
4	99 6.71
5	63 8.39

Optic High Comfort - 3000K

Non Dimming

- 05.5760.40
- 05.5760.40.78
- 05.5760.14
- 05.5760.AP

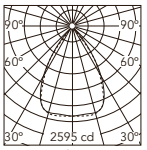
Dali 2

- 05.5760.40.DA
- 05.5760.40.YU
- 05.5760.14.DA
- 05.5760.AP.DA

Casambi

- 05.5760.40.CB
- 05.5760.40.C6
- 05.5760.14.CB
- 05.5760.AP.CB





Luminous flux luminaire
2711 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2563 1.32
2	641 2.64
3	285 3.96
4	160 5.28
5	103 6.61

Optic Oval - 3500K

Non Dimming

- 05.6266.40
- 05.6266.40.78
- 05.6266.14
- 05.6266.AP

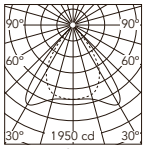
Dali 2

- 05.6266.40.DA
- 05.6266.40.YU
- 05.6266.14.DA
- 05.6266.AP.DA

Casambi

- 05.6266.40.CB
- 05.6266.40.C6
- 05.6266.14.CB
- 05.6266.AP.CB





Luminous flux luminaire
2469 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1582 1.68
2	395 3.36
3	176 5.03
4	99 6.71
5	63 8.39

Optic High Comfort - 3500K

Non Dimming

- 05.5761.40
- 05.5761.40.78
- 05.5761.14
- 05.5761.AP

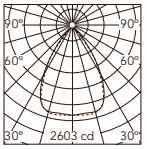
Dali 2

- 05.5761.40.DA
- 05.5761.40.YU
- 05.5761.14.DA
- 05.5761.AP.DA

Casambi

- 05.5761.40.CB
- 05.5761.40.C6
- 05.5761.14.CB
- 05.5761.AP.CB





Luminous flux luminaire
2718 lm

Beam Angle:	67°
h(m)	E(lx) D(m)
1	2571 1.32
2	643 2.64
3	286 3.96
4	161 5.28
5	103 6.61

Optic Oval - 4000K

Non Dimming

- 05.6267.40
- 05.6267.40.78
- 05.6267.14
- 05.6267.AP

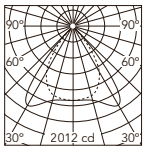
Dali 2

- 05.6267.40.DA
- 05.6267.40.YU
- 05.6267.14.DA
- 05.6267.AP.DA

Casambi

- 05.6267.40.CB
- 05.6267.40.C6
- 05.6267.14.CB
- 05.6267.AP.CB





Luminous flux luminaire
2548 lm

Beam Angle:	80°
h(m)	E(lx) D(m)
1	1632 1.68
2	408 3.36
3	181 5.03
4	102 6.71
5	65 8.39

Optic High Comfort - 4000K

Non Dimming

- 05.5762.40
- 05.5762.40.78
- 05.5762.14
- 05.5762.AP

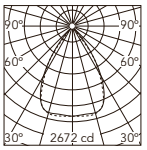
Dali 2

- 05.5762.40.DA
- 05.5762.40.YU
- 05.5762.14.DA
- 05.5762.AP.DA

Casambi

- 05.5762.40.CB
- 05.5762.40.C6
- 05.5762.14.CB
- 05.5762.AP.CB





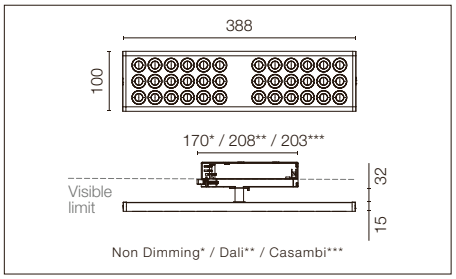
Luminous flux luminaire
2790 lm

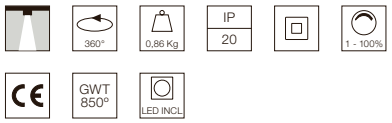
Beam Angle:	67°
h(m)	E(lx) D(m)
1	2639 1.32
2	660 2.64
3	293 3.96
4	165 5.28
5	106 6.61

Workmates Track Large

Light Source: Power LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2 / Casambi: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim, Dali and *Casambi* (wireless) control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim, Dali y *Casambi* (inalámbrico). Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

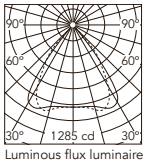
Optic Wide Flood - 3000K

Non Dimming
- 05.6270.40
- 05.6270.40.78
- 05.6270.14
- 05.6270.AP

Dali 2
- 05.6270.40.DA
- 05.6270.40.YU
- 05.6270.14.DA
- 05.6270.AP.DA

Casambi
- 05.6270.40.CB
- 05.6270.40.C6
- 05.6270.14.CB
- 05.6270.AP.CB





Luminous flux luminaire
1761 lm

Beam Angle: 75°

h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

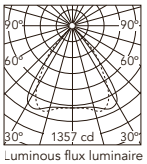
Optic Wide Flood - 4000K

Non Dimming
- 05.6272.40
- 05.6272.40.78
- 05.6272.14
- 05.6272.AP

Dali 2
- 05.6272.40.DA
- 05.6272.40.YU
- 05.6272.14.DA
- 05.6272.AP.DA

Casambi
- 05.6272.40.CB
- 05.6272.40.C6
- 05.6272.14.CB
- 05.6272.AP.CB





Luminous flux luminaire
1860 lm

Beam Angle: 75°

h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

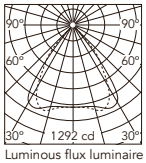
Optic Wide Flood - 3500K

Non Dimming
- 05.6271.40
- 05.6271.40.78
- 05.6271.14
- 05.6271.AP

Dali 2
- 05.6271.40.DA
- 05.6271.40.YU
- 05.6271.14.DA
- 05.6271.AP.DA

Casambi
- 05.6271.40.CB
- 05.6271.40.C6
- 05.6271.14.CB
- 05.6271.AP.CB





Luminous flux luminaire
1770 lm

Beam Angle: 75°

h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

NEW

Optic Oval - 3000K

Non Dimming

- 05.6275.40
- 05.6275.40.78
- 05.6275.14
- 05.6275.AP

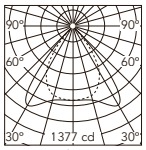
Dali 2

- 05.6275.40.DA
- 05.6275.40.YU
- 05.6275.14.DA
- 05.6275.AP.DA

Casambi

- 05.6275.40.CB
- 05.6275.40.C6
- 05.6275.14.CB
- 05.6275.AP.CB

80° OVAL



Luminous flux luminaire
1744 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1117	1.68
2	279	3.36
3	124	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3000K

Non Dimming

- 05.5770.40
- 05.5770.40.78
- 05.5770.14
- 05.5770.AP

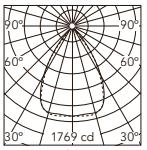
Dali 2

- 05.5770.40.DA
- 05.5770.40.YU
- 05.5770.14.DA
- 05.5770.AP.DA

Casambi

- 05.5770.40.CB
- 05.5770.40.C6
- 05.5770.14.CB
- 05.5770.AP.CB

67° HIGH COMFORT



Luminous flux luminaire
1848 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1747	1.32
2	437	2.64
3	194	3.96
4	109	5.28
5	70	6.61

Optic Oval - 3500K

Non Dimming

- 05.6276.40
- 05.6276.40.78
- 05.6276.14
- 05.6276.AP

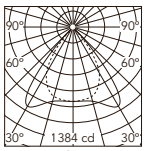
Dali 2

- 05.6276.40.DA
- 05.6276.40.YU
- 05.6276.14.DA
- 05.6276.AP.DA

Casambi

- 05.6276.40.CB
- 05.6276.40.C6
- 05.6276.14.CB
- 05.6276.AP.CB

80° OVAL



Luminous flux luminaire
1753 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1123	1.68
2	281	3.36
3	125	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3500K

Non Dimming

- 05.5771.40
- 05.5771.40.78
- 05.5771.14
- 05.5771.AP

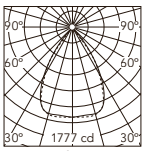
Dali 2

- 05.5771.40.DA
- 05.5771.40.YU
- 05.5771.14.DA
- 05.5771.AP.DA

Casambi

- 05.5771.40.CB
- 05.5771.40.C6
- 05.5771.14.CB
- 05.5771.AP.CB

67° HIGH COMFORT



Luminous flux luminaire
1856 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1755	1.32
2	439	2.64
3	195	3.96
4	110	5.28
5	70	6.61

Optic Oval - 4000K

Non Dimming

- 05.6277.40
- 05.6277.40.78
- 05.6277.14
- 05.6277.AP

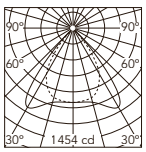
Dali 2

- 05.6277.40.DA
- 05.6277.40.YU
- 05.6277.14.DA
- 05.6277.AP.DA

Casambi

- 05.6277.40.CB
- 05.6277.40.C6
- 05.6277.14.CB
- 05.6277.AP.CB

80° OVAL



Luminous flux luminaire
1842 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1180	1.68
2	295	3.36
3	131	5.03
4	74	6.71
5	47	8.39

Optic High Comfort - 4000K

Non Dimming

- 05.5772.40
- 05.5772.40.78
- 05.5772.14
- 05.5772.AP

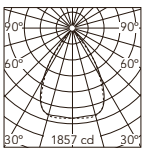
Dali 2

- 05.5772.40.DA
- 05.5772.40.YU
- 05.5772.14.DA
- 05.5772.AP.DA

Casambi

- 05.5772.40.CB
- 05.5772.40.C6
- 05.5772.14.CB
- 05.5772.AP.CB

67° HIGH COMFORT



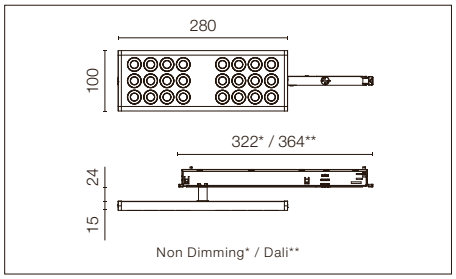
Luminous flux luminaire
1939 lm

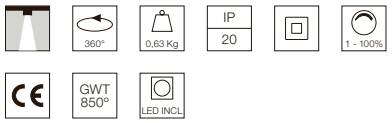
Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1834	1.32
2	458	2.64
3	204	3.96
4	115	5.28
5	73	6.61

Workmates In-Track Small

Light Source: Power LED High Efficiency
Non Dimming: 15,5W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90
Dali 2: 15W - 1817 lm - 3000K/CRI 90 / 1831 lm - 3500K/CRI 90 / 1858 lm - 4000K/CRI 90







Luminaire for use on a three-phase track, with adapters for No Dim and Dali control. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

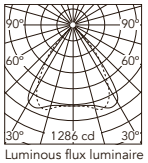
Non Dimming

- 05.6280.40
- 05.6280.40.78
- 05.6280.14
- 05.6280.AP

Dali 2

- 05.6280.40.DA
- 05.6280.40.YU
- 05.6280.14.DA
- 05.6280.AP.DA





Luminous flux luminaire
1768 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1143	1.55
2	286	3.10
3	127	4.66
4	71	6.21
5	46	7.76

Optic Wide Flood - 4000K

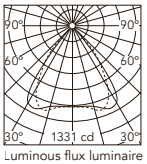
Non Dimming

- 05.6282.40
- 05.6282.40.78
- 05.6282.14
- 05.6282.AP

Dali 2

- 05.6282.40.DA
- 05.6282.40.YU
- 05.6282.14.DA
- 05.6282.AP.DA





Luminous flux luminaire
1830 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1183	1.55
2	296	3.10
3	131	4.66
4	74	6.21
5	47	7.76

Optic Wide Flood - 3500K

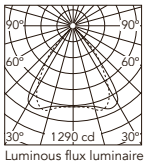
Non Dimming

- 05.6281.40
- 05.6281.40.78
- 05.6281.14
- 05.6281.AP

Dali 2

- 05.6281.40.DA
- 05.6281.40.YU
- 05.6281.14.DA
- 05.6281.AP.DA





Luminous flux luminaire
1773 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	1146	1.55
2	286	3.10
3	127	4.66
4	72	6.21
5	46	7.76

NEW

Optic Oval - 3000K

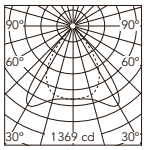
Non Dimming

- 05.6285.40
- 05.6285.40.78
- 05.6285.14
- 05.6285.AP

Dali 2

- 05.6285.40.DA
- 05.6285.40.YU
- 05.6285.14.DA
- 05.6285.AP.DA





Luminous flux luminaire
1720 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1096	1.67
2	274	3.34
3	122	5.00
4	68	6.67
5	44	8.34

Optic High Comfort - 3000K

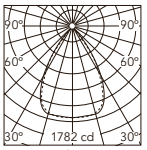
Non Dimming

- 05.5780.40
- 05.5780.40.78
- 05.5780.14
- 05.5780.AP

Dali 2

- 05.5780.40.DA
- 05.5780.40.YU
- 05.5780.14.DA
- 05.5780.AP.DA





Luminous flux luminaire
1850 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1780	1.31
2	445	2.61
3	198	3.92
4	111	5.23
5	71	6.54

Optic Oval - 3500K

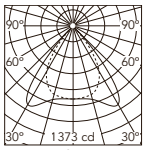
Non Dimming

- 05.6286.40
- 05.6286.40.78
- 05.6286.14
- 05.6286.AP

Dali 2

- 05.6286.40.DA
- 05.6286.40.YU
- 05.6286.14.DA
- 05.6286.AP.DA





Luminous flux luminaire
1725 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1099	1.67
2	275	3.34
3	122	5.00
4	69	6.67
5	44	8.34

Optic High Comfort - 3500K

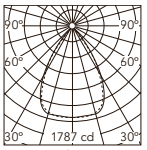
Non Dimming

- 05.5781.40
- 05.5781.40.78
- 05.5781.14
- 05.5781.AP

Dali 2

- 05.5781.40.DA
- 05.5781.40.YU
- 05.5781.14.DA
- 05.5781.AP.DA





Luminous flux luminaire
1855 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1785	1.31
2	446	2.61
3	198	3.92
4	112	5.23
5	71	6.54

Optic Oval - 4000K

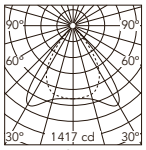
Non Dimming

- 05.6287.40
- 05.6287.40.78
- 05.6287.14
- 05.6287.AP

Dali 2

- 05.6287.40.DA
- 05.6287.40.YU
- 05.6287.14.DA
- 05.6287.AP.DA





Luminous flux luminaire
1780 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1134	1.67
2	283	3.34
3	126	5.00
4	71	6.67
5	45	8.34

Optic High Comfort - 4000K

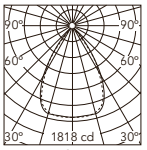
Non Dimming

- 05.5782.40
- 05.5782.40.78
- 05.5782.14
- 05.5782.AP

Dali 2

- 05.5782.40.DA
- 05.5782.40.YU
- 05.5782.14.DA
- 05.5782.AP.DA





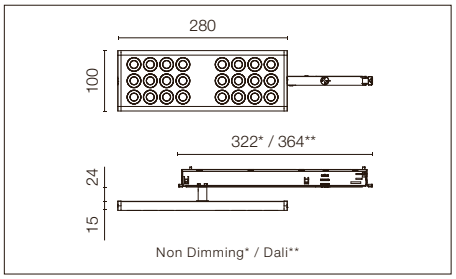
Luminous flux luminaire
1887 lm

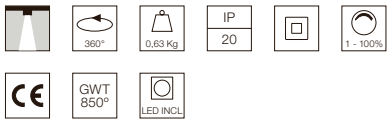
Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1815	1.31
2	454	2.61
3	202	3.92
4	113	5.23
5	73	6.54

Workmates In-Track Small

Light Source: Power LED Full Spectrum
Non Dimming: 15,5W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98
Dali 2: 15W - 1346 lm - 3000K/CRI 98 / 1357 lm - 3500K/CRI 98 / 1369 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim and Dali control. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant.

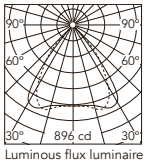
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6290.40
- 05.6290.40.78
- 05.6290.14
- 05.6290.AP

Dali 2
- 05.6290.40.DA
- 05.6290.40.YU
- 05.6290.14.DA
- 05.6290.AP.DA





Luminous flux luminaire
1231 lm

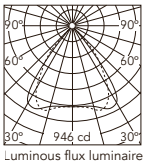
Beam Angle:		76°
h(m)	E(lx)	D(m)
1	796	1.55
2	199	3.10
3	88	4.66
4	50	6.21
5	32	7.76

Optic Wide Flood - 4000K

Non Dimming
- 05.6292.40
- 05.6292.40.78
- 05.6292.14
- 05.6292.AP

Dali 2
- 05.6292.40.DA
- 05.6292.40.YU
- 05.6292.14.DA
- 05.6292.AP.DA





Luminous flux luminaire
1300 lm

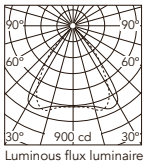
Beam Angle:		76°
h(m)	E(lx)	D(m)
1	840	1.55
2	210	3.10
3	93	4.66
4	53	6.21
5	34	7.76

Optic Wide Flood - 3500K

Non Dimming
- 05.6291.40
- 05.6291.40.78
- 05.6291.14
- 05.6291.AP

Dali 2
- 05.6291.40.DA
- 05.6291.40.YU
- 05.6291.14.DA
- 05.6291.AP.DA





Luminous flux luminaire
1238 lm

Beam Angle:		76°
h(m)	E(lx)	D(m)
1	800	1.55
2	200	3.10
3	89	4.66
4	50	6.21
5	32	7.76

NEW

Optic Oval - 3000K

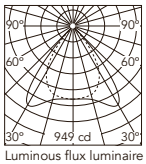
Non Dimming

- 05.6295.40
- 05.6295.40.78
- 05.6295.14
- 05.6295.AP

Dali 2

- 05.6295.40.DA
- 05.6295.40.YU
- 05.6295.14.DA
- 05.6295.AP.DA





Luminous flux luminaire
1192 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	759	1.67
2	190	3.34
3	84	5.00
4	47	6.67
5	30	8.34

Optic High Comfort - 3000K

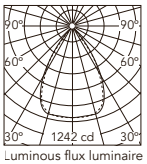
Non Dimming

- 05.5790.40
- 05.5790.40.78
- 05.5790.14
- 05.5790.AP

Dali 2

- 05.5790.40.DA
- 05.5790.40.YU
- 05.5790.14.DA
- 05.5790.AP.DA





Luminous flux luminaire
1289 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1240	1.31
2	310	2.61
3	138	3.92
4	77	5.23
5	50	6.54

Optic Oval - 3500K

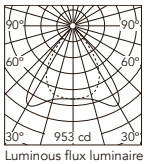
Non Dimming

- 05.6296.40
- 05.6296.40.78
- 05.6296.14
- 05.6296.AP

Dali 2

- 05.6296.40.DA
- 05.6296.40.YU
- 05.6296.14.DA
- 05.6296.AP.DA





Luminous flux luminaire
1198 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	763	1.67
2	191	3.34
3	85	5.00
4	48	6.67
5	31	8.34

Optic High Comfort - 3500K

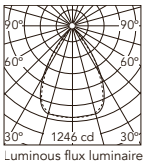
Non Dimming

- 05.5791.40
- 05.5791.40.78
- 05.5791.14
- 05.5791.AP

Dali 2

- 05.5791.40.DA
- 05.5791.40.YU
- 05.5791.14.DA
- 05.5791.AP.DA





Luminous flux luminaire
1293 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1244	1.31
2	311	2.61
3	138	3.92
4	78	5.23
5	50	6.54

Optic Oval - 4000K

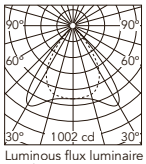
Non Dimming

- 05.6297.40
- 05.6297.40.78
- 05.6297.14
- 05.6297.AP

Dali 2

- 05.6297.40.DA
- 05.6297.40.YU
- 05.6297.14.DA
- 05.6297.AP.DA





Luminous flux luminaire
1259 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	802	1.67
2	200	3.34
3	89	5.00
4	50	6.67
5	32	8.34

Optic High Comfort - 4000K

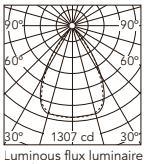
Non Dimming

- 05.5792.40
- 05.5792.40.78
- 05.5792.14
- 05.5792.AP

Dali 2

- 05.5792.40.DA
- 05.5792.40.YU
- 05.5792.14.DA
- 05.5792.AP.DA





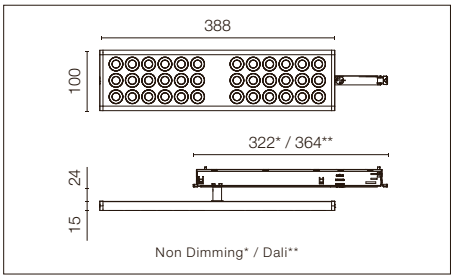
Luminous flux luminaire
1357 lm

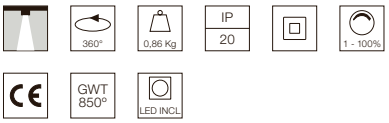
Beam Angle:		66°
h(m)	E(lx)	D(m)
1	1306	1.31
2	326	2.61
3	145	3.92
4	82	5.23
5	52	6.54

Workmates In-Track Large

Light Source: Power LED High Efficiency
Non Dimming: 21W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90
Dali 2: 22W - 2726 lm - 3000K/CRI 90 / 2758 lm - 3500K/CRI 90 / 2786 lm - 4000K/CRI 90







Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-efficiency light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65°<3000 compliant.

Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz de alta eficiencia. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360° para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65°<3000.

Optic Wide Flood - 3000K

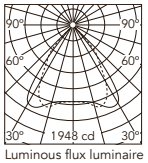
Non Dimming

- 05.6300.40
- 05.6300.40.78
- 05.6300.14
- 05.6300.AP

Dali 2

- 05.6300.40.DA
- 05.6300.40.YU
- 05.6300.14.DA
- 05.6300.AP.DA





Luminous flux luminaire
2582 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1634	1.57
2	409	3.13
3	182	4.70
4	102	6.26
5	65	7.83

Optic Wide Flood - 4000K

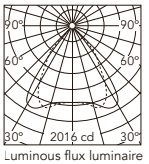
Non Dimming

- 05.6302.40
- 05.6302.40.78
- 05.6302.14
- 05.6302.AP

Dali 2

- 05.6302.40.DA
- 05.6302.40.YU
- 05.6302.14.DA
- 05.6302.AP.DA





Luminous flux luminaire
2673 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1692	1.57
2	423	3.13
3	188	4.70
4	106	6.26
5	68	7.83

Optic Wide Flood - 3500K

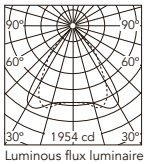
Non Dimming

- 05.6301.40
- 05.6301.40.78
- 05.6301.14
- 05.6301.AP

Dali 2

- 05.6301.40.DA
- 05.6301.40.YU
- 05.6301.14.DA
- 05.6301.AP.DA





Luminous flux luminaire
2590 lm

Beam Angle: 76°

h(m)	E(lx)	D(m)
1	1639	1.57
2	410	3.13
3	182	4.70
4	102	6.26
5	66	7.83

NEW

Optic Oval - 3000K

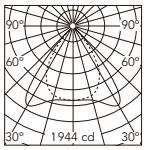
Non Dimming

- 05.6305.40
- 05.6305.40.78
- 05.6305.14
- 05.6305.AP

Dali 2

- 05.6305.40.DA
- 05.6305.40.YU
- 05.6305.14.DA
- 05.6305.AP.DA





Luminous flux luminaire
2462 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	1577	1.68
2	394	3.36
3	175	5.03
4	99	6.71
5	63	8.39

Optic High Comfort - 3000K

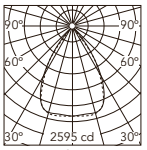
Non Dimming

- 05.5800.40
- 05.5800.40.78
- 05.5800.14
- 05.5800.AP

Dali 2

- 05.5800.40.DA
- 05.5800.40.YU
- 05.5800.14.DA
- 05.5800.AP.DA





Luminous flux luminaire
2711 lm

Beam Angle:	67°	
h(m)	E(lx)	D(m)
1	2563	1.32
2	641	2.64
3	285	3.96
4	160	5.28
5	103	6.61

Optic Oval - 3500K

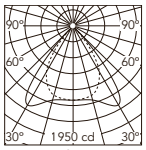
Non Dimming

- 05.6306.40
- 05.6306.40.78
- 05.6306.14
- 05.6306.AP

Dali 2

- 05.6306.40.DA
- 05.6306.40.YU
- 05.6306.14.DA
- 05.6306.AP.DA





Luminous flux luminaire
2469 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	1582	1.68
2	395	3.36
3	176	5.03
4	99	6.71
5	63	8.39

Optic High Comfort - 3500K

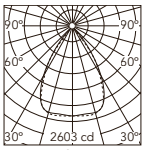
Non Dimming

- 05.5801.40
- 05.5801.40.78
- 05.5801.14
- 05.5801.AP

Dali 2

- 05.5801.40.DA
- 05.5801.40.YU
- 05.5801.14.DA
- 05.5801.AP.DA





Luminous flux luminaire
2718 lm

Beam Angle:	67°	
h(m)	E(lx)	D(m)
1	2571	1.32
2	643	2.64
3	286	3.96
4	161	5.28
5	103	6.61

Optic Oval - 4000K

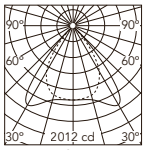
Non Dimming

- 05.6307.40
- 05.6307.40.78
- 05.6307.14
- 05.6307.AP

Dali 2

- 05.6307.40.DA
- 05.6307.40.YU
- 05.6307.14.DA
- 05.6307.AP.DA





Luminous flux luminaire
2548 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	1632	1.68
2	408	3.36
3	181	5.03
4	102	6.71
5	65	8.39

Optic High Comfort - 4000K

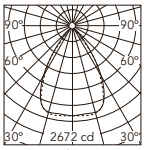
Non Dimming

- 05.5802.40
- 05.5802.40.78
- 05.5802.14
- 05.5802.AP

Dali 2

- 05.5802.40.DA
- 05.5802.40.YU
- 05.5802.14.DA
- 05.5802.AP.DA





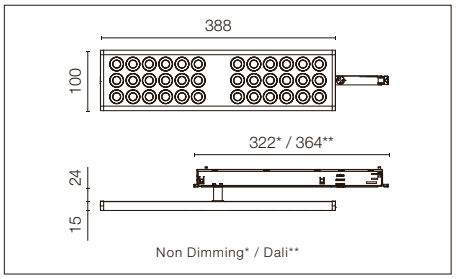
Luminous flux luminaire
2790 lm

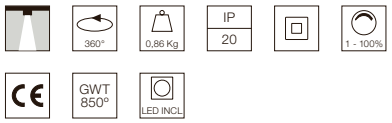
Beam Angle:	67°	
h(m)	E(lx)	D(m)
1	2639	1.32
2	660	2.64
3	293	3.96
4	165	5.28
5	106	6.61

Workmates In-Track Large

Light Source: Power LED Full Spectrum
Non Dimming: 21W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98
Dali 2: 22W - 2018 lm - 3000K/CRI 98 / 2036 lm - 3500K/CRI 98 / 2053 lm - 4000K/CRI 98







Luminaire for use on a three-phase track, with adapters for No Dim and Dali *control*. High-quality colour rendering *Full Spectrum* light source. Also available in a The Running Magnet version. This can rotate by 360° on the axis of its rear arm to reach any position relative to the track (from parallel to perpendicular). UGR<19. EN12464 - cd/m² @ 65º<3000 compliant.

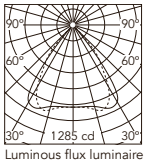
Luminaria para aplicación en carril trifásico, con adaptadores para control No Dim y Dali. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. También disponible en versión para The Running Magnet. Sobre el eje de su brazo trasero, puede girar 360º para adoptar cualquier posición con respecto al carril (desde paralela a perpendicular). UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Wide Flood - 3000K

Non Dimming
- 05.6310.40
- 05.6310.40.78
- 05.6310.14
- 05.6310.AP

Dali 2
- 05.6310.40.DA
- 05.6310.40.YU
- 05.6310.14.DA
- 05.6310.AP.DA





Luminous flux luminaire
1761 lm

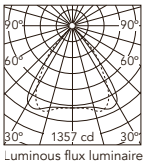
Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1155	1.55
2	289	3.09
3	128	4.64
4	72	6.18
5	46	7.73

Optic Wide Flood - 4000K

Non Dimming
- 05.6312.40
- 05.6312.40.78
- 05.6312.14
- 05.6312.AP

Dali 2
- 05.6312.40.DA
- 05.6312.40.YU
- 05.6312.14.DA
- 05.6312.AP.DA





Luminous flux luminaire
1860 lm

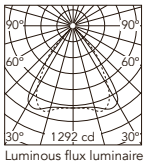
Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1219	1.55
2	305	3.09
3	135	4.64
4	76	6.18
5	49	7.73

Optic Wide Flood - 3500K

Non Dimming
- 05.6311.40
- 05.6311.40.78
- 05.6311.14
- 05.6311.AP

Dali 2
- 05.6311.40.DA
- 05.6311.40.YU
- 05.6311.14.DA
- 05.6311.AP.DA





Luminous flux luminaire
1770 lm

Beam Angle:		75°
h(m)	E(lx)	D(m)
1	1160	1.55
2	290	3.09
3	129	4.64
4	73	6.18
5	46	7.73

NEW

Optic Oval - 3000K

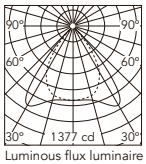
Non Dimming

- 05.6315.40
- 05.6315.40.78
- 05.6315.14
- 05.6315.AP

Dali 2

- 05.6315.40.DA
- 05.6315.40.YU
- 05.6315.14.DA
- 05.6315.AP.DA





Luminous flux luminaire
1744 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1117	1.68
2	279	3.36
3	124	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3000K

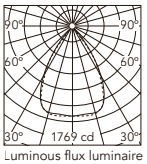
Non Dimming

- 05.5810.40
- 05.5810.40.78
- 05.5810.14
- 05.5810.AP

Dali 2

- 05.5810.40.DA
- 05.5810.40.YU
- 05.5810.14.DA
- 05.5810.AP.DA





Luminous flux luminaire
1848 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1747	1.32
2	437	2.64
3	194	3.96
4	109	5.28
5	70	6.61

Optic Oval - 3500K

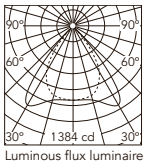
Non Dimming

- 05.6316.40
- 05.6316.40.78
- 05.6316.14
- 05.6316.AP

Dali 2

- 05.6316.40.DA
- 05.6316.40.YU
- 05.6316.14.DA
- 05.6316.AP.DA





Luminous flux luminaire
1753 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1123	1.68
2	281	3.36
3	125	5.03
4	70	6.71
5	45	8.39

Optic High Comfort - 3500K

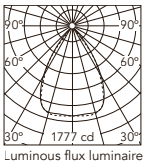
Non Dimming

- 05.5811.40
- 05.5811.40.78
- 05.5811.14
- 05.5811.AP

Dali 2

- 05.5811.40.DA
- 05.5811.40.YU
- 05.5811.14.DA
- 05.5811.AP.DA





Luminous flux luminaire
1856 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1755	1.32
2	439	2.64
3	195	3.96
4	110	5.28
5	70	6.61

Optic Oval - 4000K

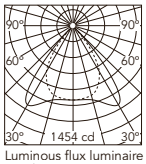
Non Dimming

- 05.6317.40
- 05.6317.40.78
- 05.6317.14
- 05.6317.AP

Dali 2

- 05.6317.40.DA
- 05.6317.40.YU
- 05.6317.14.DA
- 05.6317.AP.DA





Luminous flux luminaire
1842 lm

Beam Angle:		80°
h(m)	E(lx)	D(m)
1	1180	1.68
2	295	3.36
3	131	5.03
4	74	6.71
5	47	8.39

Optic High Comfort - 4000K

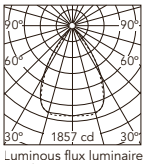
Non Dimming

- 05.5812.40
- 05.5812.40.78
- 05.5812.14
- 05.5812.AP

Dali 2

- 05.5812.40.DA
- 05.5812.40.YU
- 05.5812.14.DA
- 05.5812.AP.DA





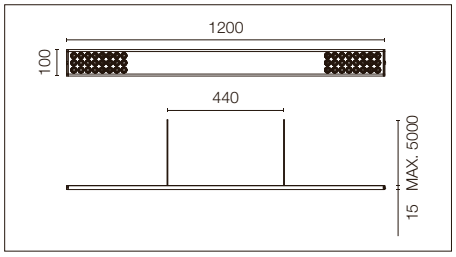
Luminous flux luminaire
1939 lm

Beam Angle:		67°
h(m)	E(lx)	D(m)
1	1834	1.32
2	458	2.64
3	204	3.96
4	115	5.28
5	73	6.61

Workmates Suspension Down

Light Source: Top LED High Efficiency
Non Dimming / Dali 2: 28W - 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90
Casambi: 26W - 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90







Suspension luminaire. *Down* emission. High-efficiency light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19.
EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión Down. Fuente de luz de alta eficiencia. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19.
Conforme a la norma EN12464 - cd/m² @ 65°<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

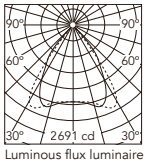
Non Dimming / Dali 2

- 05.6320.40
- 05.6320.40.78
- 05.6320.14
- 05.6320.AP

Casambi

- 05.6320.40.CB
- 05.6320.40.C6
- 05.6320.14.CB
- 05.6320.AP.CB





Luminous flux luminaire
3392 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

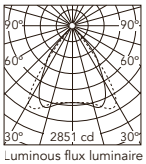
Non Dimming / Dali 2

- 05.6322.40
- 05.6322.40.78
- 05.6322.14
- 05.6322.AP

Casambi

- 05.6322.40.CB
- 05.6322.40.C6
- 05.6322.14.CB
- 05.6322.AP.CB





Luminous flux luminaire
3594 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2383	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic Wide Flood - 3500K

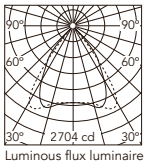
Non Dimming / Dali 2

- 05.6321.40
- 05.6321.40.78
- 05.6321.14
- 05.6321.AP

Casambi

- 05.6321.40.CB
- 05.6321.40.C6
- 05.6321.14.CB
- 05.6321.AP.CB





Luminous flux luminaire
3408 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

NEW

Optic Oval - 3000K

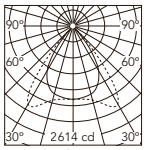
Non Dimming / Dali 2

- 05.6325.40
- 05.6325.40.78
- 05.6325.14
- 05.6325.AP

Casambi

- 05.6325.40.CB
- 05.6325.40.C6
- 05.6325.14.CB
- 05.6325.AP.CB





Luminous flux luminaire
3216 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic High Comfort - 3000K

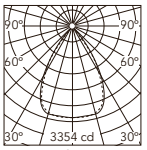
Non Dimming / Dali 2

- 05.5820.40
- 05.5820.40.78
- 05.5820.14
- 05.5820.AP

Casambi

- 05.5820.40.CB
- 05.5820.40.C6
- 05.5820.14.CB
- 05.5820.AP.CB





Luminous flux luminaire
3482 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3350	1.31
2	837	2.61
3	372	3.92
4	209	5.23
5	134	6.54

Optic Oval - 3500K

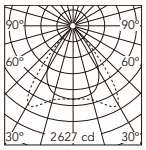
Non Dimming / Dali 2

- 05.6326.40
- 05.6326.40.78
- 05.6326.14
- 05.6326.AP

Casambi

- 05.6326.40.CB
- 05.6326.40.C6
- 05.6326.14.CB
- 05.6326.AP.CB





Luminous flux luminaire
3232 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic High Comfort - 3500K

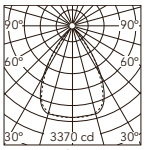
Non Dimming / Dali 2

- 05.5821.40
- 05.5821.40.78
- 05.5821.14
- 05.5821.AP

Casambi

- 05.5821.40.CB
- 05.5821.40.C6
- 05.5821.14.CB
- 05.5821.AP.CB





Luminous flux luminaire
3498 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3365	1.31
2	841	2.61
3	374	3.92
4	210	5.23
5	135	6.54

Optic Oval - 4000K

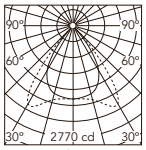
Non Dimming / Dali 2

- 05.6327.40
- 05.6327.40.78
- 05.6327.14
- 05.6327.AP

Casambi

- 05.6327.40.CB
- 05.6327.40.C6
- 05.6327.14.CB
- 05.6327.AP.CB





Luminous flux luminaire
3408 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

Optic High Comfort - 4000K

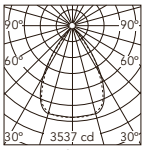
Non Dimming / Dali 2

- 05.5822.40
- 05.5822.40.78
- 05.5822.14
- 05.5822.AP

Casambi

- 05.5822.40.CB
- 05.5822.40.C6
- 05.5822.14.CB
- 05.5822.AP.CB





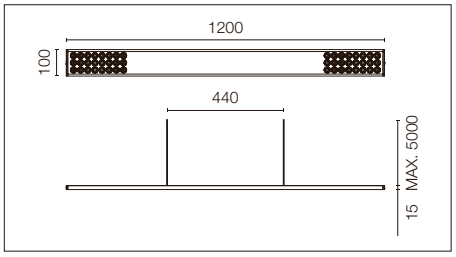
Luminous flux luminaire
3672 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	3533	1.31
2	883	2.61
3	393	3.92
4	221	5.23
5	141	6.54

Workmates Suspension Down

Light Source: Top LED Full Spectrum
Non Dimming / Dali 2: 28W - 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98
Casambi: 26W - 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98







Suspension luminaire. *Down* emission. High-quality colour rendering *Full Spectrum* light source. Driver not included. Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión Down. Fuente de luz *Full Spectrum* de alta calidad en la reproducción cromática. Driver no incluido. Altura de suspensión ajustable. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

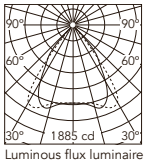
Non Dimming / Dali 2

- 05.6330.40
- 05.6330.40.78
- 05.6330.14
- 05.6330.AP

Casambi

- 05.6330.40.CB
- 05.6330.40.C6
- 05.6330.14.CB
- 05.6330.AP.CB





Luminous flux luminaire
2464 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 3500K

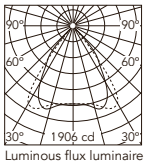
Non Dimming / Dali 2

- 05.6331.40
- 05.6331.40.78
- 05.6331.14
- 05.6331.AP

Casambi

- 05.6331.40.CB
- 05.6331.40.C6
- 05.6331.14.CB
- 05.6331.AP.CB





Luminous flux luminaire
2491 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

Optic Wide Flood - 4000K

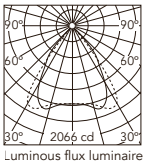
Non Dimming / Dali 2

- 05.6332.40
- 05.6332.40.78
- 05.6332.14
- 05.6332.AP

Casambi

- 05.6332.40.CB
- 05.6332.40.C6
- 05.6332.14.CB
- 05.6332.AP.CB





Luminous flux luminaire
2701 lm

Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

NEW

Optic Oval - 3000K

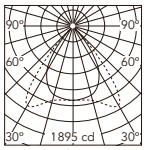
Non Dimming / Dali 2

- 05.6335.40
- 05.6335.40.78
- 05.6335.14
- 05.6335.AP

Casambi

- 05.6335.40.CB
- 05.6335.40.C6
- 05.6335.14.CB
- 05.6335.AP.CB





Luminous flux luminaire
2365 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic High Comfort - 3000K

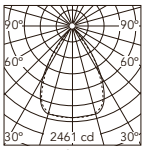
Non Dimming / Dali 2

- 05.5830.40
- 05.5830.40.78
- 05.5830.14
- 05.5830.AP

Casambi

- 05.5830.40.CB
- 05.5830.40.C6
- 05.5830.14.CB
- 05.5830.AP.CB





Luminous flux luminaire
2554 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2457	1.31
2	614	2.61
3	273	3.92
4	154	5.23
5	98	6.54

Optic Oval - 3500K

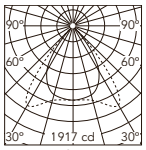
Non Dimming / Dali 2

- 05.6336.40
- 05.6336.40.78
- 05.6336.14
- 05.6336.AP

Casambi

- 05.6336.40.CB
- 05.6336.40.C6
- 05.6336.14.CB
- 05.6336.AP.CB





Luminous flux luminaire
2392 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic High Comfort - 3500K

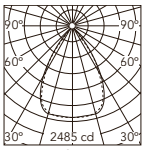
Non Dimming / Dali 2

- 05.5831.40
- 05.5831.40.78
- 05.5831.14
- 05.5831.AP

Casambi

- 05.5831.40.CB
- 05.5831.40.C6
- 05.5831.14.CB
- 05.5831.AP.CB





Luminous flux luminaire
2579 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2481	1.31
2	620	2.61
3	276	3.92
4	155	5.23
5	99	6.54

Optic Oval - 4000K

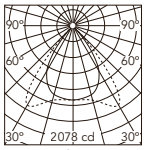
Non Dimming / Dali 2

- 05.6337.40
- 05.6337.40.78
- 05.6337.14
- 05.6337.AP

Casambi

- 05.6337.40.CB
- 05.6337.40.C6
- 05.6337.14.CB
- 05.6337.AP.CB





Luminous flux luminaire
2593 lm

Beam Angle:		71°
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Optic High Comfort - 4000K

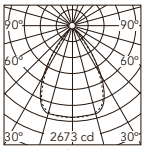
Non Dimming / Dali 2

- 05.5832.40
- 05.5832.40.78
- 05.5832.14
- 05.5832.AP

Casambi

- 05.5832.40.CB
- 05.5832.40.C6
- 05.5832.14.CB
- 05.5832.AP.CB





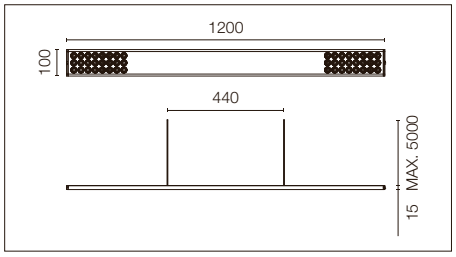
Luminous flux luminaire
2775 lm

Beam Angle:		66°
h(m)	E(lx)	D(m)
1	2670	1.31
2	667	2.61
3	297	3.92
4	167	5.23
5	107	6.54

Workmates Suspension Up&Down

Light Source: Top LED High Efficiency: Non Dimming / Dali 2: 57W / Casambi: 58,5W
Majority Up (70/30): 4316 lm Up - 1851 lm Down - 3000K/CRI 90 / 4413 lm Up - 1892 lm Down - 3500K/CRI 90 / 4531 lm Up - 1942 lm Down - 4000K/CRI 90
Majority Down (40/60): 2588 lm Up - 3913 lm Down - 3000K/CRI 90 / 2621 lm Up - 3942 lm Down - 3500K/CRI 90 / 2733 lm Up - 4100 lm Down - 4000K/CRI 90







Suspension luminaire. *Up&Down* emission. High-efficiency light source. Driver not included (accessory kit for remote or surface driver).
For *Non Dimming* models, you can configure the *Up&Down* luminous flux in 70/30 and 40/60 ratios (select the accessory kit for the driver concerned).
Adjustable suspension height.
Mechanical union module available for modular lines for various units.
UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión *Up&Down*. Fuente de luz de alta eficiencia. Driver no incluido (Kit accesorio para driver remoto o de superficie). En los modelos *Non Dimming* existe la opción de configurar el flujo lumínico Up&Down en repartos 70/30 y 40/60 (seleccione el kit accesorio para el driver pertinente).
Altura de suspensión ajustable.
Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.
Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

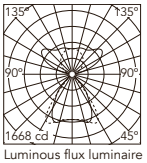
Non Dimming / Dali 2

- 05.6340.40
- 05.6340.40.78
- 05.6340.14
- 05.6340.AP

Casambi

- 05.6340.40.CB
- 05.6340.40.C6
- 05.6340.14.CB
- 05.6340.AP.CB

74° WIDE FLOOD MAJOR. UP

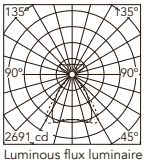


Luminous flux luminaire 5530 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	1393	1.49
2	348	2.99
3	155	4.48
4	87	5.97
5	56	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5570 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

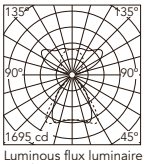
Non Dimming / Dali 2

- 05.6341.40
- 05.6341.40.78
- 05.6341.14
- 05.6341.AP

Casambi

- 05.6341.40.CB
- 05.6341.40.C6
- 05.6341.14.CB
- 05.6341.AP.CB

74° WIDE FLOOD MAJOR. UP

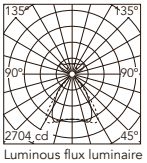


Luminous flux luminaire 5655 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	1416	1.49
2	354	2.99
3	157	4.48
4	88	5.97
5	57	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5653 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

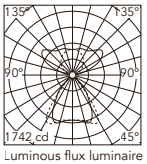
Non Dimming / Dali 2

- 05.6342.40
- 05.6342.40.78
- 05.6342.14
- 05.6342.AP

Casambi

- 05.6342.40.CB
- 05.6342.40.C6
- 05.6342.14.CB
- 05.6342.AP.CB

74° WIDE FLOOD MAJOR. UP

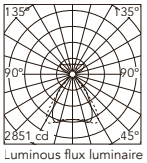


Luminous flux luminaire 5806 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	1456	1.49
2	364	2.99
3	162	4.48
4	91	5.97
5	58	7.46

74° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 5880 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

NEW

Optic Oval - 3000K

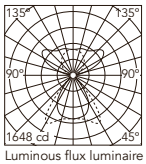
Non Dimming / Dali 2

- 05.6345.40
- 05.6345.40.78
- 05.6345.14
- 05.6345.AP

Casambi

- 05.6345.40.CB
- 05.6345.40.C6
- 05.6345.14.CB
- 05.6345.AP.CB

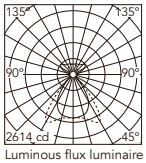
81° OVAL MAJOR. UP



Luminous flux luminaire 5456 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1320 1.42
2	330 2.85
3	147 4.27
4	83 5.70
5	53 7.12

81° OVAL MAJOR. DOWN



Luminous flux luminaire 5395 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2095 1.42
2	524 2.85
3	233 4.27
4	131 5.70
5	84 7.12

Optic High Comfort - 3000K

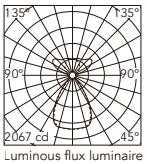
Non Dimming / Dali 2

- 05.5840.40
- 05.5840.40.78
- 05.5840.14
- 05.5840.AP

Casambi

- 05.5840.40.CB
- 05.5840.40.C6
- 05.5840.14.CB
- 05.5840.AP.CB

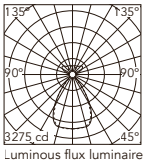
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 4905 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2064 1.31
2	516 2.61
3	229 3.92
4	129 5.23
5	83 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 5660 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3271 1.31
2	818 2.61
3	363 3.92
4	204 5.23
5	131 6.54

Optic Oval - 3500K

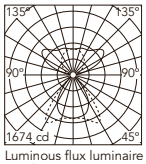
Non Dimming / Dali 2

- 05.6346.40
- 05.6346.40.78
- 05.6346.14
- 05.6346.AP

Casambi

- 05.6346.40.CB
- 05.6346.40.C6
- 05.6346.14.CB
- 05.6346.AP.CB

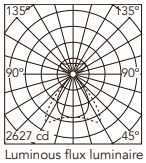
81° OVAL MAJOR. UP



Luminous flux luminaire 5578 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1341 1.42
2	335 2.85
3	149 4.27
4	84 5.70
5	54 7.12

81° OVAL MAJOR. DOWN



Luminous flux luminaire 5477 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2105 1.42
2	526 2.85
3	234 4.27
4	132 5.70
5	84 7.12

Optic High Comfort - 3500K

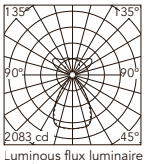
Non Dimming / Dali 2

- 05.5841.40
- 05.5841.40.78
- 05.5841.14
- 05.5841.AP

Casambi

- 05.5841.40.CB
- 05.5841.40.C6
- 05.5841.14.CB
- 05.5841.AP.CB

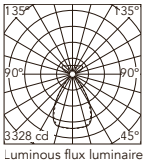
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 4945 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2081 1.31
2	520 2.61
3	231 3.92
4	130 5.23
5	83 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 5752 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3324 1.31
2	831 2.61
3	369 3.92
4	208 5.23
5	133 6.54

Optic Oval - 4000K

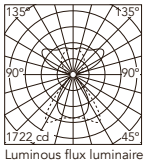
Non Dimming / Dali 2

- 05.6347.40
- 05.6347.40.78
- 05.6347.14
- 05.6347.AP

Casambi

- 05.6347.40.CB
- 05.6347.40.C6
- 05.6347.14.CB
- 05.6347.AP.CB

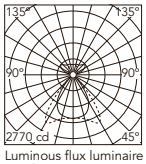
81° OVAL MAJOR. UP



Luminous flux luminaire 5726 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	1380 1.42
2	345 2.85
3	153 4.27
4	86 5.70
5	55 7.12

81° OVAL MAJOR. DOWN



Luminous flux luminaire 5694 lm

Beam Angle: -	81°
h(m)	E(lx) D(m)
1	2220 1.42
2	555 2.85
3	247 4.27
4	139 5.70
5	89 7.12

Optic High Comfort - 4000K

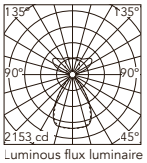
Non Dimming / Dali 2

- 05.5842.40
- 05.5842.40.78
- 05.5842.14
- 05.5842.AP

Casambi

- 05.5842.40.CB
- 05.5842.40.C6
- 05.5842.14.CB
- 05.5842.AP.CB

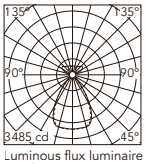
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5110 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2150 1.31
2	538 2.61
3	239 3.92
4	134 5.23
5	86 6.54

65° HIGH COMFORT MAJOR. DOWN



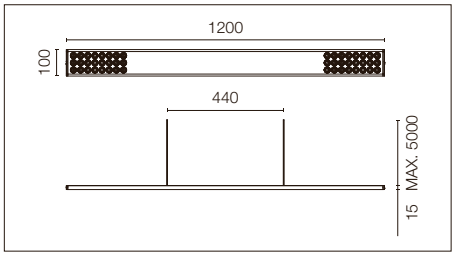
Luminous flux luminaire 6022 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	3480 1.31
2	870 2.61
3	387 3.92
4	217 5.23
5	139 6.54

Workmates Suspension Up&Down

Light Source: Top LED Full Spectrum: Non Dimming / Dali 2: 57W / Casambi: 58,5W
Majority Up (70/30): 3809 lm Up - 1633 lm Down - 3000K/CRI 98 / 3911 lm Up - 1671 lm Down - 3500K/CRI 98 / 4022 lm Up - 1725 lm Down - 4000K/CRI 98
Majority Down (40/60): 2122 lm Up - 3185 lm Down - 3000K/CRI 98 / 2238 lm Up - 3358 lm Down - 3500K/CRI 98 / 2081 lm Up - 3122 lm Down - 4000K/CRI 98







Suspension luminaire. *Up&Down* emission. High-quality colour rendering *Down Full Spectrum* light source. High-efficiency *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte inferior. Fuente de luz *Down Full Spectrum* de alta calidad en la reproducción cromática. Fuente de luz *Up* de alta eficiencia. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

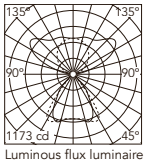
Non Dimming / Dali 2

- 05.6350.40
- 05.6350.40.78
- 05.6350.14
- 05.6350.AP

Casambi

- 05.6350.40.CB
- 05.6350.40.C6
- 05.6350.14.CB
- 05.6350.AP.CB

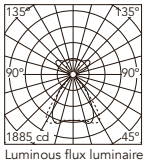
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 4921 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	783	5.67
2	196	11.33
3	87	17.00
4	49	22.67
5	31	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4642 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 4000K

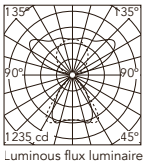
Non Dimming / Dali 2

- 05.6352.40
- 05.6352.40.78
- 05.6352.14
- 05.6352.AP

Casambi

- 05.6352.40.CB
- 05.6352.40.C6
- 05.6352.14.CB
- 05.6352.AP.CB

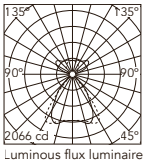
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5196 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	824	5.67
2	206	11.33
3	92	17.00
4	52	22.67
5	33	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4987 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic Wide Flood - 3500K

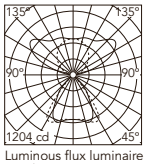
Non Dimming / Dali 2

- 05.6351.40
- 05.6351.40.78
- 05.6351.14
- 05.6351.AP

Casambi

- 05.6351.40.CB
- 05.6351.40.C6
- 05.6351.14.CB
- 05.6351.AP.CB

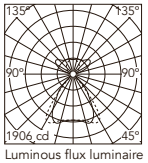
71° WIDE FLOOD MAJOR. UP



Luminous flux luminaire 5047 lm

Beam Angle: - 71°		
h(m)	E(lx)	D(m)
1	803	5.67
2	201	11.33
3	89	17.00
4	50	22.67
5	32	28.34

75° WIDE FLOOD MAJOR. DOWN



Luminous flux luminaire 4736 lm

Beam Angle: - 75°		
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

NEW

Optic Oval - 3000K

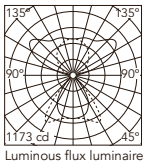
Non Dimming / Dali 2

- 05.6355.40
- 05.6355.40.78
- 05.6355.14
- 05.6355.AP

Casambi

- 05.6355.40.CB
- 05.6355.40.C6
- 05.6355.14.CB
- 05.6355.AP.CB

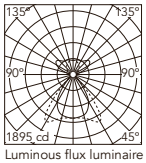
71° OVAL MAJOR. UP



Luminous flux luminaire 4868 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	783 5.67
2	196 11.33
3	87 17.00
4	49 22.67
5	31 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4543 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1530 1.43
2	383 2.86
3	170 4.28
4	96 5.71
5	61 7.14

Optic High Comfort - 3000K

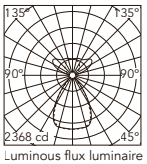
Non Dimming / Dali 2

- 05.5850.40
- 05.5850.40.78
- 05.5850.14
- 05.5850.AP

Casambi

- 05.5850.40.CB
- 05.5850.40.C6
- 05.5850.14.CB
- 05.5850.AP.CB

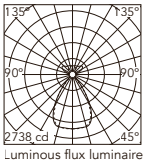
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5621 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2365 1.31
2	591 2.61
3	263 3.92
4	148 5.23
5	95 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 4732 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2735 1.31
2	684 2.61
3	304 3.92
4	171 5.23
5	109 6.54

Optic Oval - 3500K

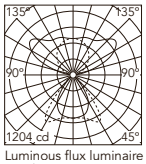
Non Dimming / Dali 2

- 05.6356.40
- 05.6356.40.78
- 05.6356.14
- 05.6356.AP

Casambi

- 05.6356.40.CB
- 05.6356.40.C6
- 05.6356.14.CB
- 05.6356.AP.CB

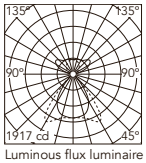
71° OVAL MAJOR. UP



Luminous flux luminaire 4993 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	803 5.67
2	201 11.33
3	89 17.00
4	50 22.67
5	32 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4637 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1548 1.43
2	387 2.86
3	172 4.28
4	97 5.71
5	62 7.14

Optic High Comfort - 3500K

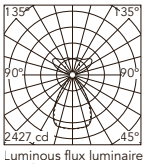
Non Dimming / Dali 2

- 05.5851.40
- 05.5851.40.78
- 05.5851.14
- 05.5851.AP

Casambi

- 05.5851.40.CB
- 05.5851.40.C6
- 05.5851.14.CB
- 05.5851.AP.CB

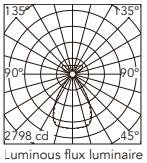
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5761 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2424 1.31
2	606 2.61
3	269 3.92
4	151 5.23
5	97 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 4836 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2795 1.31
2	699 2.61
3	311 3.92
4	175 5.23
5	112 6.54

Optic Oval - 4000K

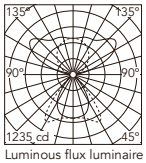
Non Dimming / Dali 2

- 05.6357.40
- 05.6357.40.78
- 05.6357.14
- 05.6357.AP

Casambi

- 05.6357.40.CB
- 05.6357.40.C6
- 05.6357.14.CB
- 05.6357.AP.CB

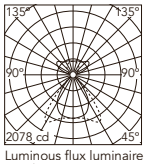
71° OVAL MAJOR. UP



Luminous flux luminaire 5140 lm

Beam Angle: -	71°
h(m)	E(lx) D(m)
1	824 5.67
2	206 11.33
3	92 17.00
4	52 22.67
5	33 28.34

82° OVAL MAJOR. DOWN



Luminous flux luminaire 4879 lm

Beam Angle: -	82°
h(m)	E(lx) D(m)
1	1678 1.43
2	419 2.86
3	186 4.28
4	105 5.71
5	67 7.14

Optic High Comfort - 4000K

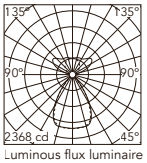
Non Dimming / Dali 2

- 05.5852.40
- 05.5852.40.78
- 05.5852.14
- 05.5852.AP

Casambi

- 05.5852.40.CB
- 05.5852.40.C6
- 05.5852.14.CB
- 05.5852.AP.CB

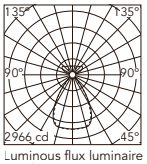
65° HIGH COMFORT MAJOR. UP



Luminous flux luminaire 5621 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2365 1.31
2	591 2.61
3	263 3.92
4	148 5.23
5	95 6.54

65° HIGH COMFORT MAJOR. DOWN



Luminous flux luminaire 5125 lm

Beam Angle: -	65°
h(m)	E(lx) D(m)
1	2962 1.31
2	740 2.61
3	329 3.92
4	185 5.23
5	118 6.54

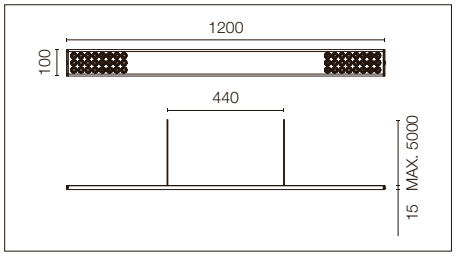
NEW

WORKMATES

Workmates Suspension Up&Down Smart

Light Source: Top LED High Efficiency: Casambi: Up 32,5W - Down 26W
Up: 4281 lm - 3000K/CRI 90 / 4339 lm - 3500K/CRI 90 / 4397 lm - 4000K/CRI 90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90







Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

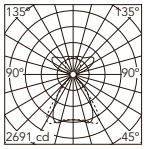
Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz de alta eficiencia. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Versión Smart con sensores de presencia y de luminosidad integrados. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6360.40.CB
- 05.6360.40.C6
- 05.6360.14.CB
- 05.6360.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7202 lm

Beam Angle: - 74°

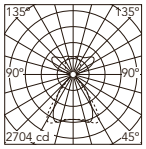
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

Casambi

- 05.6361.40.CB
- 05.6361.40.C6
- 05.6361.14.CB
- 05.6361.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7305 lm

Beam Angle: - 74°

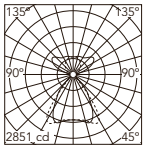
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

Casambi

- 05.6362.40.CB
- 05.6362.40.C6
- 05.6362.14.CB
- 05.6362.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 7633 lm

Beam Angle: - 74°

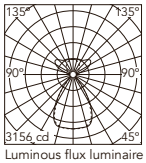
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic High Comfort - 3000K

Casambi

- 05.5860.40.CB
- 05.5860.40.C6
- 05.5860.14.CB
- 05.5860.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7085 lm

Beam Angle: - 65°

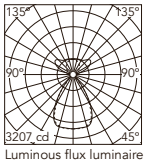
h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

Optic High Comfort - 3500K

Casambi

- 05.5861.40.CB
- 05.5861.40.C6
- 05.5861.14.CB
- 05.5861.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7200 lm

Beam Angle: - 65°

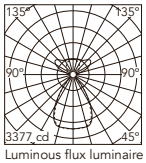
h(m)	E(lx)	D(m)
1	3203	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

Optic High Comfort - 4000K

Casambi

- 05.5862.40.CB
- 05.5862.40.C6
- 05.5862.14.CB
- 05.5862.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 7580 lm

Beam Angle: - 65°

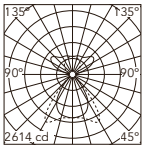
h(m)	E(lx)	D(m)
1	3372	1.31
2	843	2.61
3	375	3.92
4	211	5.23
5	135	6.54

Optic Oval - 3000K

Casambi

- 05.6365.40.CB
- 05.6365.40.C6
- 05.6365.14.CB
- 05.6365.AP.CB

81° OVAL



Luminous flux luminaire 7026 lm

Beam Angle: - 81°

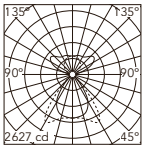
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic Oval - 3500K

Casambi

- 05.6366.40.CB
- 05.6366.40.C6
- 05.6366.14.CB
- 05.6366.AP.CB

81° OVAL



Luminous flux luminaire 7129 lm

Beam Angle: - 81°

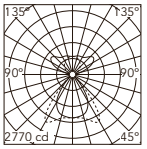
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic Oval - 4000K

Casambi

- 05.6367.40.CB
- 05.6367.40.C6
- 05.6367.14.CB
- 05.6367.AP.CB

81° OVAL



Luminous flux luminaire 7447 lm

Beam Angle: - 81°

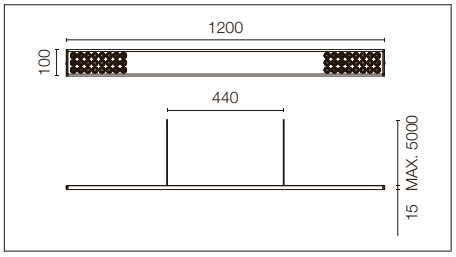
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

NEW

Workmates Suspension Up&Down Smart

Light Source: Top LED Full Spectrum: Casambi: Up 32,5W - Down 26W
Up: 4281 lm - 3000K/CRI 98 / 4339 lm - 3500K/CRI 98 / 4397 lm - 4000K/CRI 98
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98







Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. High-efficiency *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

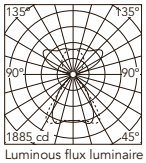
Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down Full Spectrum* de alta calidad en la reproducción cromática. Fuente de luz *Up* de alta eficiencia. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Versión Smart con sensores de presencia y de luminosidad integrados. Disponible módulo de unión mecánico para líneas modulares de varias unidades.
UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6370.40.CB
- 05.6370.40.C6
- 05.6370.14.CB
- 05.6370.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6274 lm

Beam Angle: - 75°

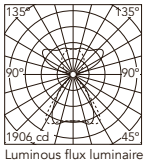
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 3500K

Casambi

- 05.6371.40.CB
- 05.6371.40.C6
- 05.6371.14.CB
- 05.6371.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6388 lm

Beam Angle: - 75°

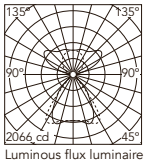
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

Optic Wide Flood - 4000K

Casambi

- 05.6372.40.CB
- 05.6372.40.C6
- 05.6372.14.CB
- 05.6372.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 6740 lm

Beam Angle: - 75°

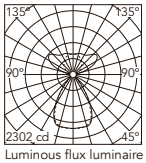
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic High Comfort - 3000K

Casambi

- 05.5870.40.CB
- 05.5870.40.C6
- 05.5870.14.CB
- 05.5870.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6198 lm

Beam Angle: - 65°

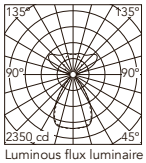
h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic High Comfort - 3500K

Casambi

- 05.5871.40.CB
- 05.5871.40.C6
- 05.5871.14.CB
- 05.5871.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6325 lm

Beam Angle: - 65°

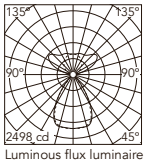
h(m)	E(lx)	D(m)
1	2346	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic High Comfort - 4000K

Casambi

- 05.5872.40.CB
- 05.5872.40.C6
- 05.5872.14.CB
- 05.5872.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6723 lm

Beam Angle: - 65°

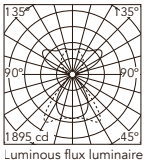
h(m)	E(lx)	D(m)
1	2494	1.31
2	624	2.61
3	277	3.92
4	156	5.23
5	100	6.54

Optic Oval - 3000K

Casambi

- 05.6375.40.CB
- 05.6375.40.C6
- 05.6375.14.CB
- 05.6375.AP.CB

82° OVAL



Luminous flux luminaire 6175 lm

Beam Angle: - 82°

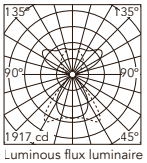
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic Oval - 3500K

Casambi

- 05.6376.40.CB
- 05.6376.40.C6
- 05.6376.14.CB
- 05.6376.AP.CB

82° OVAL



Luminous flux luminaire 6289 lm

Beam Angle: - 82°

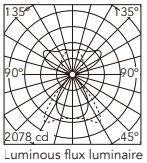
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic Oval - 4000K

Casambi

- 05.6377.40.CB
- 05.6377.40.C6
- 05.6377.14.CB
- 05.6377.AP.CB

82° OVAL



Luminous flux luminaire 6632 lm

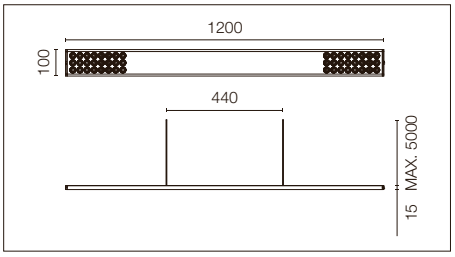
Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Workmates Suspension Up&Down Tunable White

Light Source: Top LED High Efficiency: Dali 2: Up 23W - Down 26W / Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90







Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency *Down* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz de *Down* de alta eficiencia. Fuente de luz *Up* de CCT variable *Tunable White*. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65°<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

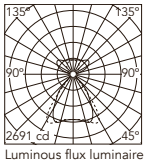
Dali 2

- 05.6380.40.DA
- 05.6380.40.YU
- 05.6380.14.DA
- 05.6380.AP.DA

Casambi

- 05.6380.40.CB
- 05.6380.40.C6
- 05.6380.14.CB
- 05.6380.AP.CB





Luminous flux luminaire
6426 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

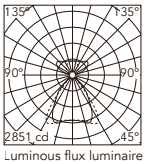
Dali 2

- 05.6382.40.DA
- 05.6382.40.YU
- 05.6382.14.DA
- 05.6382.AP.DA

Casambi

- 05.6382.40.CB
- 05.6382.40.C6
- 05.6382.14.CB
- 05.6382.AP.CB





Luminous flux luminaire
6740 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic Wide Flood - 3500K

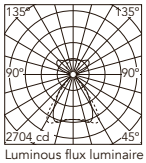
Dali 2

- 05.6381.40.DA
- 05.6381.40.YU
- 05.6381.14.DA
- 05.6381.AP.DA

Casambi

- 05.6381.40.CB
- 05.6381.40.C6
- 05.6381.14.CB
- 05.6381.AP.CB





Luminous flux luminaire
6500 lm

Beam Angle: - 74°

h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

NEW

Optic Oval - 3000K

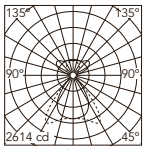
Dali 2

- 05.6385.40.DA
- 05.6385.40.YU
- 05.6385.14.DA
- 05.6385.AP.DA

Casambi

- 05.6385.40.CB
- 05.6385.40.C6
- 05.6385.14.CB
- 05.6385.AP.CB

81°
OVAL



Luminous flux luminaire
6250 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic High Comfort - 3000K

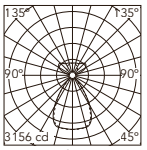
Dali 2

- 05.5880.40.DA
- 05.5880.40.YU
- 05.5880.14.DA
- 05.5880.AP.DA

Casambi

- 05.5880.40.CB
- 05.5880.40.C6
- 05.5880.14.CB
- 05.5880.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
6311 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

Optic Oval - 3500K

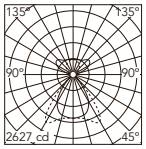
Dali 2

- 05.6386.40.DA
- 05.6386.40.YU
- 05.6386.14.DA
- 05.6386.AP.DA

Casambi

- 05.6386.40.CB
- 05.6386.40.C6
- 05.6386.14.CB
- 05.6386.AP.CB

81°
OVAL



Luminous flux luminaire
6324 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic High Comfort - 3500K

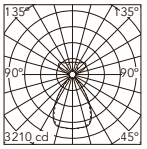
Dali 2

- 05.5881.40.DA
- 05.5881.40.YU
- 05.5881.14.DA
- 05.5881.AP.DA

Casambi

- 05.5881.40.CB
- 05.5881.40.C6
- 05.5881.14.CB
- 05.5881.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
6418 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3205	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

Optic Oval - 4000K

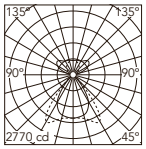
Dali 2

- 05.6387.40.DA
- 05.6387.40.YU
- 05.6387.14.DA
- 05.6387.AP.DA

Casambi

- 05.6387.40.CB
- 05.6387.40.C6
- 05.6387.14.CB
- 05.6387.AP.CB

81°
OVAL



Luminous flux luminaire
6554 lm

Beam Angle: - 81°

h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

Optic High Comfort - 4000K

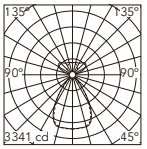
Dali 2

- 05.5882.40.DA
- 05.5882.40.YU
- 05.5882.14.DA
- 05.5882.AP.DA

Casambi

- 05.5882.40.CB
- 05.5882.40.C6
- 05.5882.14.CB
- 05.5882.AP.CB

65°
HIGH
COMFORT



Luminous flux luminaire
6680 lm

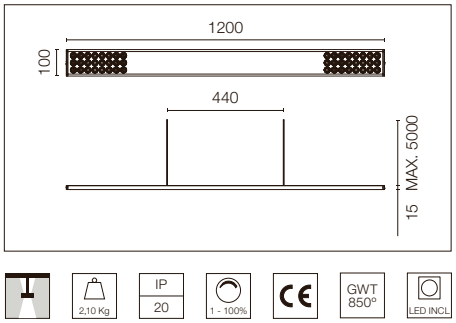
Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	3336	1.31
2	834	2.61
3	371	3.92
4	208	5.23
5	133	6.54

Workmates Suspension Up&Down Tunable White

Light Source: Top LED Full Spectrum: Dali 2: Up 23W - Down 26W / Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98





Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65°<3000 compliant. Casambi, maximum distance between fixtures: 50m.

Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down Full Spectrum* de alta calidad en la reproducción cromática. Fuente de luz *Up* de CCT variable *Tunable White*. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Disponible módulo de unión mecánico para líneas modulares de varias unidades.
UGR<19. Conforme a la norma EN12464 - cd/m² @ 65°<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

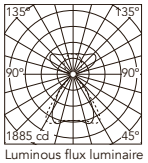
Dali 2

- 05.6390.40.DA
- 05.6390.40.YU
- 05.6390.14.DA
- 05.6390.AP.DA

Casambi

- 05.6390.40.CB
- 05.6390.40.C6
- 05.6390.14.CB
- 05.6390.AP.CB





Luminous flux luminaire
5498 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 4000K

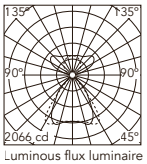
Dali 2

- 05.6392.40.DA
- 05.6392.40.YU
- 05.6392.14.DA
- 05.6392.AP.DA

Casambi

- 05.6392.40.CB
- 05.6392.40.C6
- 05.6392.14.CB
- 05.6392.AP.CB





Luminous flux luminaire
5847 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic Wide Flood - 3500K

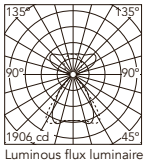
Dali 2

- 05.6391.40.DA
- 05.6391.40.YU
- 05.6391.14.DA
- 05.6391.AP.DA

Casambi

- 05.6391.40.CB
- 05.6391.40.C6
- 05.6391.14.CB
- 05.6391.AP.CB





Luminous flux luminaire
5583 lm

Beam Angle: - 75°

h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

NEW

Optic Oval - 3000K

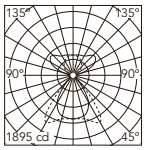
Dali 2

- 05.6395.40.DA
- 05.6395.40.YU
- 05.6395.14.DA
- 05.6395.AP.DA

Casambi

- 05.6395.40.CB
- 05.6395.40.C6
- 05.6395.14.CB
- 05.6395.AP.CB





Luminous flux luminaire
5399 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic High Comfort - 3000K

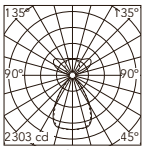
Dali 2

- 05.5890.40.DA
- 05.5890.40.YU
- 05.5890.14.DA
- 05.5890.AP.DA

Casambi

- 05.5890.40.CB
- 05.5890.40.C6
- 05.5890.14.CB
- 05.5890.AP.CB





Luminous flux luminaire
5423 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic Oval - 3500K

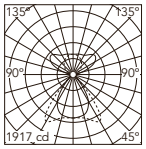
Dali 2

- 05.6396.40.DA
- 05.6396.40.YU
- 05.6396.14.DA
- 05.6396.AP.DA

Casambi

- 05.6396.40.CB
- 05.6396.40.C6
- 05.6396.14.CB
- 05.6396.AP.CB





Luminous flux luminaire
5484 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic High Comfort - 3500K

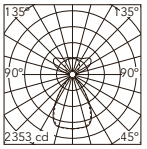
Dali 2

- 05.5891.40.DA
- 05.5891.40.YU
- 05.5891.14.DA
- 05.5891.AP.DA

Casambi

- 05.5891.40.CB
- 05.5891.40.C6
- 05.5891.14.CB
- 05.5891.AP.CB





Luminous flux luminaire
5542 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	2350	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic Oval - 4000K

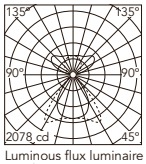
Dali 2

- 05.6397.40.DA
- 05.6397.40.YU
- 05.6397.14.DA
- 05.6397.AP.DA

Casambi

- 05.6397.40.CB
- 05.6397.40.C6
- 05.6397.14.CB
- 05.6397.AP.CB





Luminous flux luminaire
5739 lm

Beam Angle: - 82°

h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Optic High Comfort - 4000K

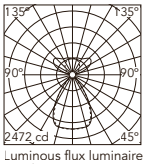
Dali 2

- 05.5892.40.DA
- 05.5892.40.YU
- 05.5892.14.DA
- 05.5892.AP.DA

Casambi

- 05.5892.40.CB
- 05.5892.40.C6
- 05.5892.14.CB
- 05.5892.AP.CB





Luminous flux luminaire
5822 lm

Beam Angle: - 65°

h(m)	E(lx)	D(m)
1	2469	1.31
2	617	2.61
3	274	3.92
4	154	5.23
5	99	6.54

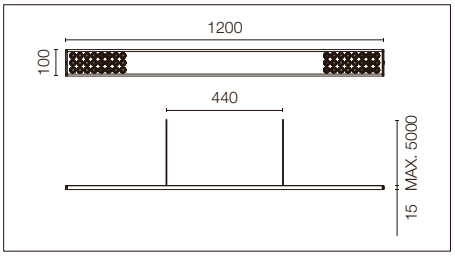
NEW

WORKMATES

Workmates Suspension Up&Down Tunable White Smart

Light Source: Top LED High Efficiency: Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 4061 lm - 3000K/CRI 90 / 4090 lm - 3500K/CRI 90 / 4157 lm - 4000K/CRI 90







Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency *Down* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

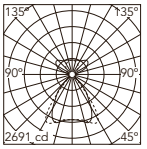
Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz de *Down* de alta eficiencia. Fuente de luz *Up* de CCT variable *Tunable White*. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Versión Smart con sensores de presencia y de luminosidad integrados. Disponible módulo de unión mecánico para líneas modulares de varias unidades. UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6400.40.CB
- 05.6400.40.C6
- 05.6400.14.CB
- 05.6400.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6426 lm

Beam Angle: - 74°

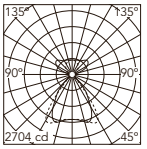
h(m)	E(lx)	D(m)
1	2249	1.49
2	562	2.99
3	250	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 3500K

Casambi

- 05.6401.40.CB
- 05.6401.40.C6
- 05.6401.14.CB
- 05.6401.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6500 lm

Beam Angle: - 74°

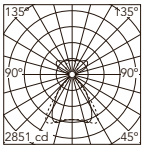
h(m)	E(lx)	D(m)
1	2259	1.49
2	565	2.99
3	251	4.48
4	141	5.97
5	90	7.46

Optic Wide Flood - 4000K

Casambi

- 05.6402.40.CB
- 05.6402.40.C6
- 05.6402.14.CB
- 05.6402.AP.CB

74° WIDE FLOOD



Luminous flux luminaire 6740 lm

Beam Angle: - 74°

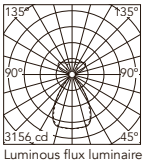
h(m)	E(lx)	D(m)
1	2382	1.49
2	596	2.99
3	265	4.48
4	149	5.97
5	95	7.46

Optic High Comfort - 3000K

Casambi

- 05.5900.40.CB
- 05.5900.40.C6
- 05.5900.14.CB
- 05.5900.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6311 lm

Beam Angle: - 65°

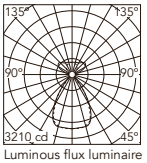
h(m)	E(lx)	D(m)
1	3152	1.31
2	788	2.61
3	350	3.92
4	197	5.23
5	126	6.54

Optic High Comfort - 3500K

Casambi

- 05.5901.40.CB
- 05.5901.40.C6
- 05.5901.14.CB
- 05.5901.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6418 lm

Beam Angle: - 65°

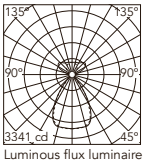
h(m)	E(lx)	D(m)
1	3205	1.31
2	801	2.61
3	356	3.92
4	200	5.23
5	128	6.54

Optic High Comfort - 4000K

Casambi

- 05.5902.40.CB
- 05.5902.40.C6
- 05.5902.14.CB
- 05.5902.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 6680 lm

Beam Angle: - 65°

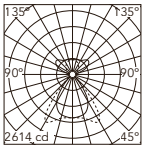
h(m)	E(lx)	D(m)
1	3336	1.31
2	834	2.61
3	371	3.92
4	208	5.23
5	133	6.54

Optic Oval - 3000K

Casambi

- 05.6405.40.CB
- 05.6405.40.C6
- 05.6405.14.CB
- 05.6405.AP.CB

81° OVAL



Luminous flux luminaire 6250 lm

Beam Angle: - 81°

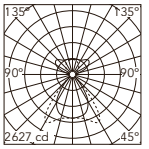
h(m)	E(lx)	D(m)
1	2095	1.42
2	524	2.85
3	233	4.27
4	131	5.70
5	84	7.12

Optic Oval - 3500K

Casambi

- 05.6406.40.CB
- 05.6406.40.C6
- 05.6406.14.CB
- 05.6406.AP.CB

81° OVAL



Luminous flux luminaire 6324 lm

Beam Angle: - 81°

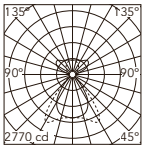
h(m)	E(lx)	D(m)
1	2105	1.42
2	526	2.85
3	234	4.27
4	132	5.70
5	84	7.12

Optic Oval - 4000K

Casambi

- 05.6407.40.CB
- 05.6407.40.C6
- 05.6407.14.CB
- 05.6407.AP.CB

81° OVAL



Luminous flux luminaire 6554 lm

Beam Angle: - 81°

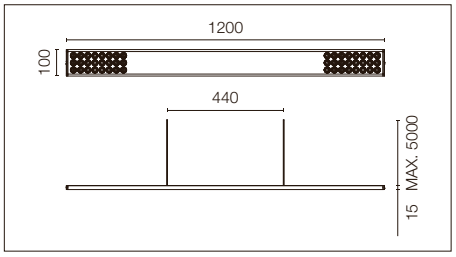
h(m)	E(lx)	D(m)
1	2220	1.42
2	555	2.85
3	247	4.27
4	139	5.70
5	89	7.12

NEW

Workmates Suspension Up&Down Tunable White Smart

Light Source: Top LED Full Spectrum: Casambi: Up 21,5W - Down 26W
Up: 3619 lm - 2700K-5700K/CRI90
Down: 2976 lm - 3000K/CRI 98 / 3005 lm - 3500K/CRI 98 / 3034 lm - 4000K/CRI 98







Suspension luminaire. *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering *Down Full Spectrum* light source. *Tunable White* variable CCT *Up* light source. Driver not included (accessory kit for remote or surface driver). Adjustable suspension height. Smart version with integrated presence detection and brightness sensors. Mechanical union module available for modular lines for various units. UGR<19. EN12464 - cd/m² @ 65º<3000 compliant. Casambi, maximum distance between fixtures: 50m.

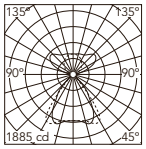
Luminaria de suspensión. Emisión *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down Full Spectrum* de alta calidad en la reproducción cromática. Fuente de luz *Up* de CCT variable *Tunable White*. Driver no incluido (Kit accesorio para driver remoto o de superficie). Altura de suspensión ajustable. Versión Smart con sensores de presencia y de luminosidad integrados. Disponible módulo de unión mecánico para líneas modulares de varias unidades.
UGR<19. Conforme a la norma EN12464 - cd/m² @ 65º<3000. Casambi, distancia máxima entre luminarias: 50m.

Optic Wide Flood - 3000K

Casambi

- 05.6410.40.CB
- 05.6410.40.C6
- 05.6410.14.CB
- 05.6410.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5498 lm

Beam Angle: - 75°

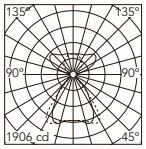
h(m)	E(lx)	D(m)
1	1607	1.49
2	402	2.97
3	179	4.46
4	100	5.95
5	64	7.43

Optic Wide Flood - 3500K

Casambi

- 05.6411.40.CB
- 05.6411.40.C6
- 05.6411.14.CB
- 05.6411.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5583 lm

Beam Angle: - 75°

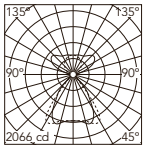
h(m)	E(lx)	D(m)
1	1624	1.49
2	406	2.97
3	180	4.46
4	102	5.95
5	65	7.43

Optic Wide Flood - 4000K

Casambi

- 05.6412.40.CB
- 05.6412.40.C6
- 05.6412.14.CB
- 05.6412.AP.CB

75° WIDE FLOOD



Luminous flux luminaire 5847 lm

Beam Angle: - 75°

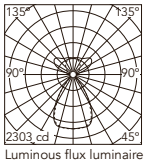
h(m)	E(lx)	D(m)
1	1761	1.49
2	440	2.97
3	196	4.46
4	110	5.95
5	70	7.43

Optic High Comfort - 3000K

Casambi

- 05.5910.40.CB
- 05.5910.40.C6
- 05.5910.14.CB
- 05.5910.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5423 lm

Beam Angle: - 65°

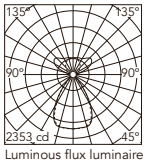
h(m)	E(lx)	D(m)
1	2299	1.31
2	575	2.61
3	255	3.92
4	144	5.23
5	92	6.54

Optic High Comfort - 3500K

Casambi

- 05.5911.40.CB
- 05.5911.40.C6
- 05.5911.14.CB
- 05.5911.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5542 lm

Beam Angle: - 65°

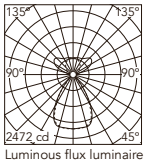
h(m)	E(lx)	D(m)
1	2350	1.31
2	587	2.61
3	261	3.92
4	147	5.23
5	94	6.54

Optic High Comfort - 4000K

Casambi

- 05.5912.40.CB
- 05.5912.40.C6
- 05.5912.14.CB
- 05.5912.AP.CB

65° HIGH COMFORT



Luminous flux luminaire 5822 lm

Beam Angle: - 65°

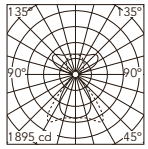
h(m)	E(lx)	D(m)
1	2469	1.31
2	617	2.61
3	274	3.92
4	154	5.23
5	99	6.54

Optic Oval - 3000K

Casambi

- 05.6415.40.CB
- 05.6415.40.C6
- 05.6415.14.CB
- 05.6415.AP.CB

82° OVAL



Luminous flux luminaire 5399 lm

Beam Angle: - 82°

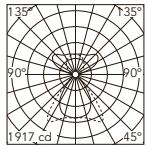
h(m)	E(lx)	D(m)
1	1530	1.43
2	383	2.86
3	170	4.28
4	96	5.71
5	61	7.14

Optic Oval - 3500K

Casambi

- 05.6416.40.CB
- 05.6416.40.C6
- 05.6416.14.CB
- 05.6416.AP.CB

82° OVAL



Luminous flux luminaire 5484 lm

Beam Angle: - 82°

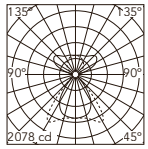
h(m)	E(lx)	D(m)
1	1548	1.43
2	387	2.86
3	172	4.28
4	97	5.71
5	62	7.14

Optic Oval - 4000K

Casambi

- 05.6417.40.CB
- 05.6417.40.C6
- 05.6417.14.CB
- 05.6417.AP.CB

82° OVAL



Luminous flux luminaire 5739 lm

Beam Angle: - 82°

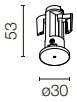
h(m)	E(lx)	D(m)
1	1678	1.43
2	419	2.86
3	186	4.28
4	105	5.71
5	67	7.14

Accessories / Accesorios

Remote Power Supply Kit / Kit de fuente de alimentación en remoto

Accessory kit for remote driver.
Driver Included.

Kit accesorio para driver remoto.
Driver incluido.





Down
Non Dimming
08.0900.40
08.0900.14
08.0900.AP

Up&Down (Up / Down)
Non Dimming*
08.0901.40
08.0901.14
08.0901.AP

Up&Down Tunable White
Dali 2
08.0905.40
08.0905.14
08.0905.AP

Dali 2
08.0903.40
08.0903.14
08.0903.AP

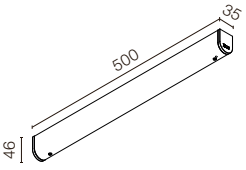
Dali 2
08.0904.40
08.0904.14
08.0904.AP

All Models
Casambi
08.0906.40
08.0906.14
08.0906.AP

Surface Power Supply Kit / Kit de fuente de alimentación en superficie

Accessory kit for surface driver.
Driver Included.

Kit de accesorios para driver en superficie. Driver incluido.



Down
Non Dimming
08.0910.40
08.0910.14
08.0910.AP

Up&Down (Up / Down)
Non Dimming*
08.0911.40
08.0911.14
08.0911.AP

Up&Down Tunable White
Dali 2
08.0915.40
08.0915.14
08.0915.AP

Dali 2
08.0913.40
08.0913.14
08.0913.AP

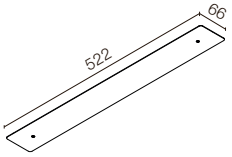
Dali 2
08.0914.40
08.0914.14
08.0914.AP

All Models
Casambi
08.0915.40
08.0915.14
08.0915.AP

Recessed Power Supply Kit / Kit de fuente de alimentación empotrable

Accessory kit for recessed driver.
Driver Included.

Kit de accesorios para driver empotrable. Driver incluido.





Down
Non Dimming
08.0920.40
08.0920.14
08.0920.AP

Up&Down (Up / Down)
Non Dimming*
08.0921.40
08.0921.14
08.0921.AP

Up&Down Tunable White
Dali 2
08.0925.40
08.0925.14
08.0925.AP

Dali 2
08.0923.40
08.0923.14
08.0923.AP

Dali 2
08.0924.40
08.0924.14
08.0924.AP

All Models
Casambi
08.0925.40
08.0925.14
08.0925.AP

Remote

White Black Anodized Silver



Surface

White Black Anodized Silver



Recessed

White Black Anodized Silver



* This accessory allows you to adjust two flow ratios (Up / Down: 70/30 or 40/60) depending on how the controller is connected. Please consult the instructions for further details.
Este accesorio le permite ajustar dos proporciones de flujo (Arriba / Abajo: 70/30 o 40/60) dependiendo de cómo se conecte el controlador. Por favor, consulta las instrucciones para más detalles.

NEW

Suspension · Interconnection Accessories / Accesorios de interconexión

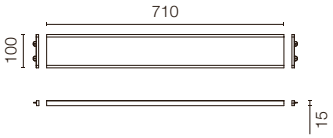
The Workmates suspension versions come with a mechanical union accessory for the installation of various units in continuous lines.

Las versiones de suspensión de Workmates disponen de un accesorio de unión mecánico para implementar varias unidades en líneas continuas.

Mechanical profile for Workmates Suspension. Connection joints included.

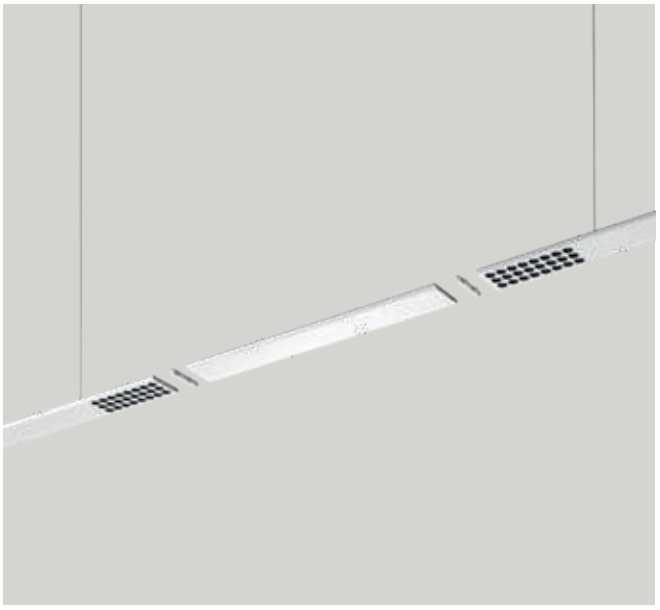
Perfil mecánico para Workmates Suspension. Uniones de interconexión incluidas.





06.0436.40
06.0436.14
06.0436.AP

Interconnection Example / Ejemplo de interconexión



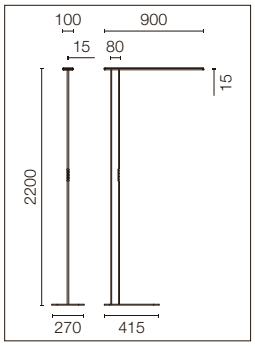
Interconnection Detail / Detalle de interconexión



Workmates Floor Single

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad.
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

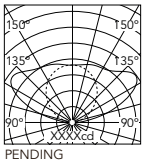
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

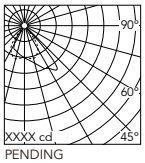
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

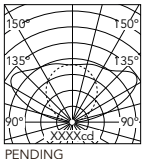
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

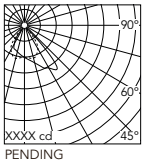
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

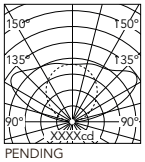
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

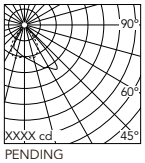
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

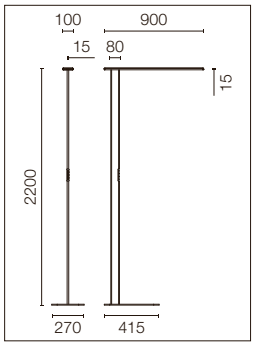
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

PRE LIMI NARY

Workmates Floor Single

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included.
Casambi wireless control and integrated manual *Touch Dimming* capacitive keypad.
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido.
Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

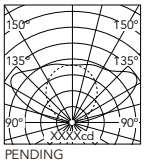
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

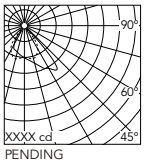
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

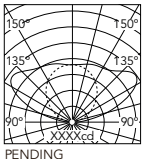
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

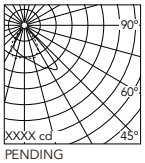
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

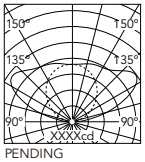
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

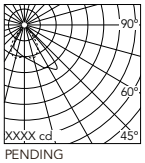
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



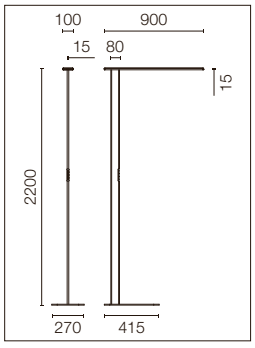
PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Workmates Floor Single Smart

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. EN12464 - cd/m² @ 65º<3000 compliant.

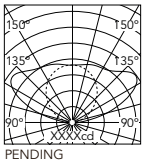
Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido. Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

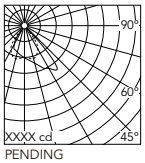
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

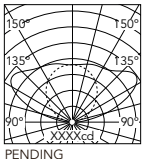
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

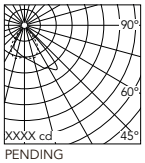
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

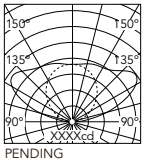
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

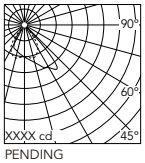
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

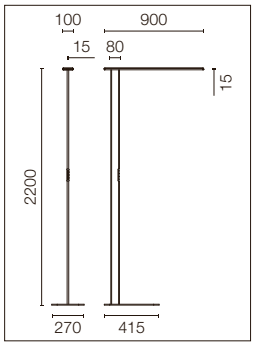
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

PRE LIMI NARY

Workmates Floor Single Smart

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included.
Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control.
EN12464 - cd/m² @ 65º<3000 compliant.

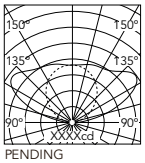
Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido.
Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

Coming Soon
Coming Soon
Coming Soon

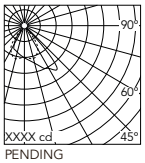
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

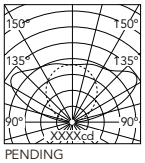
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

Casambi

Coming Soon
Coming Soon
Coming Soon

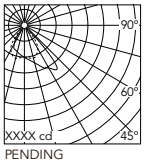
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

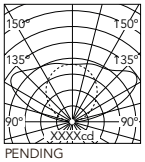
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

Casambi

Coming Soon
Coming Soon
Coming Soon

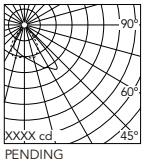
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



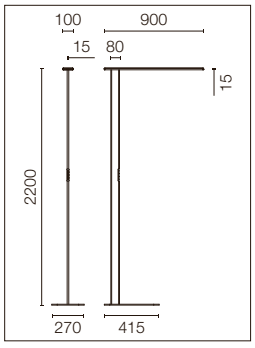
PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Workmates Floor Single Tunable White

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

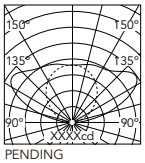
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

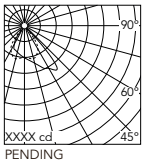
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

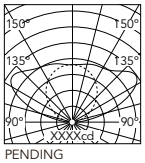
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

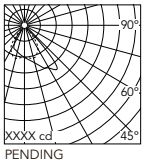
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

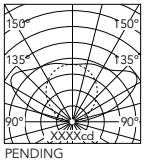
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

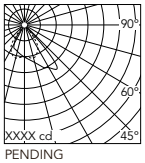
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

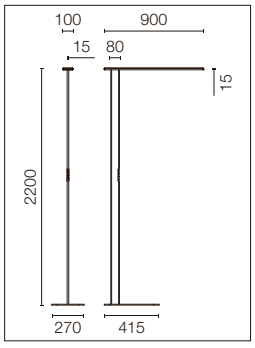
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

PRE LIMI NARY

Workmates Floor Single Tunable White

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

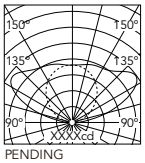
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

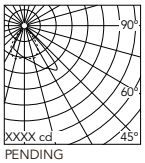
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

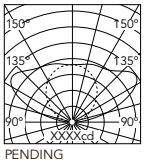
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

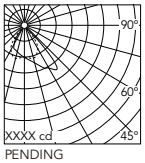
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

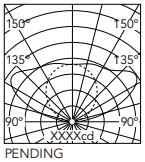
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

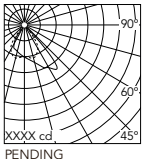
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



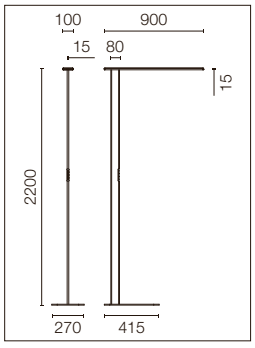
PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Workmates Floor Single Tunable White Smart

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control.
EN12464 - cd/m² @ 65º<3000 compliant.

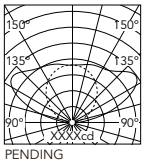
Luminaria de pie. Emisión simple *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

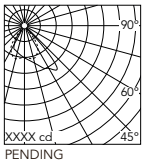
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

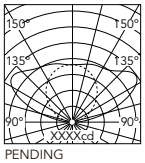
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

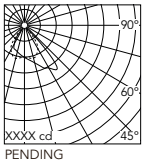
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

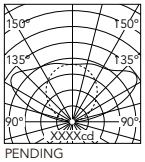
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

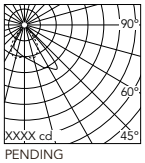
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

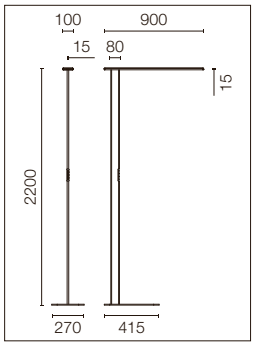
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

PRE LIMI NARY

Workmates Floor Single Tunable White Smart

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Simple *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. EN12464 - cd/m² @ 65º<3000 compliant.

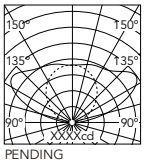
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Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

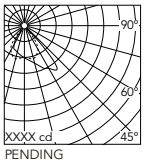
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

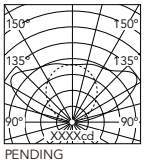
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

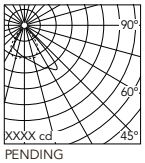
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

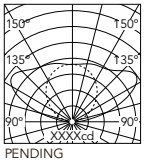
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

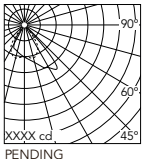
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



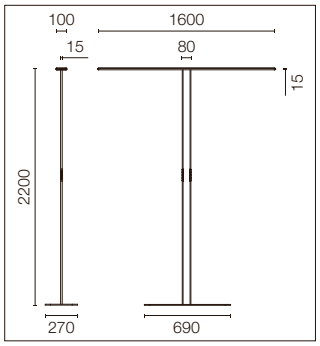
PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Workmates Floor Double

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad.
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

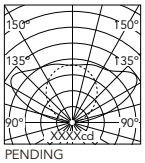
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

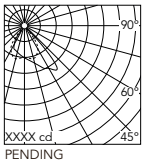
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

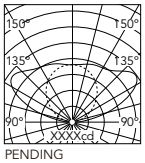
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

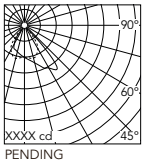
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

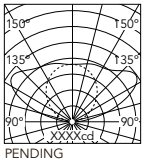
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

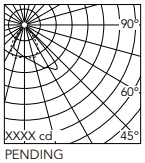
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

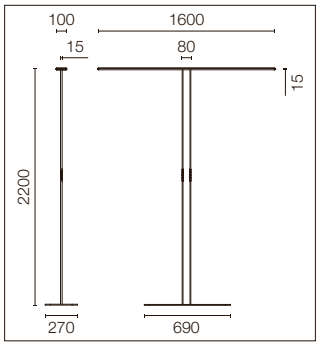
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

PRE LIMI NARY

Workmates Floor Double

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included.
Casambi wireless control and integrated manual *Touch Dimming* capacitive keypad.
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido.
Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

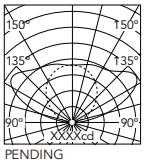
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

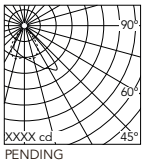
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

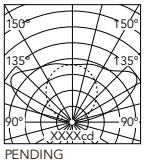
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

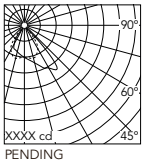
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

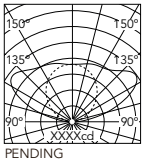
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

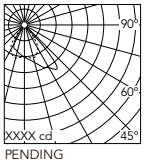
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



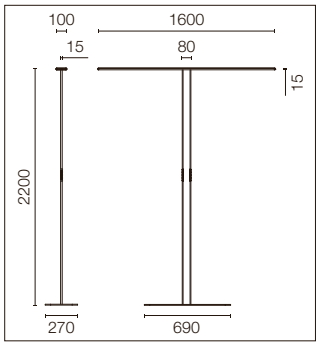
PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Workmates Floor Double Smart

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. EN12464 - cd/m² @ 65º<3000 compliant.

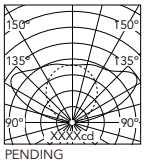
Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido. Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

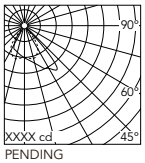
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

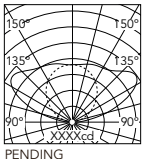
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

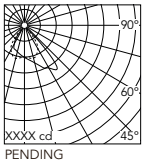
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

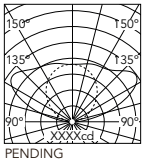
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

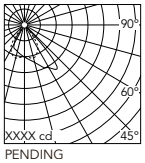
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

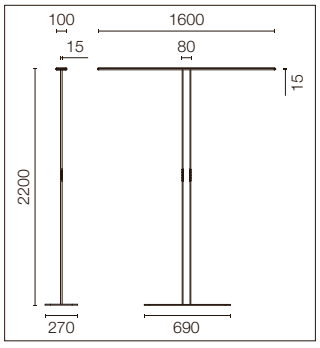
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

PRE LIMI NARY

Workmates Floor Double Smart

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. High-efficiency *Up* light source. Driver and wall plug, included.
Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control.
EN12464 - cd/m² @ 65º<3000 compliant.

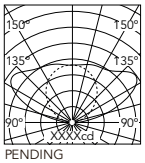
Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de alta eficiencia. Driver y enchufe a pared, incluido.
Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

Coming Soon
Coming Soon
Coming Soon

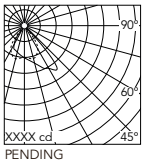
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

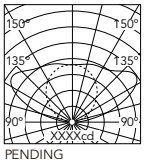
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

Coming Soon
Coming Soon
Coming Soon

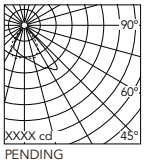
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

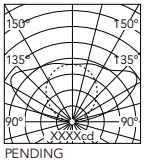
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

Coming Soon
Coming Soon
Coming Soon

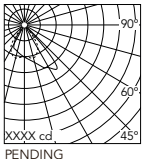
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



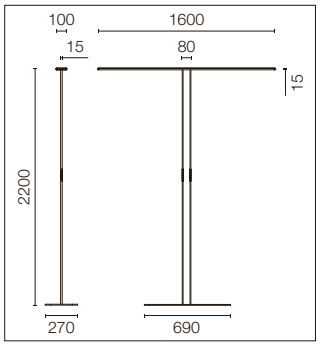
PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Workmates Floor Double Tunable White

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad. EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada. Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

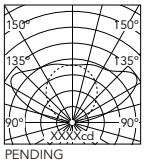
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

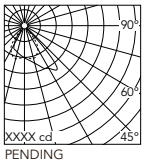
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

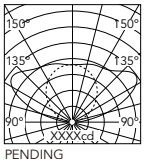
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

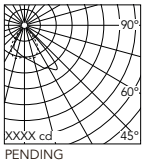
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

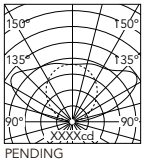
Touch Dimming

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

Casambi

- ☐ Coming Soon
- ◪ Coming Soon
- ■ Coming Soon

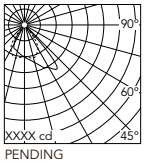
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

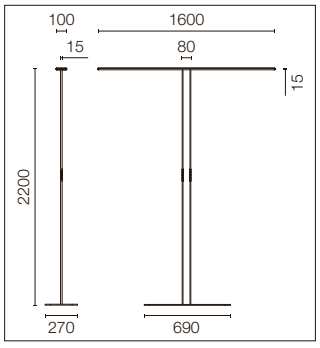
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

PRE LIMI NARY

Workmates Floor Double Tunable White

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. *Casambi* wireless control and integrated manual *Touch Dimming* capacitive keypad
EN12464 - cd/m² @ 65º<3000 compliant.

Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Control inalámbrico *Casambi* y por botonera capacitiva *Touch Dimming* manual integrada.
Conforme a la norma
EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

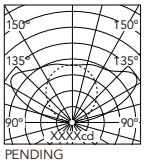
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

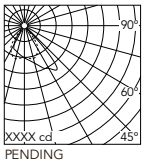
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

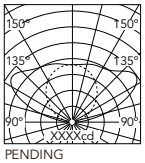
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

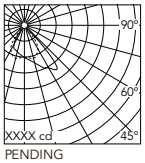
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

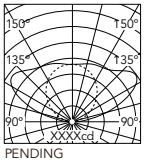
Touch Dimming

- Coming Soon
- Coming Soon
- Coming Soon

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

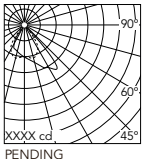
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



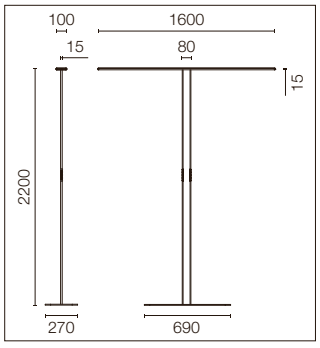
PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Workmates Floor Double Tunable White Smart

Coming Soon: Down: High Efficiency
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-efficiency, perfectly homogeneous asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control.
EN12464 - cd/m² @ 65º<3000 compliant.

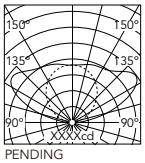
Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica de alta eficiencia y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

Coming Soon
Coming Soon
Coming Soon

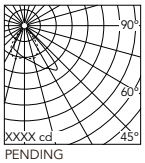
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

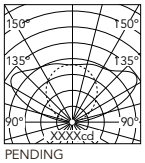
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 3500K

Casambi

Coming Soon
Coming Soon
Coming Soon

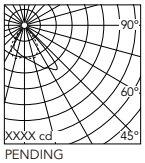
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

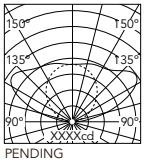
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

Optic Asymmetrical - 4000K

Casambi

Coming Soon
Coming Soon
Coming Soon

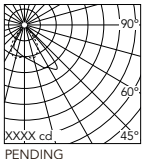
EXTRA WIDE FLOOD



PENDING

Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

ASYMM.



PENDING

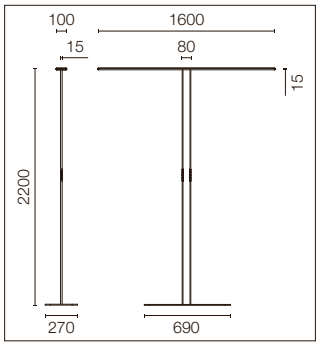
Beam Angle:		XX°
h(m)	E(lx)	D(m)
1	XXX	XX
2	XXX	XX
3	XXX	XX
4	XXX	XX
5	XXX	XX

PRE LIMI NARY

Workmates Floor Double Tunable White Smart

Coming Soon: Down: Full Spectrum
Up: High Efficiency





Freestanding luminaire. Double *Up&Down* emission, with greater light flux amounts in the upper part. High-quality colour rendering, perfectly homogeneous *Full Spectrum* asymmetric *Down* light source on the functional plane at distances of *Up* to 2 meters. *Tunable White* variable CCT *Up* light source. Driver and wall plug, included. Smart version with integrated presence detection and brightness sensors. *Casambi* wireless control. EN12464 - cd/m² @ 65º<3000 compliant.

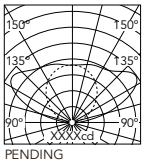
Luminaria de pie. Emisión doble *Up&Down*, con mayor cantidad de flujo lumínico en la parte superior. Fuente de luz *Down* asimétrica *Full Spectrum* de alta calidad en la reproducción cromática y homogeneidad perfecta en el plano funcional desplazado hasta 2 metros. Fuente de luz *Up* de CCT variable *Tunable White*. Driver y enchufe a pared, incluido. Versión Smart con sensores de presencia y de luminosidad integrados. Control inalámbrico *Casambi*.
Conforme a la norma EN12464 - cd/m² @ 65º<3000.

Optic Asymmetrical - 3000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

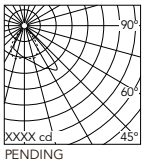
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

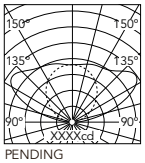
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 3500K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

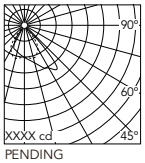
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.



PENDING

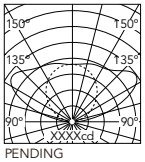
Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

Optic Asymmetrical - 4000K

Casambi

- Coming Soon
- Coming Soon
- Coming Soon

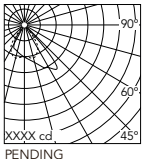
EXTRA WIDE FLOOD



PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

ASYMM.

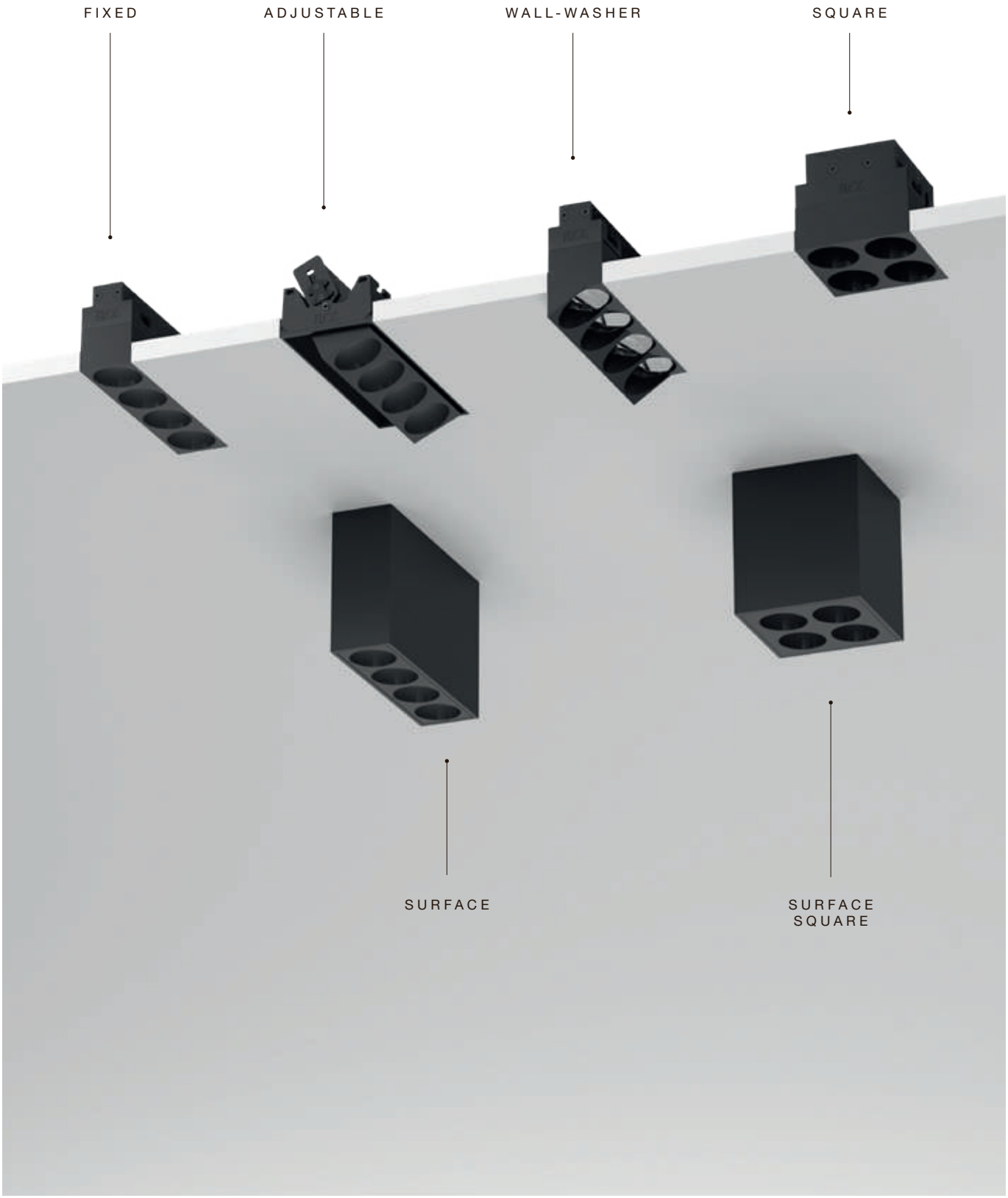


PENDING

Beam Angle:	XX°
h(m)	E(lx) D(m)
1	XXX XX
2	XXX XX
3	XXX XX
4	XXX XX
5	XXX XX

LIGHT SHADOW

DESIGNED BY FLOS ARCHITECTURAL



Description
Indoor, embedded and surface luminaires.
Due to their main qualities (reduced size, high performance and great screening), they facilitate total integration into spaces.
The family was born of the need for a compact, easy-to-install luminaire, with the distinctive Flos style, able to produce high efficiency lighting, while respecting the highest standards of visual comfort, in versions with black screening bodies.
- Fixed and adjustable embedded versions: 2/4/8/12 spots (Trim/No Trim).
- Fixed surface versions: 4 spots.
- Wall-washer version: 4 spots (Trim / No Trim).
The family is offered with super accented, accented and general lighting optics.
For solutions in more decorative settings, the following range of colours has been developed, with a combination of interior and exterior painted finishes:
- exterior finishes: black and white.
- interior finishes: white, steel, bronze, copper and black (high comfort optics).
- outdoor box surface version: black, white, brushed steel, brushed bronze, brushed copper and teak.

Power Supply
DALI, Mains Dim and Casambi versions available. See models.
Versions with 110V equipment available upon request.

Accessories
For the No Trim version, pre-installation frame in aluminium for false ceiling installation. It needs to be ordered separately (not necessary for Trim version).

Additional Information
No Trim version has been designed for 12.5 mm thick plasterboard installation.
IP20, IP23, IP44, IP55 protection grade depending on the versions.
Insulation class II.
Suitable for installation on normally inflammable surfaces.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminarias de interior, empotrables y de superficie.
Debido a sus principales cualidades: reducido tamaño, rendimiento y gran apantallamiento, facilitan su total integración en espacios.
La familia nace de la necesidad de una luminaria compacta y de fácil instalación, con el estilo distintivo de Flos, capaz de producir una iluminación de alta eficiencia y respetando a su vez los más altos estándares de confort visual, en versiones con cuerpos de apantantallamiento negros.
- Versiones empotrables fijas y ajustables: 2/4/8/12 spots (Trim / No Trim).
- Versiones fijas de superficie: 4 spots.
- Versión wall-washer: 4 spots (Trim / No Trim).
La familia se ofrece con ópticas de súper acento, acento e iluminación general.
Para dar soluciones en ambientes más decorativos se ha desarrollado la siguiente gama de colores con combinación de acabados pintados exteriores e interiores:
- acabados exteriores: blanco y negro.
- acabados interiores: blanco, acero, bronce, cobre y negro (alto confort óptico).
- box exterior de la versión de superficie: blanco, negro acero cepillado, bronce cepillado, cobre cepillado y teka.

Unidades de Alimentación
Versiones dimmables DALI, Mains Dim y Casambi disponibles. Ver modelos.
Versiones con equipo 110V disponibles bajo pedido.

Accesorios
Para la versión No Trim, necesario marco de pre-instalación realizado en aluminio para su instalación en falso techo. Ha de pedirse por separado (no es necesario para la versión Trim).

Información Adicional
La versión No Trim se ha diseñado para una instalación en placas de cartón yeso de un espesor de 12,5 mm.
Índice de protección IP20, IP23, IP44, IP55 según las versiones.
Clase de aislamiento II.
Instalable sobre superficies normalmente inflamables.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Trim | No Trim | Surface | Continuous Line

FIXED
TRIM/NO TRIM
2 SPOTS*



ADJUSTABLE
TRIM/NO TRIM
2 SPOTS*



FIXED
TRIM/NO TRIM
4 SPOTS



ADJUSTABLE
TRIM / NO TRIM
4 SPOTS



FIXED
TRIM/NO TRIM
4 SPOTS SQUARE



FIXED
TRIM/NO TRIM
8 SPOTS**



ADJUSTABLE
TRIM/NO TRIM
8 SPOTS**



FIXED
TRIM/NO TRIM
12 SPOTS**



ADJUSTABLE
TRIM/NO TRIM
12 SPOTS**



WALL-WASHER
TRIM/NO TRIM
4 SPOTS



SURFACE
4 SPOTS



SURFACE
4 SPOTS SQUARE**



LIGHT SOURCE
POWER LED
No dimmable/Dimmable
2,7W x Spot
270 lm x Spot
2700K/CRI 90
285 lm x Spot
3000K/CRI 90

LIGHT SOURCE
POWER LED
*No dimmable/Dimmable
3,5W x Spot
270 lm x Spot
2700K/CRI 90
285 lm x Spot
3000K/CRI 90

LIGHT SOURCE
POWER LED
**Mains dimming
2,3W x Spot
225 lm x Spot
2700K/CRI 90
238 lm x Spot
3000K/CRI 90

Internal Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

HIGH COMFORT

White
Blanco



Black
Negro



Copper
Cobre



Steel
Acero



Bronze
Bronce



External Plate Finish

Light Shadow Fixed / Fixed Square
Adjustable / Surface / Surface Square

White
Blanco



Black
Negro



External Plate Finish

Light Shadow Wall-Washer

White
Blanco



Black
Negro



Box Finish

Light Shadow Surface / Surface Square

White
Blanco



Black
Negro



Brushed Copper
Cobre Cepillado



Brushed Steel
Acero Cepillado



Brushed Bronze
Bronce Cepillado



Teak
Teca



Light Shadow for The Running Magnet

LIGHT SHADOW



LIGHT SHADOW
WALL-WASHER

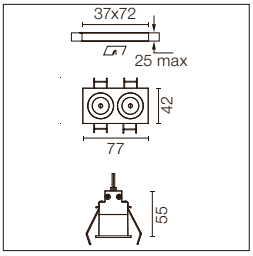


See The Running Magnet collection / Ver la colección The Running Magnet

Light Shadow Fixed Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90





GWT 850°

IP 55

0,25 Kg

h=150 min

10 - 100% DALI

LED INCL.

Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

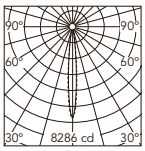
E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8820.40A
03.8820.14A
Dali Version
03.8820.40BDA
03.8820.14BDA
Mains Dimming
03.8820.40ANI
03.8820.14ANI
Casambi
03.8820.40ACB
03.8820.14ACB
Non Dimmable
03.8821.40A
03.8821.14A
Dali Version
03.8821.40BDA
03.8821.14BDA
Mains Dimming
03.8821.40ANI
03.8821.14ANI
Casambi
03.8821.40ACB
03.8821.14ACB
Non Dimmable
05.1000.40A
05.1000.14A
Dali Version
05.1000.40BDA
05.1000.14BDA
Mains Dimming
05.1000.40ANI
05.1000.14ANI
Casambi
05.1000.40ACB
05.1000.14ACB
Non Dimmable
05.1001.40A
05.1001.14A
Dali Version
05.1001.40BDA
05.1001.14BDA
Mains Dimming
05.1001.40ANI
05.1001.14ANI
Casambi
05.1001.40ACB
05.1001.14ACB
Non Dimmable
05.1002.40A
05.1002.14A
Dali Version
05.1002.40BDA
05.1002.14BDA
Mains Dimming
05.1002.40ANI
05.1002.14ANI
Casambi
05.1002.40ACB
05.1002.14ACB

10° SPOT



Luminous flux luminaire 453 lm (EXTREME CUT OFF)

@White (40)

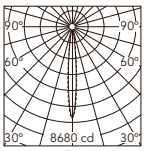
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8286	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

Optic Spot 3000K

E I Non Dimmable
03.8824.40A
03.8824.14A
Dali Version
03.8824.40BDA
03.8824.14BDA
Mains Dimming
03.8824.40ANI
03.8824.14ANI
Casambi
03.8824.40ACB
03.8824.14ACB
Non Dimmable
03.8825.40A
03.8825.14A
Dali Version
03.8825.40BDA
03.8825.14BDA
Mains Dimming
03.8825.40ANI
03.8825.14ANI
Casambi
03.8825.40ACB
03.8825.14ACB
Non Dimmable
05.1005.40A
05.1005.14A
Dali Version
05.1005.40BDA
05.1005.14BDA
Mains Dimming
05.1005.40ANI
05.1005.14ANI
Casambi
05.1005.40ACB
05.1005.14ACB
Non Dimmable
05.1006.40A
05.1006.14A
Dali Version
05.1006.40BDA
05.1006.14BDA
Mains Dimming
05.1006.40ANI
05.1006.14ANI
Casambi
05.1006.40ACB
05.1006.14ACB
Non Dimmable
05.1007.40A
05.1007.14A
Dali Version
05.1007.40BDA
05.1007.14BDA
Mains Dimming
05.1007.40ANI
05.1007.14ANI
Casambi
05.1007.40ACB
05.1007.14ACB

10° SPOT



Luminous flux luminaire 475 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

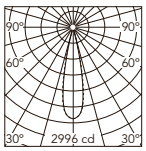
h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	543	0.70
5	347	0.87

Optic Medium 2700K

E I Non Dimmable
03.9100.40A
03.9100.14A
Dali Version
03.9100.40BDA
03.9100.14BDA
Mains Dimming
03.9100.40ANI
03.9100.14ANI
Casambi
03.9100.40ACB
03.9100.14ACB
Non Dimmable
03.9101.40A
03.9101.14A
Dali Version
03.9101.40BDA
03.9101.14BDA
Mains Dimming
03.9101.40ANI
03.9101.14ANI
Casambi
03.9101.40ACB
03.9101.14ACB
Non Dimmable
05.1010.40A
05.1010.14A
Dali Version
05.1010.40BDA
05.1010.14BDA
Mains Dimming
05.1010.40ANI
05.1010.14ANI
Casambi
05.1010.40ACB
05.1010.14ACB
Non Dimmable
05.1011.40A
05.1011.14A
Dali Version
05.1011.40BDA
05.1011.14BDA
Mains Dimming
05.1011.40ANI
05.1011.14ANI
Casambi
05.1011.40ACB
05.1011.14ACB
Non Dimmable
05.1012.40A
05.1012.14A
Dali Version
05.1012.40BDA
05.1012.14BDA
Mains Dimming
05.1012.40ANI
05.1012.14ANI
Casambi
05.1012.40ACB
05.1012.14ACB



MEDIUM



Luminous flux luminaire
448 lm (EXTREME CUT OFF)

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

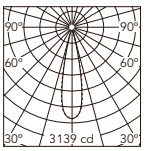
@White (40)

Optic Medium 3000K

E I Non Dimmable
03.9110.40A
03.9110.14A
Dali Version
03.9110.40BDA
03.9110.14BDA
Mains Dimming
03.9110.40ANI
03.9110.14ANI
Casambi
03.9110.40ACB
03.9110.14ACB
Non Dimmable
03.9111.40A
03.9111.14A
Dali Version
03.9111.40BDA
03.9111.14BDA
Mains Dimming
03.9111.40ANI
03.9111.14ANI
Casambi
03.9111.40ACB
03.9111.14ACB
Non Dimmable
05.1015.40A
05.1015.14A
Dali Version
05.1015.40BDA
05.1015.14BDA
Mains Dimming
05.1015.40ANI
05.1015.14ANI
Casambi
05.1015.40ACB
05.1015.14ACB
Non Dimmable
05.1016.40A
05.1016.14A
Dali Version
05.1016.40BDA
05.1016.14BDA
Mains Dimming
05.1016.40ANI
05.1016.14ANI
Casambi
05.1016.40ACB
05.1016.14ACB
Non Dimmable
05.1017.40A
05.1017.14A
Dali Version
05.1017.40BDA
05.1017.14BDA
Mains Dimming
05.1017.40ANI
05.1017.14ANI
Casambi
05.1017.40ACB
05.1017.14ACB



MEDIUM



Luminous flux luminaire
470 lm (EXTREME CUT OFF)

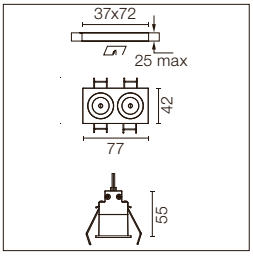
Beam Angle:		22°
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

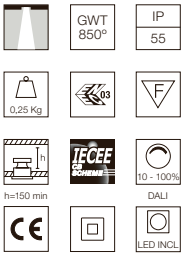
@White (40)

Light Shadow Fixed Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

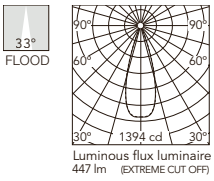
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9105.40A
03.9105.14A
Dali Version
03.9105.40BDA
03.9105.14BDA
Mains Dimming
03.9105.40ANI
03.9105.14ANI
Casambi
03.9105.40ACB
03.9105.14ACB
Non Dimmable
03.9106.40A
03.9106.14A
Dali Version
03.9106.40BDA
03.9106.14BDA
Mains Dimming
03.9106.40ANI
03.9106.14ANI
Casambi
03.9106.40ACB
03.9106.14ACB
Non Dimmable
05.1020.40A
05.1020.14A
Dali Version
05.1020.40BDA
05.1020.14BDA
Mains Dimming
05.1020.40ANI
05.1020.14ANI
Casambi
05.1020.40ACB
05.1020.14ACB
Non Dimmable
05.1021.40A
05.1021.14A
Dali Version
05.1021.40BDA
05.1021.14BDA
Mains Dimming
05.1021.40ANI
05.1021.14ANI
Casambi
05.1021.40ACB
05.1021.14ACB
Non Dimmable
05.1022.40A
05.1022.14A
Dali Version
05.1022.40BDA
05.1022.14BDA
Mains Dimming
05.1022.40ANI
05.1022.14ANI
Casambi
05.1022.40ACB
05.1022.14ACB



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

@White (40)

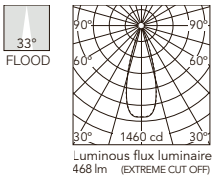
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9115.40A
03.9115.14A
Dali Version
03.9115.40BDA
03.9115.14BDA
Mains Dimming
03.9115.40ANI
03.9115.14ANI
Casambi
03.9115.40ACB
03.9115.14ACB
Non Dimmable
03.9116.40A
03.9116.14A
Dali Version
03.9116.40BDA
03.9116.14BDA
Mains Dimming
03.9116.40ANI
03.9116.14ANI
Casambi
03.9116.40ACB
03.9116.14ACB
Non Dimmable
05.1025.40A
05.1025.14A
Dali Version
05.1025.40BDA
05.1025.14BDA
Mains Dimming
05.1025.40ANI
05.1025.14ANI
Casambi
05.1025.40ACB
05.1025.14ACB
Non Dimmable
05.1026.40A
05.1026.14A
Dali Version
05.1026.40BDA
05.1026.14BDA
Mains Dimming
05.1026.40ANI
05.1026.14ANI
Casambi
05.1026.40ACB
05.1026.14ACB
Non Dimmable
05.1027.40A
05.1027.14A
Dali Version
05.1027.40BDA
05.1027.14BDA
Mains Dimming
05.1027.40ANI
05.1027.14ANI
Casambi
05.1027.40ACB
05.1027.14ACB



Luminous flux luminaire
468 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

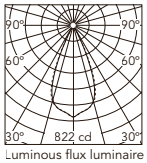
h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8300.40A
03.8300.14A
Dali Version
03.8300.40BDA
03.8300.14BDA
Mains Dimming
03.8300.40ANI
03.8300.14ANI
Casambi
03.8300.40ACB
03.8300.14ACB
Non Dimmable
03.8301.40A
03.8301.14A
Dali Version
03.8301.40BDA
03.8301.14BDA
Mains Dimming
03.8301.40ANI
03.8301.14ANI
Casambi
03.8301.40ACB
03.8301.14ACB
Non Dimmable
05.1030.40A
05.1030.14A
Dali Version
05.1030.40BDA
05.1030.14BDA
Mains Dimming
05.1030.40ANI
05.1030.14ANI
Casambi
05.1030.40ACB
05.1030.14ACB
Non Dimmable
05.1031.40A
05.1031.14A
Dali Version
05.1031.40BDA
05.1031.14BDA
Mains Dimming
05.1031.40ANI
05.1031.14ANI
Casambi
05.1031.40ACB
05.1031.14ACB
Non Dimmable
05.1032.40A
05.1032.14A
Dali Version
05.1032.40BDA
05.1032.14BDA
Mains Dimming
05.1032.40ANI
05.1032.14ANI
Casambi
05.1032.40ACB
05.1032.14ACB



WIDE FLOOD



Luminous flux luminaire
441 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	822 0.83
2	205 1.67
3	91 2.50
4	51 3.34
5	33 4.17

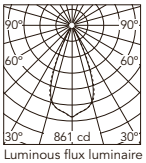
@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.8304.40A
03.8304.14A
Dali Version
03.8304.40BDA
03.8304.14BDA
Mains Dimming
03.8304.40ANI
03.8304.14ANI
Casambi
03.8304.40ACB
03.8304.14ACB
Non Dimmable
03.8305.40A
03.8305.14A
Dali Version
03.8305.40BDA
03.8305.14BDA
Mains Dimming
03.8305.40ANI
03.8305.14ANI
Casambi
03.8305.40ACB
03.8305.14ACB
Non Dimmable
05.1035.40A
05.1035.14A
Dali Version
05.1035.40BDA
05.1035.14BDA
Mains Dimming
05.1035.40ANI
05.1035.14ANI
Casambi
05.1035.40ACB
05.1035.14ACB
Non Dimmable
05.1036.40A
05.1036.14A
Dali Version
05.1036.40BDA
05.1036.14BDA
Mains Dimming
05.1036.40ANI
05.1036.14ANI
Casambi
05.1036.40ACB
05.1036.14ACB
Non Dimmable
05.1037.40A
05.1037.14A
Dali Version
05.1037.40BDA
05.1037.14BDA
Mains Dimming
05.1037.40ANI
05.1037.14ANI
Casambi
05.1037.40ACB
05.1037.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm (EXTREME CUT OFF)

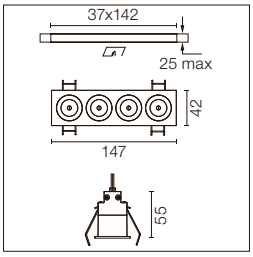
Beam Angle:	45°
h(m)	E(lx) D(m)
1	861 0.83
2	215 1.67
3	96 2.50
4	54 3.34
5	34 4.17

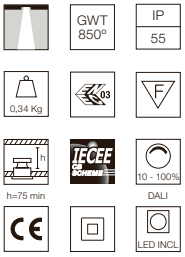
@White (40)

Light Shadow Fixed Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

* Multipack available.

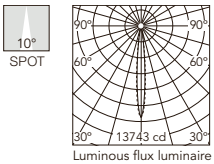
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K



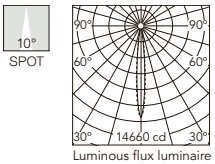
Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

E I Non Dimmable
03.8828.40A
03.8828.14A
Dali Version
03.8828.40BDA
03.8828.14BDA
Mains Dimming
03.8828.40ANI
03.8828.14ANI
Casambi
03.8828.40ACB
03.8828.14ACB
Non Dimmable
03.8829.40A
03.8829.14A
Dali Version
03.8829.40BDA
03.8829.14BDA
Mains Dimming
03.8829.40ANI
03.8829.14ANI
Casambi
03.8829.40ACB
03.8829.14ACB
Non Dimmable
05.1100.40A
05.1100.14A
Dali Version
05.1100.40BDA
05.1100.14BDA
Mains Dimming
05.1100.40ANI
05.1100.14ANI
Casambi
05.1100.40ACB
05.1100.14ACB
Non Dimmable
05.1101.40A
05.1101.14A
Dali Version
05.1101.40BDA
05.1101.14BDA
Mains Dimming
05.1101.40ANI
05.1101.14ANI
Casambi
05.1101.40ACB
05.1101.14ACB
Non Dimmable
05.1102.40A
05.1102.14A
Dali Version
05.1102.40BDA
05.1102.14BDA
Mains Dimming
05.1102.40ANI
05.1102.14ANI
Casambi
05.1102.40ACB
05.1102.14ACB

Optic Spot 3000K



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

E I Non Dimmable
03.8832.40A
03.8832.14A
Dali Version
03.8832.40BDA
03.8832.14BDA
Mains Dimming
03.8832.40ANI
03.8832.14ANI
Casambi
03.8832.40ACB
03.8832.14ACB
Non Dimmable
03.8833.40A
03.8833.14A
Dali Version
03.8833.40BDA
03.8833.14BDA
Mains Dimming
03.8833.40ANI
03.8833.14ANI
Casambi
03.8833.40ACB
03.8833.14ACB
Non Dimmable
05.1105.40A
05.1105.14A
Dali Version
05.1105.40BDA
05.1105.14BDA
Mains Dimming
05.1105.40ANI
05.1105.14ANI
Casambi
05.1105.40ACB
05.1105.14ACB
Non Dimmable
05.1106.40A
05.1106.14A
Dali Version
05.1106.40BDA
05.1106.14BDA
Mains Dimming
05.1106.40ANI
05.1106.14ANI
Casambi
05.1106.40ACB
05.1106.14ACB
Non Dimmable
05.1107.40A
05.1107.14A
Dali Version
05.1107.40BDA
05.1107.14BDA
Mains Dimming
05.1107.40ANI
05.1107.14ANI
Casambi
05.1107.40ACB
05.1107.14ACB

Optic Medium 2700K

E I

Non Dimmable
03.9120.40A
03.9120.14A

Dali Version
03.9120.40BDA
03.9120.14BDA

Mains Dimming
03.9120.40ANI
03.9120.14ANI

Casambi
03.9120.40ACB
03.9120.14ACB

Non Dimmable
03.9121.40A
03.9121.14A

Dali Version
03.9121.40BDA
03.9121.14BDA

Mains Dimming
03.9121.40ANI
03.9121.14ANI

Casambi
03.9121.40ACB
03.9121.14ACB

Non Dimmable
05.1110.40A
05.1110.14A

Dali Version
05.1110.40BDA
05.1110.14BDA

Mains Dimming
05.1110.40ANI
05.1110.14ANI

Casambi
05.1110.40ACB
05.1110.14ACB

Non Dimmable
05.1111.40A
05.1111.14A

Dali Version
05.1111.40BDA
05.1111.14BDA

Mains Dimming
05.1111.40ANI
05.1111.14ANI

Casambi
05.1111.40ACB
05.1111.14ACB

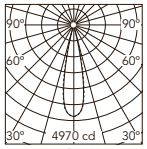
Non Dimmable
05.1112.40A
05.1112.14A

Dali Version
05.1112.40BDA
05.1112.14BDA

Mains Dimming
05.1112.40ANI
05.1112.14ANI

Casambi
05.1112.40ACB
05.1112.14ACB





Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9130.40A
03.9130.14A

Dali Version
03.9130.40BDA
03.9130.14BDA

Mains Dimming
03.9130.40ANI
03.9130.14ANI

Casambi
03.9130.40ACB
03.9130.14ACB

Non Dimmable
03.9131.40A
03.9131.14A

Dali Version
03.9131.40BDA
03.9131.14BDA

Mains Dimming
03.9131.40ANI
03.9131.14ANI

Casambi
03.9131.40ACB
03.9131.14ACB

Non Dimmable
05.1115.40A
05.1115.14A

Dali Version
05.1115.40BDA
05.1115.14BDA

Mains Dimming
05.1115.40ANI
05.1115.14ANI

Casambi
05.1115.40ACB
05.1115.14ACB

Non Dimmable
05.1116.40A
05.1116.14A

Dali Version
05.1116.40BDA
05.1116.14BDA

Mains Dimming
05.1116.40ANI
05.1116.14ANI

Casambi
05.1116.40ACB
05.1116.14ACB

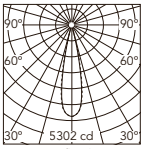
Non Dimmable
05.1117.40A
05.1117.14A

Dali Version
05.1117.40BDA
05.1117.14BDA

Mains Dimming
05.1117.40ANI
05.1117.14ANI

Casambi
05.1117.40ACB
05.1117.14ACB





Luminous flux luminaire
793 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		22°
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95



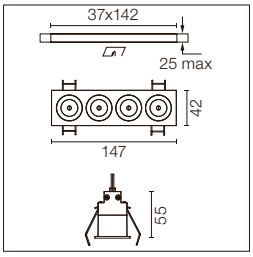
*Multipack available (14 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A

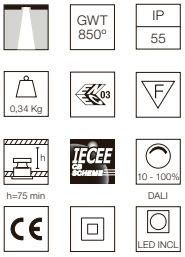
*Embalaje múltiple disponible (14 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

* Multipack available.

E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

* Embalaje múltiple disponible.

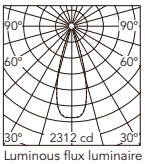
E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9125.40A
03.9125.14A
Dali Version
03.9125.40BDA
03.9125.14BDA
Mains Dimming
03.9125.40ANI
03.9125.14ANI
Casambi
03.9125.40ACB
03.9125.14ACB
Non Dimmable
03.9126.40A
03.9126.14A
Dali Version
03.9126.40BDA
03.9126.14BDA
Mains Dimming
03.9126.40ANI
03.9126.14ANI
Casambi
03.9126.40ACB
03.9126.14ACB
Non Dimmable
05.1120.40A
05.1120.14A
Dali Version
05.1120.40BDA
05.1120.14BDA
Mains Dimming
05.1120.40ANI
05.1120.14ANI
Casambi
05.1120.40ACB
05.1120.14ACB
Non Dimmable
05.1121.40A
05.1121.14A
Dali Version
05.1121.40BDA
05.1121.14BDA
Mains Dimming
05.1121.40ANI
05.1121.14ANI
Casambi
05.1121.40ACB
05.1121.14ACB
Non Dimmable
05.1122.40A
05.1122.14A
Dali Version
05.1122.40BDA
05.1122.14BDA
Mains Dimming
05.1122.40ANI
05.1122.14ANI
Casambi
05.1122.40ACB
05.1122.14ACB

33°
FLOOD



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

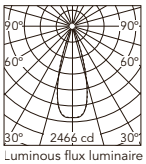
h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9135.40A
03.9135.14A
Dali Version
03.9135.40BDA
03.9135.14BDA
Mains Dimming
03.9135.40ANI
03.9135.14ANI
Casambi
03.9135.40ACB
03.9135.14ACB
Non Dimmable
03.9136.40A
03.9136.14A
Dali Version
03.9136.40BDA
03.9136.14BDA
Mains Dimming
03.9136.40ANI
03.9136.14ANI
Casambi
03.9136.40ACB
03.9136.14ACB
Non Dimmable
05.1125.40A
05.1125.14A
Dali Version
05.1125.40BDA
05.1125.14BDA
Mains Dimming
05.1125.40ANI
05.1125.14ANI
Casambi
05.1125.40ACB
05.1125.14ACB
Non Dimmable
05.1126.40A
05.1126.14A
Dali Version
05.1126.40BDA
05.1126.14BDA
Mains Dimming
05.1126.40ANI
05.1126.14ANI
Casambi
05.1126.40ACB
05.1126.14ACB
Non Dimmable
05.1127.40A
05.1127.14A
Dali Version
05.1127.40BDA
05.1127.14BDA
Mains Dimming
05.1127.40ANI
05.1127.14ANI
Casambi
05.1127.40ACB
05.1127.14ACB

33°
FLOOD



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

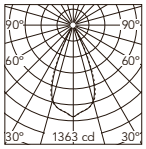
h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8308.40A
03.8308.14A
Dali Version
03.8308.40BDA
03.8308.14BDA
Mains Dimming
03.8308.40ANI
03.8308.14ANI
Casambi
03.8308.40ACB
03.8308.14ACB
Non Dimmable
03.8309.40A
03.8309.14A
Dali Version
03.8309.40BDA
03.8309.14BDA
Mains Dimming
03.8309.40ANI
03.8309.14ANI
Casambi
03.8309.40ACB
03.8309.14ACB
Non Dimmable
05.1130.40A
05.1130.14A
Dali Version
05.1130.40BDA
05.1130.14BDA
Mains Dimming
05.1130.40ANI
05.1130.14ANI
Casambi
05.1130.40ACB
05.1130.14ACB
Non Dimmable
05.1131.40A
05.1131.14A
Dali Version
05.1131.40BDA
05.1131.14BDA
Mains Dimming
05.1131.40ANI
05.1131.14ANI
Casambi
05.1131.40ACB
05.1131.14ACB
Non Dimmable
05.1132.40A
05.1132.14A
Dali Version
05.1132.40BDA
05.1132.14BDA
Mains Dimming
05.1132.40ANI
05.1132.14ANI
Casambi
05.1132.40ACB
05.1132.14ACB



WIDE FLOOD



Luminous flux luminaire
731 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 45°

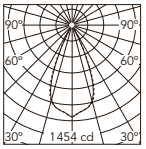
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8312.40A
03.8312.14A
Dali Version
03.8312.40BDA
03.8312.14BDA
Mains Dimming
03.8312.40ANI
03.8312.14ANI
Casambi
03.8312.40ACB
03.8312.14ACB
Non Dimmable
03.8313.40A
03.8313.14A
Dali Version
03.8313.40BDA
03.8313.14BDA
Mains Dimming
03.8313.40ANI
03.8313.14ANI
Casambi
03.8313.40ACB
03.8313.14ACB
Non Dimmable
05.1135.40A
05.1135.14A
Dali Version
05.1135.40BDA
05.1135.14BDA
Mains Dimming
05.1135.40ANI
05.1135.14ANI
Casambi
05.1135.40ACB
05.1135.14ACB
Non Dimmable
05.1136.40A
05.1136.14A
Dali Version
05.1136.40BDA
05.1136.14BDA
Mains Dimming
05.1136.40ANI
05.1136.14ANI
Casambi
05.1136.40ACB
05.1136.14ACB
Non Dimmable
05.1137.40A
05.1137.14A
Dali Version
05.1137.40BDA
05.1137.14BDA
Mains Dimming
05.1137.40ANI
05.1137.14ANI
Casambi
05.1137.40ACB
05.1137.14ACB



WIDE FLOOD



Luminous flux luminaire
780 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 45°

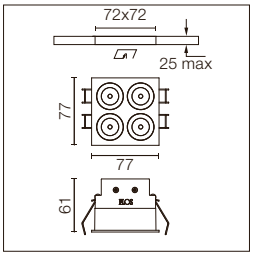
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

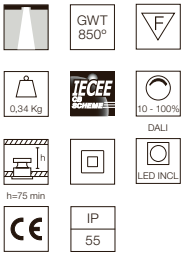
*Multipack available (14 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A
*Embalaje múltiple disponible (14 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

05.0600.40
05.0600.14

Dali Version

05.0600.40.DA
05.0600.14.DA

Mains Dimming

05.0600.40.NI
05.0600.14.NI

Casambi

05.0600.40.CB
05.0600.14.CB

Non Dimmable

05.0601.40
05.0601.14

Dali Version

05.0601.40.DA
05.0601.14.DA

Mains Dimming

05.0601.40.NI
05.0601.14.NI

Casambi

05.0601.40.CB
05.0601.14.CB

Non Dimmable

05.0603.40
05.0603.14

Dali Version

05.0603.40.DA
05.0603.14.DA

Mains Dimming

05.0603.40.NI
05.0603.14.NI

Casambi

05.0603.40.CB
05.0603.14.CB

Non Dimmable

05.0604.40
05.0604.14

Dali Version

05.0604.40.DA
05.0604.14.DA

Mains Dimming

05.0604.40.NI
05.0604.14.NI

Casambi

05.0604.40.CB
05.0604.14.CB

Non Dimmable

05.0602.40
05.0602.14

Dali Version

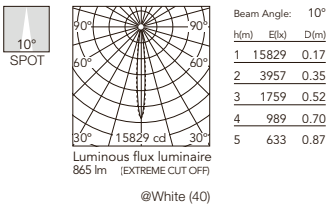
05.0602.40.DA
05.0602.14.DA

Mains Dimming

05.0602.40.NI
05.0602.14.NI

Casambi

05.0602.40.CB
05.0602.14.CB



Luminous flux luminaire
865 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

Optic Spot 3000K

E I Non Dimmable

05.0605.40
05.0605.14

Dali Version

05.0605.40.DA
05.0605.14.DA

Mains Dimming

05.0605.40.NI
05.0605.14.NI

Casambi

05.0605.40.CB
05.0605.14.CB

Non Dimmable

05.0606.40
05.0606.14

Dali Version

05.0606.40.DA
05.0606.14.DA

Mains Dimming

05.0606.40.NI
05.0606.14.NI

Casambi

05.0606.40.CB
05.0606.14.CB

Non Dimmable

05.0608.40
05.0608.14

Dali Version

05.0608.40.DA
05.0608.14.DA

Mains Dimming

05.0608.40.NI
05.0608.14.NI

Casambi

05.0608.40.CB
05.0608.14.CB

Non Dimmable

05.0609.40
05.0609.14

Dali Version

05.0609.40.DA
05.0609.14.DA

Mains Dimming

05.0609.40.NI
05.0609.14.NI

Casambi

05.0609.40.CB
05.0609.14.CB

Non Dimmable

05.0607.40
05.0607.14

Dali Version

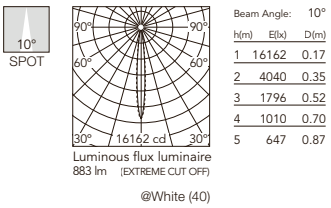
05.0607.40.DA
05.0607.14.DA

Mains Dimming

05.0607.40.NI
05.0607.14.NI

Casambi

05.0607.40.CB
05.0607.14.CB



Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40)

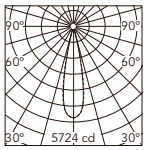
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

Optic Medium 2700K

E I Non Dimmable
05.0610.40
05.0610.14
Dali Version
05.0610.40.DA
05.0610.14.DA
Mains Dimming
05.0610.40.NI
05.0610.14.NI
Casambi
05.0610.40.CB
05.0610.14.CB
Non Dimmable
05.0611.40
05.0611.14
Dali Version
05.0611.40.DA
05.0611.14.DA
Mains Dimming
05.0611.40.NI
05.0611.14.NI
Casambi
05.0611.40.CB
05.0611.14.CB
Non Dimmable
05.0613.40
05.0613.14
Dali Version
05.0613.40.DA
05.0613.14.DA
Mains Dimming
05.0613.40.NI
05.0613.14.NI
Casambi
05.0613.40.CB
05.0613.14.CB
Non Dimmable
05.0614.40
05.0614.14
Dali Version
05.0614.40.DA
05.0614.14.DA
Mains Dimming
05.0614.40.NI
05.0614.14.NI
Casambi
05.0614.40.CB
05.0614.14.CB
Non Dimmable
05.0612.40
05.0612.14
Dali Version
05.0612.40.DA
05.0612.14.DA
Mains Dimming
05.0612.40.NI
05.0612.14.NI
Casambi
05.0612.40.CB
05.0612.14.CB

22°
MEDIUM



Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40)

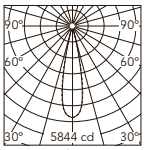
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

Optic Medium 3000K

E I Non Dimmable
05.0615.40
05.0615.14
Dali Version
05.0615.40.DA
05.0615.14.DA
Mains Dimming
05.0615.40.NI
05.0615.14.NI
Casambi
05.0615.40.CB
05.0615.14.CB
Non Dimmable
05.0616.40
05.0616.14
Dali Version
05.0616.40.DA
05.0616.14.DA
Mains Dimming
05.0616.40.NI
05.0616.14.NI
Casambi
05.0616.40.CB
05.0616.14.CB
Non Dimmable
05.0618.40
05.0618.14
Dali Version
05.0618.40.DA
05.0618.14.DA
Mains Dimming
05.0618.40.NI
05.0618.14.NI
Casambi
05.0618.40.CB
05.0618.14.CB
Non Dimmable
05.0619.40
05.0619.14
Dali Version
05.0619.40.DA
05.0619.14.DA
Mains Dimming
05.0619.40.NI
05.0619.14.NI
Casambi
05.0619.40.CB
05.0619.14.CB
Non Dimmable
05.0617.40
05.0617.14
Dali Version
05.0617.40.DA
05.0617.14.DA
Mains Dimming
05.0617.40.NI
05.0617.14.NI
Casambi
05.0617.40.CB
05.0617.14.CB

22°
MEDIUM



Luminous flux luminaire
874 lm (EXTREME CUT OFF)

@White (40)

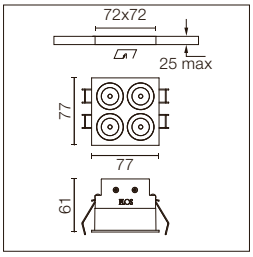
Beam Angle: 22°

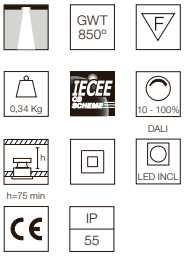
h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Light Shadow Fixed Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140 lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

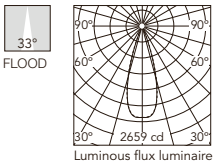
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
05.0620.40
05.0620.14
Dali Version
05.0620.40.DA
05.0620.14.DA
Mains Dimming
05.0620.40.NI
05.0620.14.NI
Casambi
05.0620.40.CB
05.0620.14.CB
Non Dimmable
05.0621.40
05.0621.14
Dali Version
05.0621.40.DA
05.0621.14.DA
Mains Dimming
05.0621.40.NI
05.0621.14.NI
Casambi
05.0621.40.CB
05.0621.14.CB
Non Dimmable
05.0623.40
05.0623.14
Dali Version
05.0623.40.DA
05.0623.14.DA
Mains Dimming
05.0623.40.NI
05.0623.14.NI
Casambi
05.0623.40.CB
05.0623.14.CB
Non Dimmable
05.0624.40
05.0624.14
Dali Version
05.0624.40.DA
05.0624.14.DA
Mains Dimming
05.0624.40.NI
05.0624.14.NI
Casambi
05.0624.40.CB
05.0624.14.CB
Non Dimmable
05.0622.40
05.0622.14
Dali Version
05.0622.40.DA
05.0622.14.DA
Mains Dimming
05.0622.40.NI
05.0622.14.NI
Casambi
05.0622.40.CB
05.0622.14.CB



Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@White (40)

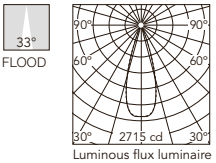
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

Optic Flood 3000K

E I

Non Dimmable
05.0625.40
05.0625.14
Dali Version
05.0625.40.DA
05.0625.14.DA
Mains Dimming
05.0625.40.NI
05.0625.14.NI
Casambi
05.0625.40.CB
05.0625.14.CB
Non Dimmable
05.0626.40
05.0626.14
Dali Version
05.0626.40.DA
05.0626.14.DA
Mains Dimming
05.0626.40.NI
05.0626.14.NI
Casambi
05.0626.40.CB
05.0626.14.CB
Non Dimmable
05.0628.40
05.0628.14
Dali Version
05.0628.40.DA
05.0628.14.DA
Mains Dimming
05.0628.40.NI
05.0628.14.NI
Casambi
05.0628.40.CB
05.0628.14.CB
Non Dimmable
05.0629.40
05.0629.14
Dali Version
05.0629.40.DA
05.0629.14.DA
Mains Dimming
05.0629.40.NI
05.0629.14.NI
Casambi
05.0629.40.CB
05.0629.14.CB
Non Dimmable
05.0627.40
05.0627.14
Dali Version
05.0627.40.DA
05.0627.14.DA
Mains Dimming
05.0627.40.NI
05.0627.14.NI
Casambi
05.0627.40.CB
05.0627.14.CB



Luminous flux luminaire
871 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

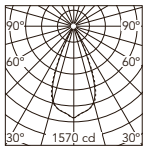
h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

Optic Wide Flood 2700K

E I Non Dimmable
05.0630.40
05.0630.14
Dali Version
05.0630.40.DA
05.0630.14.DA
Mains Dimming
05.0630.40.NI
05.0630.14.NI
Casambi
05.0630.40.CB
05.0630.14.CB
Non Dimmable
05.0631.40
05.0631.14
Dali Version
05.0631.40.DA
05.0631.14.DA
Mains Dimming
05.0631.40.NI
05.0631.14.NI
Casambi
05.0631.40.CB
05.0631.14.CB
Non Dimmable
05.0633.40
05.0633.14
Dali Version
05.0633.40.DA
05.0633.14.DA
Mains Dimming
05.0633.40.NI
05.0633.14.NI
Casambi
05.0633.40.CB
05.0633.14.CB
Non Dimmable
05.0634.40
05.0634.14
Dali Version
05.0634.40.DA
05.0634.14.DA
Mains Dimming
05.0634.40.NI
05.0634.14.NI
Casambi
05.0634.40.CB
05.0634.14.CB
Non Dimmable
05.0632.40
05.0632.14
Dali Version
05.0632.40.DA
05.0632.14.DA
Mains Dimming
05.0632.40.NI
05.0632.14.NI
Casambi
05.0632.40.CB
05.0632.14.CB



WIDE FLOOD



Luminous flux luminaire
842 lm (EXTREME CUT OFF)
@White (40)

Beam Angle: 45°

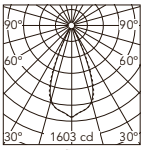
h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

Optic Wide Flood 3000K

E I Non Dimmable
05.0635.40
05.0635.14
Dali Version
05.0635.40.DA
05.0635.14.DA
Mains Dimming
05.0635.40.NI
05.0635.14.NI
Casambi
05.0635.40.CB
05.0635.14.CB
Non Dimmable
05.0636.40
05.0636.14
Dali Version
05.0636.40.DA
05.0636.14.DA
Mains Dimming
05.0636.40.NI
05.0636.14.NI
Casambi
05.0636.40.CB
05.0636.14.CB
Non Dimmable
05.0638.40
05.0638.14
Dali Version
05.0638.40.DA
05.0638.14.DA
Mains Dimming
05.0638.40.NI
05.0638.14.NI
Casambi
05.0638.40.CB
05.0638.14.CB
Non Dimmable
05.0639.40
05.0639.14
Dali Version
05.0639.40.DA
05.0639.14.DA
Mains Dimming
05.0639.40.NI
05.0639.14.NI
Casambi
05.0639.40.CB
05.0639.14.CB
Non Dimmable
05.0637.40
05.0637.14
Dali Version
05.0637.40.DA
05.0637.14.DA
Mains Dimming
05.0637.40.NI
05.0637.14.NI
Casambi
05.0637.40.CB
05.0637.14.CB



WIDE FLOOD



Luminous flux luminaire
860 lm (EXTREME CUT OFF)
@White (40)

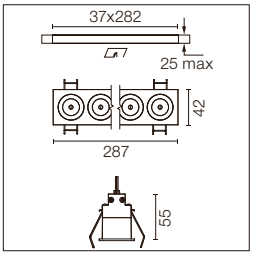
Beam Angle: 45°

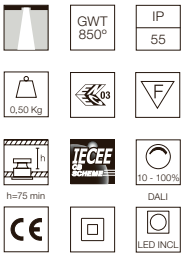
h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

Light Shadow Fixed Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

* Multipack available.

E= External Finish
I= Internal Finish

Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

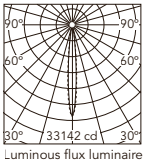
* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8836.40A
03.8836.14A
Dali Version
03.8836.40BDA
03.8836.14BDA
Mains Dimming
03.8836.40ANI
03.8836.14ANI
Casambi
03.8836.40ACB
03.8836.14ACB
Non Dimmable
03.8837.40A
03.8837.14A
Dali Version
03.8837.40BDA
03.8837.14BDA
Mains Dimming
03.8837.40ANI
03.8837.14ANI
Casambi
03.8837.40ACB
03.8837.14ACB
Non Dimmable
05.1200.40A
05.1200.14A
Dali Version
05.1200.40BDA
05.1200.14BDA
Mains Dimming
05.1200.40ANI
05.1200.14ANI
Casambi
05.1200.40ACB
05.1200.14ACB
Non Dimmable
05.1201.40A
05.1201.14A
Dali Version
05.1201.40BDA
05.1201.14BDA
Mains Dimming
05.1201.40ANI
05.1201.14ANI
Casambi
05.1201.40ACB
05.1201.14ACB
Non Dimmable
05.1202.40A
05.1202.14A
Dali Version
05.1202.40BDA
05.1202.14BDA
Mains Dimming
05.1202.40ANI
05.1202.14ANI
Casambi
05.1202.40ACB
05.1202.14ACB

10° SPOT

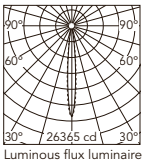


Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1441 lm (EXTREME CUT OFF)

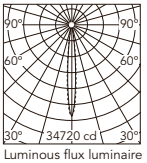
@White (40) 750mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8840.40A
03.8840.14A
Dali Version
03.8840.40BDA
03.8840.14BDA
Mains Dimming
03.8840.40ANI
03.8840.14ANI
Casambi
03.8840.40ACB
03.8840.14ACB
Non Dimmable
03.8841.40A
03.8841.14A
Dali Version
03.8841.40BDA
03.8841.14BDA
Mains Dimming
03.8841.40ANI
03.8841.14ANI
Casambi
03.8841.40ACB
03.8841.14ACB
Non Dimmable
05.1205.40A
05.1205.14A
Dali Version
05.1205.40BDA
05.1205.14BDA
Mains Dimming
05.1205.40ANI
05.1205.14ANI
Casambi
05.1205.40ACB
05.1205.14ACB
Non Dimmable
05.1206.40A
05.1206.14A
Dali Version
05.1206.40BDA
05.1206.14BDA
Mains Dimming
05.1206.40ANI
05.1206.14ANI
Casambi
05.1206.40ACB
05.1206.14ACB
Non Dimmable
05.1207.40A
05.1207.14A
Dali Version
05.1207.40BDA
05.1207.14BDA
Mains Dimming
05.1207.40ANI
05.1207.14ANI
Casambi
05.1207.40ACB
05.1207.14ACB

10° SPOT

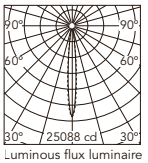


Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1371 lm (EXTREME CUT OFF)

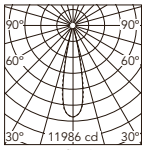
@White (40) 750mA

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

Optic Medium 2700K

E I Non Dimmable
03.9140.40A
03.9140.14A
Dali Version
03.9140.40BDA
03.9140.14BDA
Mains Dimming
03.9140.40ANI
03.9140.14ANI
Casambi
03.9140.40ACB
03.9140.14ACB
Non Dimmable
03.9141.40A
03.9141.14A
Dali Version
03.9141.40BDA
03.9141.14BDA
Mains Dimming
03.9141.40ANI
03.9141.14ANI
Casambi
03.9141.40ACB
03.9141.14ACB
Non Dimmable
05.1210.40A
05.1210.14A
Dali Version
05.1210.40BDA
05.1210.14BDA
Mains Dimming
05.1210.40ANI
05.1210.14ANI
Casambi
05.1210.40ACB
05.1210.14ACB
Non Dimmable
05.1211.40A
05.1211.14A
Dali Version
05.1211.40BDA
05.1211.14BDA
Mains Dimming
05.1211.40ANI
05.1211.14ANI
Casambi
05.1211.40ACB
05.1211.14ACB
Non Dimmable
05.1212.40A
05.1212.14A
Dali Version
05.1212.40BDA
05.1212.14BDA
Mains Dimming
05.1212.40ANI
05.1212.14ANI
Casambi
05.1212.40ACB
05.1212.14ACB

22° MEDIUM



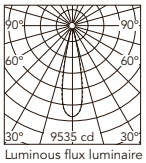
Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11986	0.39
2	2996	0.78
3	1332	1.17
4	749	1.56
5	479	1.95

22° MEDIUM



Luminous flux luminaire
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

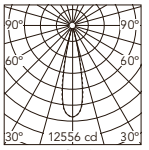
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9535	0.39
2	2384	0.78
3	1059	1.17
4	596	1.56
5	381	1.95

Optic Medium 3000K

E I Non Dimmable
03.9150.40A
03.9150.14A
Dali Version
03.9150.40BDA
03.9150.14BDA
Mains Dimming
03.9150.40ANI
03.9150.14ANI
Casambi
03.9150.40ACB
03.9150.14ACB
Non Dimmable
03.9151.40A
03.9151.14A
Dali Version
03.9151.40BDA
03.9151.14BDA
Mains Dimming
03.9151.40ANI
03.9151.14ANI
Casambi
03.9151.40ACB
03.9151.14ACB
Non Dimmable
05.1215.40A
05.1215.14A
Dali Version
05.1215.40BDA
05.1215.14BDA
Mains Dimming
05.1215.40ANI
05.1215.14ANI
Casambi
05.1215.40ACB
05.1215.14ACB
Non Dimmable
05.1216.40A
05.1216.14A
Dali Version
05.1216.40BDA
05.1216.14BDA
Mains Dimming
05.1216.40ANI
05.1216.14ANI
Casambi
05.1216.40ACB
05.1216.14ACB
Non Dimmable
05.1217.40A
05.1217.14A
Dali Version
05.1217.40BDA
05.1217.14BDA
Mains Dimming
05.1217.40ANI
05.1217.14ANI
Casambi
05.1217.40ACB
05.1217.14ACB

22° MEDIUM



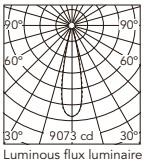
Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

22° MEDIUM



Luminous flux luminaire
1357 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

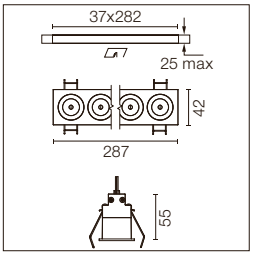
h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

*Multipack available (12 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A
*Embalaje múltiple disponible (12 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

* Multipack available.

E= External Finish
I= Internal Finish

Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

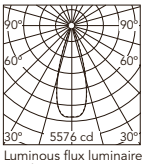
* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9145.40A
03.9145.14A
Dali Version
03.9145.40BDA
03.9145.14BDA
Mains Dimming
03.9145.40ANI
03.9145.14ANI
Casambi
03.9145.40ACB
03.9145.14ACB
Non Dimmable
03.9146.40A
03.9146.14A
Dali Version
03.9146.40BDA
03.9146.14BDA
Mains Dimming
03.9146.40ANI
03.9146.14ANI
Casambi
03.9146.40ACB
03.9146.14ACB
Non Dimmable
05.1220.40A
05.1220.14A
Dali Version
05.1220.40BDA
05.1220.14BDA
Mains Dimming
05.1220.40ANI
05.1220.14ANI
Casambi
05.1220.40ACB
05.1220.14ACB
Non Dimmable
05.1221.40A
05.1221.14A
Dali Version
05.1221.40BDA
05.1221.14BDA
Mains Dimming
05.1221.40ANI
05.1221.14ANI
Casambi
05.1221.40ACB
05.1221.14ACB
Non Dimmable
05.1222.40A
05.1222.14A
Dali Version
05.1222.40BDA
05.1222.14BDA
Mains Dimming
05.1222.40ANI
05.1222.14ANI
Casambi
05.1222.40ACB
05.1222.14ACB

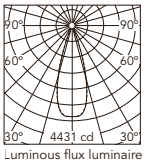
33° FLOOD



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

33° FLOOD



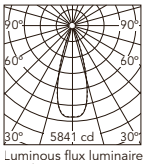
Luminous flux luminaire
1421 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9155.40A
03.9155.14A
Dali Version
03.9155.40BDA
03.9155.14BDA
Mains Dimming
03.9155.40ANI
03.9155.14ANI
Casambi
03.9155.40ACB
03.9155.14ACB
Non Dimmable
03.9156.40A
03.9156.14A
Dali Version
03.9156.40BDA
03.9156.14BDA
Mains Dimming
03.9156.40ANI
03.9156.14ANI
Casambi
03.9156.40ACB
03.9156.14ACB
Non Dimmable
05.1225.40A
05.1225.14A
Dali Version
05.1225.40BDA
05.1225.14BDA
Mains Dimming
05.1225.40ANI
05.1225.14ANI
Casambi
05.1225.40ACB
05.1225.14ACB
Non Dimmable
05.1226.40A
05.1226.14A
Dali Version
05.1226.40BDA
05.1226.14BDA
Mains Dimming
05.1226.40ANI
05.1226.14ANI
Casambi
05.1226.40ACB
05.1226.14ACB
Non Dimmable
05.1227.40A
05.1227.14A
Dali Version
05.1227.40BDA
05.1227.14BDA
Mains Dimming
05.1227.40ANI
05.1227.14ANI
Casambi
05.1227.40ACB
05.1227.14ACB

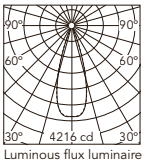
33° FLOOD



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

33° FLOOD



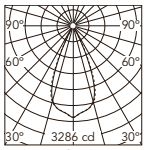
Luminous flux luminaire
1353 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8316.40A
03.8316.14A
Dali Version
03.8316.40BDA
03.8316.14BDA
Mains Dimming
03.8316.40ANI
03.8316.14ANI
Casambi
03.8316.40ACB
03.8316.14ACB
Non Dimmable
03.8317.40A
03.8317.14A
Dali Version
03.8317.40BDA
03.8317.14BDA
Mains Dimming
03.8317.40ANI
03.8317.14ANI
Casambi
03.8317.40ACB
03.8317.14ACB
Non Dimmable
05.1230.40A
05.1230.14A
Dali Version
05.1230.40BDA
05.1230.14BDA
Mains Dimming
05.1230.40ANI
05.1230.14ANI
Casambi
05.1230.40ACB
05.1230.14ACB
Non Dimmable
05.1231.40A
05.1231.14A
Dali Version
05.1231.40BDA
05.1231.14BDA
Mains Dimming
05.1231.40ANI
05.1231.14ANI
Casambi
05.1231.40ACB
05.1231.14ACB
Non Dimmable
05.1232.40A
05.1232.14A
Dali Version
05.1232.40BDA
05.1232.14BDA
Mains Dimming
05.1232.40ANI
05.1232.14ANI
Casambi
05.1232.40ACB
05.1232.14ACB

45° WIDE FLOOD

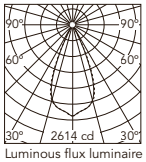


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17

45° WIDE FLOOD



Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

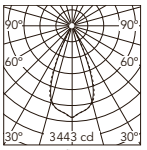
@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8320.40A
03.8320.14A
Dali Version
03.8320.40BDA
03.8320.14BDA
Mains Dimming
03.8320.40ANI
03.8320.14ANI
Casambi
03.8320.40ACB
03.8320.14ACB
Non Dimmable
03.8321.40A
03.8321.14A
Dali Version
03.8321.40BDA
03.8321.14BDA
Mains Dimming
03.8321.40ANI
03.8321.14ANI
Casambi
03.8321.40ACB
03.8321.14ACB
Non Dimmable
05.1235.40A
05.1235.14A
Dali Version
05.1235.40BDA
05.1235.14BDA
Mains Dimming
05.1235.40ANI
05.1235.14ANI
Casambi
05.1235.40ACB
05.1235.14ACB
Non Dimmable
05.1236.40A
05.1236.14A
Dali Version
05.1236.40BDA
05.1236.14BDA
Mains Dimming
05.1236.40ANI
05.1236.14ANI
Casambi
05.1236.40ACB
05.1236.14ACB
Non Dimmable
05.1237.40A
05.1237.14A
Dali Version
05.1237.40BDA
05.1237.14BDA
Mains Dimming
05.1237.40ANI
05.1237.14ANI
Casambi
05.1237.40ACB
05.1237.14ACB

45° WIDE FLOOD

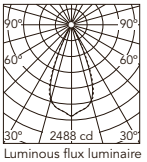


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17

45° WIDE FLOOD



Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

@White (40) 750mA

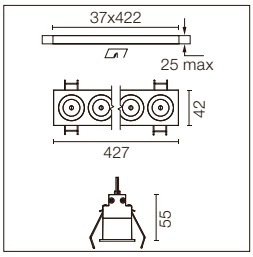
Beam Angle:		45°
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

*Multipack available (12 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A
*Embalaje múltiple disponible (12 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

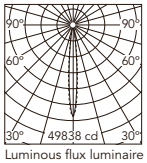
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8844.40A
03.8844.14A
Dali & Push Version
03.8844.40BDA
03.8844.14BDA
Mains Dimming
03.8844.40ANI
03.8844.14ANI
Casambi
03.8844.40ACB
03.8844.14ACB
Non Dimmable
03.8845.40A
03.8845.14A
Dali & Push Version
03.8845.40BDA
03.8845.14BDA
Mains Dimming
03.8845.40ANI
03.8845.14ANI
Casambi
03.8845.40ACB
03.8845.14ACB
Non Dimmable
05.1300.40A
05.1300.14A
Dali & Push Version
05.1300.40BDA
05.1300.14BDA
Mains Dimming
05.1300.40ANI
05.1300.14ANI
Casambi
05.1300.40ACB
05.1300.14ACB
Non Dimmable
05.1301.40A
05.1301.14A
Dali & Push Version
05.1301.40BDA
05.1301.14BDA
Mains Dimming
05.1301.40ANI
05.1301.14ANI
Casambi
05.1301.40ACB
05.1301.14ACB
Non Dimmable
05.1302.40A
05.1302.14A
Dali & Push Version
05.1302.40BDA
05.1302.14BDA
Mains Dimming
05.1302.40ANI
05.1302.14ANI
Casambi
05.1302.40ACB
05.1302.14ACB

10° SPOT

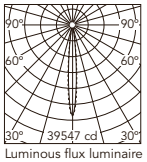


Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2162 lm (EXTREME CUT OFF)

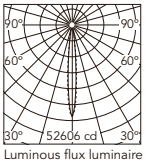
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable
03.8848.40A
03.8848.14A
Dali & Push Version
03.8848.40BDA
03.8848.14BDA
Mains Dimming
03.8848.40ANI
03.8848.14ANI
Casambi
03.8848.40ACB
03.8848.14ACB
Non Dimmable
03.8849.40A
03.8849.14A
Dali & Push Version
03.8849.40BDA
03.8849.14BDA
Mains Dimming
03.8849.40ANI
03.8849.14ANI
Casambi
03.8849.40ACB
03.8849.14ACB
Non Dimmable
05.1305.40A
05.1305.14A
Dali & Push Version
05.1305.40BDA
05.1305.14BDA
Mains Dimming
05.1305.40ANI
05.1305.14ANI
Casambi
05.1305.40ACB
05.1305.14ACB
Non Dimmable
05.1306.40A
05.1306.14A
Dali & Push Version
05.1306.40BDA
05.1306.14BDA
Mains Dimming
05.1306.40ANI
05.1306.14ANI
Casambi
05.1306.40ACB
05.1306.14ACB
Non Dimmable
05.1307.40A
05.1307.14A
Dali & Push Version
05.1307.40BDA
05.1307.14BDA
Mains Dimming
05.1307.40ANI
05.1307.14ANI
Casambi
05.1307.40ACB
05.1307.14ACB

10° SPOT

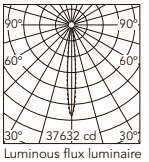


Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2057 lm (EXTREME CUT OFF)

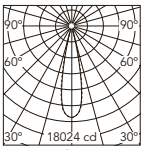
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

Optic Medium 2700K

E I Non Dimmable
03.9160.40A
03.9160.14A
Dali & Push Version
03.9160.40BDA
03.9160.14BDA
Mains Dimming
03.9160.40ANI
03.9160.14ANI
Casambi
03.9160.40ACB
03.9160.14ACB
Non Dimmable
03.9161.40A
03.9161.14A
Dali & Push Version
03.9161.40BDA
03.9161.14BDA
Mains Dimming
03.9161.40ANI
03.9161.14ANI
Casambi
03.9161.40ACB
03.9161.14ACB
Non Dimmable
05.1310.40A
05.1310.14A
Dali & Push Version
05.1310.40BDA
05.1310.14BDA
Mains Dimming
05.1310.40ANI
05.1310.14ANI
Casambi
05.1310.40ACB
05.1310.14ACB
Non Dimmable
05.1311.40A
05.1311.14A
Dali & Push Version
05.1311.40BDA
05.1311.14BDA
Mains Dimming
05.1311.40ANI
05.1311.14ANI
Casambi
05.1311.40ACB
05.1311.14ACB
Non Dimmable
05.1312.40A
05.1312.14A
Dali & Push Version
05.1312.40BDA
05.1312.14BDA
Mains Dimming
05.1312.40ANI
05.1312.14ANI
Casambi
05.1312.40ACB
05.1312.14ACB

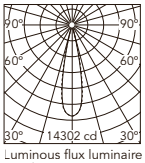
22°
MEDIUM



Luminous flux luminaire
2696 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



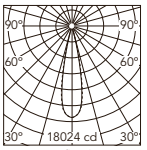
Luminous flux luminaire
2139 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable
03.9170.40A
03.9170.14A
Dali & Push Version
03.9170.40BDA
03.9170.14BDA
Mains Dimming
03.9170.40ANI
03.9170.14ANI
Casambi
03.9170.40ACB
03.9170.14ACB
Non Dimmable
03.9171.40A
03.9171.14A
Dali & Push Version
03.9171.40BDA
03.9171.14BDA
Mains Dimming
03.9171.40ANI
03.9171.14ANI
Casambi
03.9171.40ACB
03.9171.14ACB
Non Dimmable
05.1315.40A
05.1315.14A
Dali & Push Version
05.1315.40BDA
05.1315.14BDA
Mains Dimming
05.1315.40ANI
05.1315.14ANI
Casambi
05.1315.40ACB
05.1315.14ACB
Non Dimmable
05.1316.40A
05.1316.14A
Dali & Push Version
05.1316.40BDA
05.1316.14BDA
Mains Dimming
05.1316.40ANI
05.1316.14ANI
Casambi
05.1316.40ACB
05.1316.14ACB
Non Dimmable
05.1317.40A
05.1317.14A
Dali & Push Version
05.1317.40BDA
05.1317.14BDA
Mains Dimming
05.1317.40ANI
05.1317.14ANI
Casambi
05.1317.40ACB
05.1317.14ACB

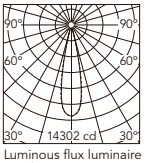
22°
MEDIUM



Luminous flux luminaire
2696 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



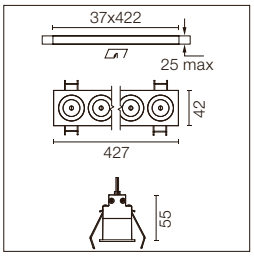
Luminous flux luminaire
2139 lm (EXTREME CUT OFF)
@White (40) 750mA

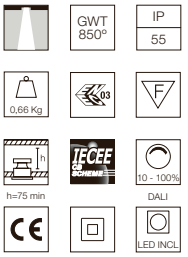
Beam Angle:	22°
h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Light Shadow Fixed Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

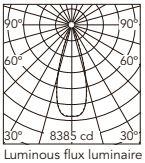
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9165.40A
03.9165.14A
Dali & Push Version
03.9165.40BDA
03.9165.14BDA
Mains Dimming
03.9165.40ANI
03.9165.14ANI
Casambi
03.9165.40ACB
03.9165.14ACB
Non Dimmable
03.9166.40A
03.9166.14A
Dali & Push Version
03.9166.40BDA
03.9166.14BDA
Mains Dimming
03.9166.40ANI
03.9166.14ANI
Casambi
03.9166.40ACB
03.9166.14ACB
Non Dimmable
05.1320.40A
05.1320.14A
Dali & Push Version
05.1320.40BDA
05.1320.14BDA
Mains Dimming
05.1320.40ANI
05.1320.14ANI
Casambi
05.1320.40ACB
05.1320.14ACB
Non Dimmable
05.1321.40A
05.1321.14A
Dali & Push Version
05.1321.40BDA
05.1321.14BDA
Mains Dimming
05.1321.40ANI
05.1321.14ANI
Casambi
05.1321.40ACB
05.1321.14ACB
Non Dimmable
05.1322.40A
05.1322.14A
Dali & Push Version
05.1322.40BDA
05.1322.14BDA
Mains Dimming
05.1322.40ANI
05.1322.14ANI
Casambi
05.1322.40ACB
05.1322.14ACB

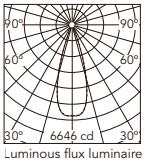
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



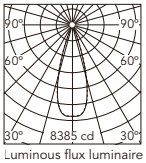
Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Flood 3000K

E I Non Dimmable
03.9175.40A
03.9175.14A
Dali & Push Version
03.9175.40BDA
03.9175.14BDA
Mains Dimming
03.9175.40ANI
03.9175.14ANI
Casambi
03.9175.40ACB
03.9175.14ACB
Non Dimmable
03.9176.40A
03.9176.14A
Dali & Push Version
03.9176.40BDA
03.9176.14BDA
Mains Dimming
03.9176.40ANI
03.9176.14ANI
Casambi
03.9176.40ACB
03.9176.14ACB
Non Dimmable
05.1325.40A
05.1325.14A
Dali & Push Version
05.1325.40BDA
05.1325.14BDA
Mains Dimming
05.1325.40ANI
05.1325.14ANI
Casambi
05.1325.40ACB
05.1325.14ACB
Non Dimmable
05.1326.40A
05.1326.14A
Dali & Push Version
05.1326.40BDA
05.1326.14BDA
Mains Dimming
05.1326.40ANI
05.1326.14ANI
Casambi
05.1326.40ACB
05.1326.14ACB
Non Dimmable
05.1327.40A
05.1327.14A
Dali & Push Version
05.1327.40BDA
05.1327.14BDA
Mains Dimming
05.1327.40ANI
05.1327.14ANI
Casambi
05.1327.40ACB
05.1327.14ACB

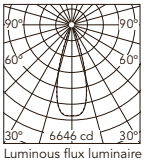
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



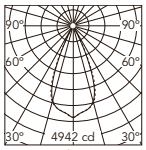
Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8324.40A
03.8324.14A
Dali & Push Version
03.8324.40BDA
03.8324.14BDA
Mains Dimming
03.8324.40ANI
03.8324.14ANI
Casambi
03.8324.40ACB
03.8324.14ACB
Non Dimmable
03.8325.40A
03.8325.14A
Dali & Push Version
03.8325.40BDA
03.8325.14BDA
Mains Dimming
03.8325.40ANI
03.8325.14ANI
Casambi
03.8325.40ACB
03.8325.14ACB
Non Dimmable
05.1330.40A
05.1330.14A
Dali & Push Version
05.1330.40BDA
05.1330.14BDA
Mains Dimming
05.1330.40ANI
05.1330.14ANI
Casambi
05.1330.40ACB
05.1330.14ACB
Non Dimmable
05.1331.40A
05.1331.14A
Dali & Push Version
05.1331.40BDA
05.1331.14BDA
Mains Dimming
05.1331.40ANI
05.1331.14ANI
Casambi
05.1331.40ACB
05.1331.14ACB
Non Dimmable
05.1332.40A
05.1332.14A
Dali & Push Version
05.1332.40BDA
05.1332.14BDA
Mains Dimming
05.1332.40ANI
05.1332.14ANI
Casambi
05.1332.40ACB
05.1332.14ACB

45° WIDE FLOOD



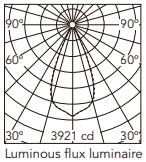
Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

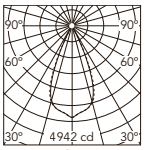
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8328.40A
03.8328.14A
Dali & Push Version
03.8328.40BDA
03.8328.14BDA
Mains Dimming
03.8328.40ANI
03.8328.14ANI
Casambi
03.8328.40ACB
03.8328.14ACB
Non Dimmable
03.8329.40A
03.8329.14A
Dali & Push Version
03.8329.40BDA
03.8329.14BDA
Mains Dimming
03.8329.40ANI
03.8329.14ANI
Casambi
03.8329.40ACB
03.8329.14ACB
Non Dimmable
05.1335.40A
05.1335.14A
Dali & Push Version
05.1335.40BDA
05.1335.14BDA
Mains Dimming
05.1335.40ANI
05.1335.14ANI
Casambi
05.1335.40ACB
05.1335.14ACB
Non Dimmable
05.1336.40A
05.1336.14A
Dali & Push Version
05.1336.40BDA
05.1336.14BDA
Mains Dimming
05.1336.40ANI
05.1336.14ANI
Casambi
05.1336.40ACB
05.1336.14ACB
Non Dimmable
05.1337.40A
05.1337.14A
Dali & Push Version
05.1337.40BDA
05.1337.14BDA
Mains Dimming
05.1337.40ANI
05.1337.14ANI
Casambi
05.1337.40ACB
05.1337.14ACB

45° WIDE FLOOD



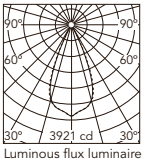
Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

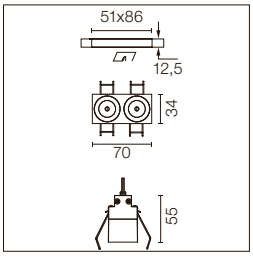
Beam Angle: 45°

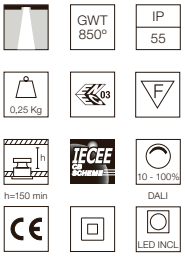
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Light Shadow Fixed No Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

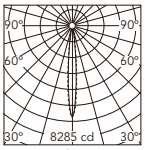
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8852.40A
03.8852.14A
Dali Version
03.8852.40BDA
03.8852.14BDA
Mains Dimming
03.8852.40ANI
03.8852.14ANI
Casambi
03.8852.40ACB
03.8852.14ACB
Non Dimmable
03.8853.40A
03.8853.14A
Dali Version
03.8853.40BDA
03.8853.14BDA
Mains Dimming
03.8853.40ANI
03.8853.14ANI
Casambi
03.8853.40ACB
03.8853.14ACB
Non Dimmable
05.1040.40A
05.1040.14A
Dali Version
05.1040.40BDA
05.1040.14BDA
Mains Dimming
05.1040.40ANI
05.1040.14ANI
Casambi
05.1040.40ACB
05.1040.14ACB
Non Dimmable
05.1041.40A
05.1041.14A
Dali Version
05.1041.40BDA
05.1041.14BDA
Mains Dimming
05.1041.40ANI
05.1041.14ANI
Casambi
05.1041.40ACB
05.1041.14ACB
Non Dimmable
05.1042.40A
05.1042.14A
Dali Version
05.1042.40BDA
05.1042.14BDA
Mains Dimming
05.1042.40ANI
05.1042.14ANI
Casambi
05.1042.40ACB
05.1042.14ACB





Luminous flux luminaire
453 lm (EXTREME CUT OFF)

@White (40)

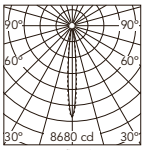
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

Optic Spot 3000K

E I Non Dimmable
03.8856.40A
03.8856.14A
Dali Version
03.8856.40BDA
03.8856.14BDA
Mains Dimming
03.8856.40ANI
03.8856.14ANI
Casambi
03.8856.40ACB
03.8856.14ACB
Non Dimmable
03.8857.40A
03.8857.14A
Dali Version
03.8857.40BDA
03.8857.14BDA
Mains Dimming
03.8857.40ANI
03.8857.14ANI
Casambi
03.8857.40ACB
03.8857.14ACB
Non Dimmable
05.1045.40A
05.1045.14A
Dali Version
05.1045.40BDA
05.1045.14BDA
Mains Dimming
05.1045.40ANI
05.1045.14ANI
Casambi
05.1045.40ACB
05.1045.14ACB
Non Dimmable
05.1046.40A
05.1046.14A
Dali Version
05.1046.40BDA
05.1046.14BDA
Mains Dimming
05.1046.40ANI
05.1046.14ANI
Casambi
05.1046.40ACB
05.1046.14ACB
Non Dimmable
05.1047.40A
05.1047.14A
Dali Version
05.1047.40BDA
05.1047.14BDA
Mains Dimming
05.1047.40ANI
05.1047.14ANI
Casambi
05.1047.40ACB
05.1047.14ACB





Luminous flux luminaire
475 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	542	0.70
5	347	0.87

Optic Medium 2700K

E I

Non Dimmable
03.9200.40A
03.9200.14A

Dali Version
03.9200.40BDA
03.9200.14BDA

Mains Dimming
03.9200.40ANI
03.9200.14ANI

Casambi
03.9200.40ACB
03.9200.14ACB

Non Dimmable
03.9201.40A
03.9201.14A

Dali Version
03.9201.40BDA
03.9201.14BDA

Mains Dimming
03.9201.40ANI
03.9201.14ANI

Casambi
03.9201.40ACB
03.9201.14ACB

Non Dimmable
05.1050.40A
05.1050.14A

Dali Version
05.1050.40BDA
05.1050.14BDA

Mains Dimming
05.1050.40ANI
05.1050.14ANI

Casambi
05.1050.40ACB
05.1050.14ACB

Non Dimmable
05.1051.40A
05.1051.14A

Dali Version
05.1051.40BDA
05.1051.14BDA

Mains Dimming
05.1051.40ANI
05.1051.14ANI

Casambi
05.1051.40ACB
05.1051.14ACB

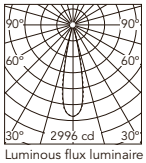
Non Dimmable
05.1052.40A
05.1052.14A

Dali Version
05.1052.40BDA
05.1052.14BDA

Mains Dimming
05.1052.40ANI
05.1052.14ANI

Casambi
05.1052.40ACB
05.1052.14ACB





Luminous flux luminaire
448 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9210.40A
03.9210.14A

Dali Version
03.9210.40BDA
03.9210.14BDA

Mains Dimming
03.9210.40ANI
03.9210.14ANI

Casambi
03.9210.40ACB
03.9210.14ACB

Non Dimmable
03.9211.40A
03.9211.14A

Dali Version
03.9211.40BDA
03.9211.14BDA

Mains Dimming
03.9211.40ANI
03.9211.14ANI

Casambi
03.9211.40ACB
03.9211.14ACB

Non Dimmable
05.1055.40A
05.1055.14A

Dali Version
05.1055.40BDA
05.1055.14BDA

Mains Dimming
05.1055.40ANI
05.1055.14ANI

Casambi
05.1055.40ACB
05.1055.14ACB

Non Dimmable
05.1056.40A
05.1056.14A

Dali Version
05.1056.40BDA
05.1056.14BDA

Mains Dimming
05.1056.40ANI
05.1056.14ANI

Casambi
05.1056.40ACB
05.1056.14ACB

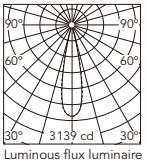
Non Dimmable
05.1057.40A
05.1057.14A

Dali Version
05.1057.40BDA
05.1057.14BDA

Mains Dimming
05.1057.40ANI
05.1057.14ANI

Casambi
05.1057.40ACB
05.1057.14ACB





Luminous flux luminaire
470 lm [EXTREME CUT OFF]

@White (40)

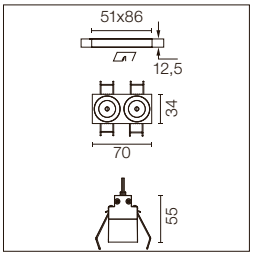
Beam Angle: 22°

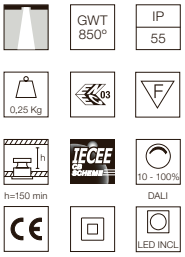
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Fixed No Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

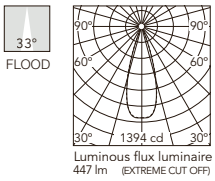
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9205.40A
03.9205.14A
Dali Version
03.9205.40BDA
03.9205.14BDA
Mains Dimming
03.9205.40ANI
03.9205.14ANI
Casambi
03.9205.40ACB
03.9205.14ACB
Non Dimmable
03.9206.40A
03.9206.14A
Dali Version
03.9206.40BDA
03.9206.14BDA
Mains Dimming
03.9206.40ANI
03.9206.14ANI
Casambi
03.9206.40ACB
03.9206.14ACB
Non Dimmable
05.1060.40A
05.1060.14A
Dali Version
05.1060.40BDA
05.1060.14BDA
Mains Dimming
05.1060.40ANI
05.1060.14ANI
Casambi
05.1060.40ACB
05.1060.14ACB
Non Dimmable
05.1061.40A
05.1061.14A
Dali Version
05.1061.40BDA
05.1061.14BDA
Mains Dimming
05.1061.40ANI
05.1061.14ANI
Casambi
05.1061.40ACB
05.1061.14ACB
Non Dimmable
05.1062.40A
05.1062.14A
Dali Version
05.1062.40BDA
05.1062.14BDA
Mains Dimming
05.1062.40ANI
05.1062.14ANI
Casambi
05.1062.40ACB
05.1062.14ACB



Luminous flux luminaire
447 lm (EXTREME CUT OFF)

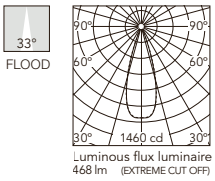
@White (40)

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1392 0.59
2	348 1.18
3	155 1.78
4	87 2.37
5	56 2.96

Optic Flood 3000K

E I

Non Dimmable
03.9215.40A
03.9215.14A
Dali Version
03.9215.40BDA
03.9215.14BDA
Mains Dimming
03.9215.40ANI
03.9215.14ANI
Casambi
03.9215.40ACB
03.9215.14ACB
Non Dimmable
03.9216.40A
03.9216.14A
Dali Version
03.9216.40BDA
03.9216.14BDA
Mains Dimming
03.9216.40ANI
03.9216.14ANI
Casambi
03.9216.40ACB
03.9216.14ACB
Non Dimmable
05.1065.40A
05.1065.14A
Dali Version
05.1065.40BDA
05.1065.14BDA
Mains Dimming
05.1065.40ANI
05.1065.14ANI
Casambi
05.1065.40ACB
05.1065.14ACB
Non Dimmable
05.1066.40A
05.1066.14A
Dali Version
05.1066.40BDA
05.1066.14BDA
Mains Dimming
05.1066.40ANI
05.1066.14ANI
Casambi
05.1066.40ACB
05.1066.14ACB
Non Dimmable
05.1067.40A
05.1067.14A
Dali Version
05.1067.40BDA
05.1067.14BDA
Mains Dimming
05.1067.40ANI
05.1067.14ANI
Casambi
05.1067.40ACB
05.1067.14ACB



Luminous flux luminaire
468 lm (EXTREME CUT OFF)

@White (40)

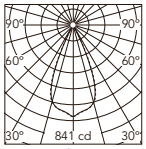
Beam Angle:	33°
h(m)	E(lx) D(m)
1	1459 0.59
2	365 1.18
3	162 1.78
4	91 2.37
5	58 2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8350.40A
03.8350.14A
Dali Version
03.8350.40BDA
03.8350.14BDA
Mains Dimming
03.8350.40ANI
03.8350.14ANI
Casambi
03.8350.40ACB
03.8350.14ACB
Non Dimmable
03.8351.40A
03.8351.14A
Dali Version
03.8351.40BDA
03.8351.14BDA
Mains Dimming
03.8351.40ANI
03.8351.14ANI
Casambi
03.8351.40ACB
03.8351.14ACB
Non Dimmable
05.1070.40A
05.1070.14A
Dali Version
05.1070.40BDA
05.1070.14BDA
Mains Dimming
05.1070.40ANI
05.1070.14ANI
Casambi
05.1070.40ACB
05.1070.14ACB
Non Dimmable
05.1071.40A
05.1071.14A
Dali Version
05.1071.40BDA
05.1071.14BDA
Mains Dimming
05.1071.40ANI
05.1071.14ANI
Casambi
05.1071.40ACB
05.1071.14ACB
Non Dimmable
05.1072.40A
05.1072.14A
Dali Version
05.1072.40BDA
05.1072.14BDA
Mains Dimming
05.1072.40ANI
05.1072.14ANI
Casambi
05.1072.40ACB
05.1072.14ACB



WIDE FLOOD



Luminous flux luminaire
443 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 46°

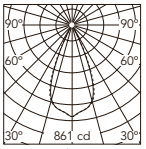
h(m)	E(lx)	D(m)
1	841	0.84
2	210	1.69
3	93	2.53
4	53	3.38
5	34	4.22

Optic Wide Flood 3000K

E I Non Dimmable
03.8354.40A
03.8354.14A
Dali Version
03.8354.40BDA
03.8354.14BDA
Mains Dimming
03.8354.40ANI
03.8354.14ANI
Casambi
03.8354.40ACB
03.8354.14ACB
Non Dimmable
03.8355.40A
03.8355.14A
Dali Version
03.8355.40BDA
03.8355.14BDA
Mains Dimming
03.8355.40ANI
03.8355.14ANI
Casambi
03.8355.40ACB
03.8355.14ACB
Non Dimmable
05.1075.40A
05.1075.14A
Dali Version
05.1075.40BDA
05.1075.14BDA
Mains Dimming
05.1075.40ANI
05.1075.14ANI
Casambi
05.1075.40ACB
05.1075.14ACB
Non Dimmable
05.1076.40A
05.1076.14A
Dali Version
05.1076.40BDA
05.1076.14BDA
Mains Dimming
05.1076.40ANI
05.1076.14ANI
Casambi
05.1076.40ACB
05.1076.14ACB
Non Dimmable
05.1077.40A
05.1077.14A
Dali Version
05.1077.40BDA
05.1077.14BDA
Mains Dimming
05.1077.40ANI
05.1077.14ANI
Casambi
05.1077.40ACB
05.1077.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm [EXTREME CUT OFF]

@White (40)

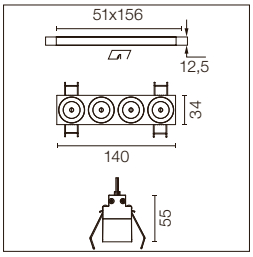
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

Light Shadow Fixed No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable

03.8860.40A
03.8860.14A

Dali Version

03.8860.40BDA
03.8860.14BDA

Mains Dimming

03.8860.40ANI
03.8860.14ANI

Casambi

03.8860.40ACB
03.8860.14ACB

Non Dimmable

03.8861.40A
03.8861.14A

Dali Version

03.8861.40BDA
03.8861.14BDA

Mains Dimming

03.8861.40ANI
03.8861.14ANI

Casambi

03.8861.40ACB
03.8861.14ACB

Non Dimmable

05.1140.40A
05.1140.14A

Dali Version

05.1140.40BDA
05.1140.14BDA

Mains Dimming

05.1140.40ANI
05.1140.14ANI

Casambi

05.1140.40ACB
05.1140.14ACB

Non Dimmable

05.1141.40A
05.1141.14A

Dali Version

05.1141.40BDA
05.1141.14BDA

Mains Dimming

05.1141.40ANI
05.1141.14ANI

Casambi

05.1141.40ACB
05.1141.14ACB

Non Dimmable

05.1142.40A
05.1142.14A

Dali Version

05.1142.40BDA
05.1142.14BDA

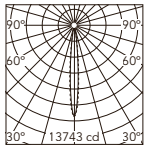
Mains Dimming

05.1142.40ANI
05.1142.14ANI

Casambi

05.1142.40ACB
05.1142.14ACB





Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I Non Dimmable

03.8864.40A
03.8864.14A

Dali Version

03.8864.40BDA
03.8864.14BDA

Mains Dimming

03.8864.40ANI
03.8864.14ANI

Casambi

03.8864.40ACB
03.8864.14ACB

Non Dimmable

03.8865.40A
03.8865.14A

Dali Version

03.8865.40BDA
03.8865.14BDA

Mains Dimming

03.8865.40ANI
03.8865.14ANI

Casambi

03.8865.40ACB
03.8865.14ACB

Non Dimmable

05.1145.40A
05.1145.14A

Dali Version

05.1145.40BDA
05.1145.14BDA

Mains Dimming

05.1145.40ANI
05.1145.14ANI

Casambi

05.1145.40ACB
05.1145.14ACB

Non Dimmable

05.1146.40A
05.1146.14A

Dali Version

05.1146.40BDA
05.1146.14BDA

Mains Dimming

05.1146.40ANI
05.1146.14ANI

Casambi

05.1146.40ACB
05.1146.14ACB

Non Dimmable

05.1147.40A
05.1147.14A

Dali Version

05.1147.40BDA
05.1147.14BDA

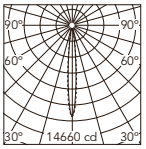
Mains Dimming

05.1147.40ANI
05.1147.14ANI

Casambi

05.1147.40ACB
05.1147.14ACB





Luminous flux luminaire
801 lm (EXTREME CUT OFF)

@White (40)

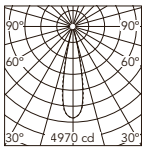
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Optic Medium 2700K

E I Non Dimmable
03.9220.40A
03.9220.14A
Dali Version
03.9220.40BDA
03.9220.14BDA
Mains Dimming
03.9220.40ANI
03.9220.14ANI
Casambi
03.9220.40ACB
03.9220.14ACB
Non Dimmable
03.9221.40A
03.9221.14A
Dali Version
03.9221.40BDA
03.9221.14BDA
Mains Dimming
03.9221.40ANI
03.9221.14ANI
Casambi
03.9221.40ACB
03.9221.14ACB
Non Dimmable
05.1150.40A
05.1150.14A
Dali Version
05.1150.40BDA
05.1150.14BDA
Mains Dimming
05.1150.40ANI
05.1150.14ANI
Casambi
05.1150.40ACB
05.1150.14ACB
Non Dimmable
05.1151.40A
05.1151.14A
Dali Version
05.1151.40BDA
05.1151.14BDA
Mains Dimming
05.1151.40ANI
05.1151.14ANI
Casambi
05.1151.40ACB
05.1151.14ACB
Non Dimmable
05.1152.40A
05.1152.14A
Dali Version
05.1152.40BDA
05.1152.14BDA
Mains Dimming
05.1152.40ANI
05.1152.14ANI
Casambi
05.1152.40ACB
05.1152.14ACB





Luminous flux luminaire
744 lm [EXTREME CUT OFF]

@White (40)

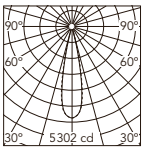
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I Non Dimmable
03.9230.40A
03.9230.14A
Dali Version
03.9230.40BDA
03.9230.14BDA
Mains Dimming
03.9230.40ANI
03.9230.14ANI
Casambi
03.9230.40ACB
03.9230.14ACB
Non Dimmable
03.9231.40A
03.9231.14A
Dali Version
03.9231.40BDA
03.9231.14BDA
Mains Dimming
03.9231.40ANI
03.9231.14ANI
Casambi
03.9231.40ACB
03.9231.14ACB
Non Dimmable
05.1155.40A
05.1155.14A
Dali Version
05.1155.40BDA
05.1155.14BDA
Mains Dimming
05.1155.40ANI
05.1155.14ANI
Casambi
05.1155.40ACB
05.1155.14ACB
Non Dimmable
05.1156.40A
05.1156.14A
Dali Version
05.1156.40BDA
05.1156.14BDA
Mains Dimming
05.1156.40ANI
05.1156.14ANI
Casambi
05.1156.40ACB
05.1156.14ACB
Non Dimmable
05.1157.40A
05.1157.14A
Dali Version
05.1157.40BDA
05.1157.14BDA
Mains Dimming
05.1157.40ANI
05.1157.14ANI
Casambi
05.1157.40ACB
05.1157.14ACB





Luminous flux luminaire
793 lm [EXTREME CUT OFF]

@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

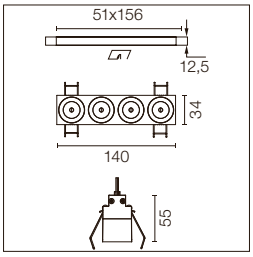


*Multipack available (14 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A
*Embalaje múltiple disponible (14 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

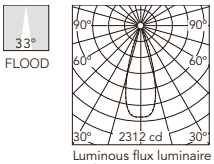
* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I

Non Dimmable
03.9225.40A
03.9225.14A
Dali Version
03.9225.40BDA
03.9225.14BDA
Mains Dimming
03.9225.40ANI
03.9225.14ANI
Casambi
03.9225.40ACB
03.9225.14ACB
Non Dimmable
03.9226.40A
03.9226.14A
Dali Version
03.9226.40BDA
03.9226.14BDA
Mains Dimming
03.9226.40ANI
03.9226.14ANI
Casambi
03.9226.40ACB
03.9226.14ACB
Non Dimmable
05.1160.40A
05.1160.14A
Dali Version
05.1160.40BDA
05.1160.14BDA
Mains Dimming
05.1160.40ANI
05.1160.14ANI
Casambi
05.1160.40ACB
05.1160.14ACB
Non Dimmable
05.1161.40A
05.1161.14A
Dali Version
05.1161.40BDA
05.1161.14BDA
Mains Dimming
05.1161.40ANI
05.1161.14ANI
Casambi
05.1161.40ACB
05.1161.14ACB
Non Dimmable
05.1162.40A
05.1162.14A
Dali Version
05.1162.40BDA
05.1162.14BDA
Mains Dimming
05.1162.40ANI
05.1162.14ANI
Casambi
05.1162.40ACB
05.1162.14ACB



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

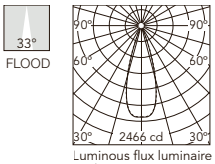
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I

Non Dimmable
03.9235.40A
03.9235.14A
Dali Version
03.9235.40BDA
03.9235.14BDA
Mains Dimming
03.9235.40ANI
03.9235.14ANI
Casambi
03.9235.40ACB
03.9235.14ACB
Non Dimmable
03.9236.40A
03.9236.14A
Dali Version
03.9236.40BDA
03.9236.14BDA
Mains Dimming
03.9236.40ANI
03.9236.14ANI
Casambi
03.9236.40ACB
03.9236.14ACB
Non Dimmable
05.1165.40A
05.1165.14A
Dali Version
05.1165.40BDA
05.1165.14BDA
Mains Dimming
05.1165.40ANI
05.1165.14ANI
Casambi
05.1165.40ACB
05.1165.14ACB
Non Dimmable
05.1166.40A
05.1166.14A
Dali Version
05.1166.40BDA
05.1166.14BDA
Mains Dimming
05.1166.40ANI
05.1166.14ANI
Casambi
05.1166.40ACB
05.1166.14ACB
Non Dimmable
05.1167.40A
05.1167.14A
Dali Version
05.1167.40BDA
05.1167.14BDA
Mains Dimming
05.1167.40ANI
05.1167.14ANI
Casambi
05.1167.40ACB
05.1167.14ACB



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Optic Wide Flood 2700K

E I

Non Dimmable
03.8358.40A
03.8358.14A

Dali Version
03.8358.40BDA
03.8358.14BDA

Mains Dimming
03.8358.40ANI
03.8358.14ANI

Casambi
03.8358.40ACB
03.8358.14ACB

Non Dimmable
03.8359.40A
03.8359.14A

Dali Version
03.8359.40BDA
03.8359.14BDA

Mains Dimming
03.8359.40ANI
03.8359.14ANI

Casambi
03.8359.40ACB
03.8359.14ACB

Non Dimmable
05.1170.40A
05.1170.14A

Dali Version
05.1170.40BDA
05.1170.14BDA

Mains Dimming
05.1170.40ANI
05.1170.14ANI

Casambi
05.1170.40ACB
05.1170.14ACB

Non Dimmable
05.1171.40A
05.1171.14A

Dali Version
05.1171.40BDA
05.1171.14BDA

Mains Dimming
05.1171.40ANI
05.1171.14ANI

Casambi
05.1171.40ACB
05.1171.14ACB

Non Dimmable
05.1172.40A
05.1172.14A

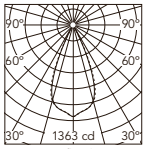
Dali Version
05.1172.40BDA
05.1172.14BDA

Mains Dimming
05.1172.40ANI
05.1172.14ANI

Casambi
05.1172.40ACB
05.1172.14ACB



WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.8362.40A
03.8362.14A

Dali Version
03.8362.40BDA
03.8362.14BDA

Mains Dimming
03.8362.40ANI
03.8362.14ANI

Casambi
03.8362.40ACB
03.8362.14ACB

Non Dimmable
03.8363.40A
03.8363.14A

Dali Version
03.8363.40BDA
03.8363.14BDA

Mains Dimming
03.8363.40ANI
03.8363.14ANI

Casambi
03.8363.40ACB
03.8363.14ACB

Non Dimmable
05.1175.40A
05.1175.14A

Dali Version
05.1175.40BDA
05.1175.14BDA

Mains Dimming
05.1175.40ANI
05.1175.14ANI

Casambi
05.1175.40ACB
05.1175.14ACB

Non Dimmable
05.1176.40A
05.1176.14A

Dali Version
05.1176.40BDA
05.1176.14BDA

Mains Dimming
05.1176.40ANI
05.1176.14ANI

Casambi
05.1176.40ACB
05.1176.14ACB

Non Dimmable
05.1177.40A
05.1177.14A

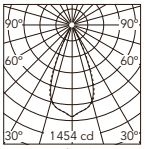
Dali Version
05.1177.40BDA
05.1177.14BDA

Mains Dimming
05.1177.40ANI
05.1177.14ANI

Casambi
05.1177.40ACB
05.1177.14ACB



WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

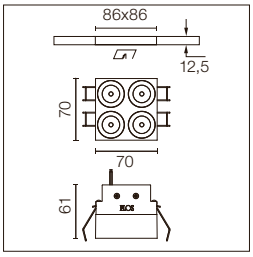
*Multipack available (14 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A

*Embalaje múltiple disponible (14 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish.

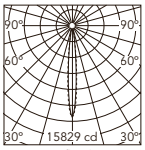
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
05.0640.40
05.0640.14
Dali Version
05.0640.40.DA
05.0640.14.DA
Mains Dimming
05.0640.40.NI
05.0640.14.NI
Casambi
05.0640.40.CB
05.0640.14.CB
Non Dimmable
05.0641.40
05.0641.14
Dali Version
05.0641.40.DA
05.0641.14.DA
Mains Dimming
05.0641.40.NI
05.0641.14.NI
Casambi
05.0641.40.CB
05.0641.14.CB
Non Dimmable
05.0643.40
05.0643.14
Dali Version
05.0643.40.DA
05.0643.14.DA
Mains Dimming
05.0643.40.NI
05.0643.14.NI
Casambi
05.0643.40.CB
05.0643.14.CB
Non Dimmable
05.0644.40
05.0644.14
Dali Version
05.0644.40.DA
05.0644.14.DA
Mains Dimming
05.0644.40.NI
05.0644.14.NI
Casambi
05.0644.40.CB
05.0644.14.CB
Non Dimmable
05.0642.40
05.0642.14
Dali Version
05.0642.40.DA
05.0642.14.DA
Mains Dimming
05.0642.40.NI
05.0642.14.NI
Casambi
05.0642.40.CB
05.0642.14.CB





Luminous flux luminaire
865 lm (EXTREME CUT OFF)

@White (40)

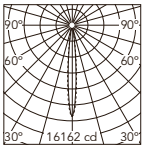
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

Optic Spot 3000K

E I Non Dimmable
05.0645.40
05.0645.14
Dali Version
05.0645.40.DA
05.0645.14.DA
Mains Dimming
05.0645.40.NI
05.0645.14.NI
Casambi
05.0645.40.CB
05.0645.14.CB
Non Dimmable
05.0646.40
05.0646.14
Dali Version
05.0646.40.DA
05.0646.14.DA
Mains Dimming
05.0646.40.NI
05.0646.14.NI
Casambi
05.0646.40.CB
05.0646.14.CB
Non Dimmable
05.0648.40
05.0648.14
Dali Version
05.0648.40.DA
05.0648.14.DA
Mains Dimming
05.0648.40.NI
05.0648.14.NI
Casambi
05.0648.40.CB
05.0648.14.CB
Non Dimmable
05.0649.40
05.0649.14
Dali Version
05.0649.40.DA
05.0649.14.DA
Mains Dimming
05.0649.40.NI
05.0649.14.NI
Casambi
05.0649.40.CB
05.0649.14.CB
Non Dimmable
05.0647.40
05.0647.14
Dali Version
05.0647.40.DA
05.0647.14.DA
Mains Dimming
05.0647.40.NI
05.0647.14.NI
Casambi
05.0647.40.CB
05.0647.14.CB





Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40)

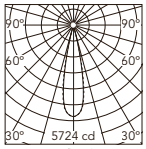
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

Optic Medium 2700K

E I Non Dimmable
05.0650.40
05.0650.14
Dali Version
05.0650.40.DA
05.0650.14.DA
Mains Dimming
05.0650.40.NI
05.0650.14.NI
Casambi
05.0650.40.CB
05.0650.14.CB
Non Dimmable
05.0651.40
05.0651.14
Dali Version
05.0651.40.DA
05.0651.14.DA
Mains Dimming
05.0651.40.NI
05.0651.14.NI
Casambi
05.0651.40.CB
05.0651.14.CB
Non Dimmable
05.0653.40
05.0653.14
Dali Version
05.0653.40.DA
05.0653.14.DA
Mains Dimming
05.0653.40.NI
05.0653.14.NI
Casambi
05.0653.40.CB
05.0653.14.CB
Non Dimmable
05.0654.40
05.0654.14
Dali Version
05.0654.40.DA
05.0654.14.DA
Mains Dimming
05.0654.40.NI
05.0654.14.NI
Casambi
05.0654.40.CB
05.0654.14.CB
Non Dimmable
05.0652.40
05.0652.14
Dali Version
05.0652.40.DA
05.0652.14.DA
Mains Dimming
05.0652.40.NI
05.0652.14.NI
Casambi
05.0652.40.CB
05.0652.14.CB

22°
MEDIUM



Luminous flux luminaire
856 lm (EXTREME CUT OFF)

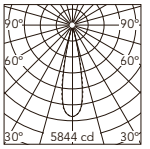
@White (40)

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

Optic Medium 3000K

E I Non Dimmable
05.0655.40
05.0655.14
Dali Version
05.0655.40.DA
05.0655.14.DA
Mains Dimming
05.0655.40.NI
05.0655.14.NI
Casambi
05.0655.40.CB
05.0655.14.CB
Non Dimmable
05.0656.40
05.0656.14
Dali Version
05.0656.40.DA
05.0656.14.DA
Mains Dimming
05.0656.40.NI
05.0656.14.NI
Casambi
05.0656.40.CB
05.0656.14.CB
Non Dimmable
05.0658.40
05.0658.14
Dali Version
05.0658.40.DA
05.0658.14.DA
Mains Dimming
05.0658.40.NI
05.0658.14.NI
Casambi
05.0658.40.CB
05.0658.14.CB
Non Dimmable
05.0659.40
05.0659.14
Dali Version
05.0659.40.DA
05.0659.14.DA
Mains Dimming
05.0659.40.NI
05.0659.14.NI
Casambi
05.0659.40.CB
05.0659.14.CB
Non Dimmable
05.0657.40
05.0657.14
Dali Version
05.0657.40.DA
05.0657.14.DA
Mains Dimming
05.0657.40.NI
05.0657.14.NI
Casambi
05.0657.40.CB
05.0657.14.CB

22°
MEDIUM



Luminous flux luminaire
874 lm (EXTREME CUT OFF)

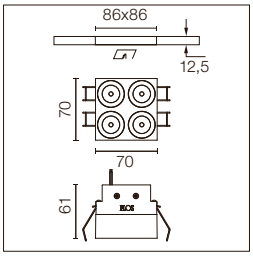
@White (40)

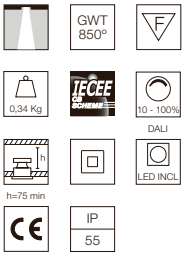
Beam Angle:	22°
h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

Light Shadow Fixed No Trim 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

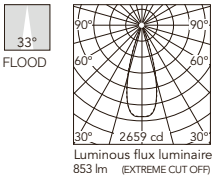
E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
05.0660.40
05.0660.14
Dali Version
05.0660.40.DA
05.0660.14.DA
Mains Dimming
05.0660.40.NI
05.0660.14.NI
Casambi
05.0660.40.CB
05.0660.14.CB
Non Dimmable
05.0661.40
05.0661.14
Dali Version
05.0661.40.DA
05.0661.14.DA
Mains Dimming
05.0661.40.NI
05.0661.14.NI
Casambi
05.0661.40.CB
05.0661.14.CB
Non Dimmable
05.0663.40
05.0663.14
Dali Version
05.0663.40.DA
05.0663.14.DA
Mains Dimming
05.0663.40.NI
05.0663.14.NI
Casambi
05.0663.40.CB
05.0663.14.CB
Non Dimmable
05.0664.40
05.0664.14
Dali Version
05.0664.40.DA
05.0664.14.DA
Mains Dimming
05.0664.40.NI
05.0664.14.NI
Casambi
05.0664.40.CB
05.0664.14.CB
Non Dimmable
05.0662.40
05.0662.14
Dali Version
05.0662.40.DA
05.0662.14.DA
Mains Dimming
05.0662.40.NI
05.0662.14.NI
Casambi
05.0662.40.CB
05.0662.14.CB



Beam Angle: 33°

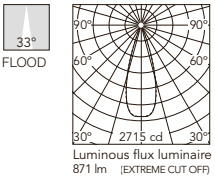
h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@White (40)

Optic Flood 3000K

E I Non Dimmable
05.0665.40
05.0665.14
Dali Version
05.0665.40.DA
05.0665.14.DA
Mains Dimming
05.0665.40.NI
05.0665.14.NI
Casambi
05.0665.40.CB
05.0665.14.CB
Non Dimmable
05.0666.40
05.0666.14
Dali Version
05.0666.40.DA
05.0666.14.DA
Mains Dimming
05.0666.40.NI
05.0666.14.NI
Casambi
05.0666.40.CB
05.0666.14.CB
Non Dimmable
05.0668.40
05.0668.14
Dali Version
05.0668.40.DA
05.0668.14.DA
Mains Dimming
05.0668.40.NI
05.0668.14.NI
Casambi
05.0668.40.CB
05.0668.14.CB
Non Dimmable
05.0669.40
05.0669.14
Dali Version
05.0669.40.DA
05.0669.14.DA
Mains Dimming
05.0669.40.NI
05.0669.14.NI
Casambi
05.0669.40.CB
05.0669.14.CB
Non Dimmable
05.0667.40
05.0667.14
Dali Version
05.0667.40.DA
05.0667.14.DA
Mains Dimming
05.0667.40.NI
05.0667.14.NI
Casambi
05.0667.40.CB
05.0667.14.CB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

Luminous flux luminaire
871 lm (EXTREME CUT OFF)

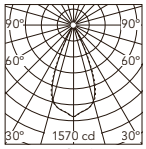
@White (40)

Optic Wide Flood
2700K

E I Non Dimmable
05.0670.40
05.0670.14
Dali Version
05.0670.40.DA
05.0670.14.DA
Mains Dimming
05.0670.40.NI
05.0670.14.NI
Casambi
05.0670.40.CB
05.0670.14.CB
Non Dimmable
05.0671.40
05.0671.14
Dali Version
05.0671.40.DA
05.0671.14.DA
Mains Dimming
05.0671.40.NI
05.0671.14.NI
Casambi
05.0671.40.CB
05.0671.14.CB
Non Dimmable
05.0673.40
05.0673.14
Dali Version
05.0673.40.DA
05.0673.14.DA
Mains Dimming
05.0673.40.NI
05.0673.14.NI
Casambi
05.0673.40.CB
05.0673.14.CB
Non Dimmable
05.0674.40
05.0674.14
Dali Version
05.0674.40.DA
05.0674.14.DA
Mains Dimming
05.0674.40.NI
05.0674.14.NI
Casambi
05.0674.40.CB
05.0674.14.CB
Non Dimmable
05.0672.40
05.0672.14
Dali Version
05.0672.40.DA
05.0672.14.DA
Mains Dimming
05.0672.40.NI
05.0672.14.NI
Casambi
05.0672.40.CB
05.0672.14.CB



WIDE FLOOD



Luminous flux luminaire
842 lm (EXTREME CUT OFF)
@White (40)

Beam Angle: 45°

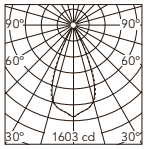
h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

Optic Wide Flood
3000K

E I Non Dimmable
05.0675.40
05.0675.14
Dali Version
05.0675.40.DA
05.0675.14.DA
Mains Dimming
05.0675.40.NI
05.0675.14.NI
Casambi
05.0675.40.CB
05.0675.14.CB
Non Dimmable
05.0676.40
05.0676.14
Dali Version
05.0676.40.DA
05.0676.14.DA
Mains Dimming
05.0676.40.NI
05.0676.14.NI
Casambi
05.0676.40.CB
05.0676.14.CB
Non Dimmable
05.0678.40
05.0678.14
Dali Version
05.0678.40.DA
05.0678.14.DA
Mains Dimming
05.0678.40.NI
05.0678.14.NI
Casambi
05.0678.40.CB
05.0678.14.CB
Non Dimmable
05.0679.40
05.0679.14
Dali Version
05.0679.40.DA
05.0679.14.DA
Mains Dimming
05.0679.40.NI
05.0679.14.NI
Casambi
05.0679.40.CB
05.0679.14.CB
Non Dimmable
05.0677.40
05.0677.14
Dali Version
05.0677.40.DA
05.0677.14.DA
Mains Dimming
05.0677.40.NI
05.0677.14.NI
Casambi
05.0677.40.CB
05.0677.14.CB



WIDE FLOOD



Luminous flux luminaire
860 lm (EXTREME CUT OFF)
@White (40)

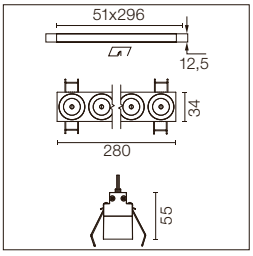
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

Light Shadow Fixed No Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish

Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

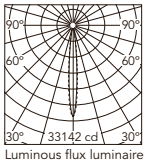
* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8868.40A
03.8868.14A
Dali Version
03.8868.40BDA
03.8868.14BDA
Mains Dimming
03.8868.40ANI
03.8868.14ANI
Casambi
03.8868.40ACB
03.8868.14ACB
Non Dimmable
03.8869.40A
03.8869.14A
Dali Version
03.8869.40BDA
03.8869.14BDA
Mains Dimming
03.8869.40ANI
03.8869.14ANI
Casambi
03.8869.40ACB
03.8869.14ACB
Non Dimmable
05.1240.40A
05.1240.14A
Dali Version
05.1240.40BDA
05.1240.14BDA
Mains Dimming
05.1240.40ANI
05.1240.14ANI
Casambi
05.1240.40ACB
05.1240.14ACB
Non Dimmable
05.1241.40A
05.1241.14A
Dali Version
05.1241.40BDA
05.1241.14BDA
Mains Dimming
05.1241.40ANI
05.1241.14ANI
Casambi
05.1241.40ACB
05.1241.14ACB
Non Dimmable
05.1242.40A
05.1242.14A
Dali Version
05.1242.40BDA
05.1242.14BDA
Mains Dimming
05.1242.40ANI
05.1242.14ANI
Casambi
05.1242.40ACB
05.1242.14ACB

10° SPOT

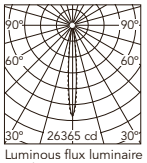


Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1441 lm (EXTREME CUT OFF)

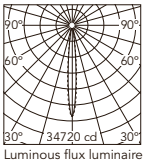
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8872.40A
03.8872.14A
Dali Version
03.8872.40BDA
03.8872.14BDA
Mains Dimming
03.8872.40ANI
03.8872.14ANI
Casambi
03.8872.40ACB
03.8872.14ACB
Non Dimmable
03.8873.40A
03.8873.14A
Dali Version
03.8873.40BDA
03.8873.14BDA
Mains Dimming
03.8873.40ANI
03.8873.14ANI
Casambi
03.8873.40ACB
03.8873.14ACB
Non Dimmable
05.1245.40A
05.1245.14A
Dali Version
05.1245.40BDA
05.1245.14BDA
Mains Dimming
05.1245.40ANI
05.1245.14ANI
Casambi
05.1245.40ACB
05.1245.14ACB
Non Dimmable
05.1246.40A
05.1246.14A
Dali Version
05.1246.40BDA
05.1246.14BDA
Mains Dimming
05.1246.40ANI
05.1246.14ANI
Casambi
05.1246.40ACB
05.1246.14ACB
Non Dimmable
05.1247.40A
05.1247.14A
Dali Version
05.1247.40BDA
05.1247.14BDA
Mains Dimming
05.1247.40ANI
05.1247.14ANI
Casambi
05.1247.40ACB
05.1247.14ACB

10° SPOT

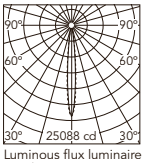


Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1371 lm (EXTREME CUT OFF)

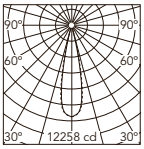
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

Optic Medium 2700K

E I Non Dimmable
03.9240.40A
03.9240.14A
Dali Version
03.9240.40BDA
03.9240.14BDA
Mains Dimming
03.9240.40ANI
03.9240.14ANI
Casambi
03.9240.40ACB
03.9240.14ACB
Non Dimmable
03.9241.40A
03.9241.14A
Dali Version
03.9241.40BDA
03.9241.14BDA
Mains Dimming
03.9241.40ANI
03.9241.14ANI
Casambi
03.9241.40ACB
03.9241.14ACB
Non Dimmable
05.1250.40A
05.1250.14A
Dali Version
05.1250.40BDA
05.1250.14BDA
Mains Dimming
05.1250.40ANI
05.1250.14ANI
Casambi
05.1250.40ACB
05.1250.14ACB
Non Dimmable
05.1251.40A
05.1251.14A
Dali Version
05.1251.40BDA
05.1251.14BDA
Mains Dimming
05.1251.40ANI
05.1251.14ANI
Casambi
05.1251.40ACB
05.1251.14ACB
Non Dimmable
05.1252.40A
05.1252.14A
Dali Version
05.1252.40BDA
05.1252.14BDA
Mains Dimming
05.1252.40ANI
05.1252.14ANI
Casambi
05.1252.40ACB
05.1252.14ACB

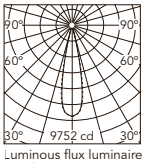
22° MEDIUM



Luminous flux luminaire
1793 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx) D(m)
1	12258 0.39
2	3065 0.78
3	1362 1.17
4	766 1.56
5	490 1.95

22° MEDIUM



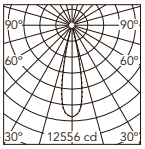
Luminous flux luminaire
1426 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	22°
h(m)	E(lx) D(m)
1	9752 0.39
2	2438 0.78
3	1084 1.17
4	609 1.56
5	390 1.95

Optic Medium 3000K

E I Non Dimmable
03.9250.40A
03.9250.14A
Dali Version
03.9250.40BDA
03.9250.14BDA
Mains Dimming
03.9250.40ANI
03.9250.14ANI
Casambi
03.9250.40ACB
03.9250.14ACB
Non Dimmable
03.9251.40A
03.9251.14A
Dali Version
03.9251.40BDA
03.9251.14BDA
Mains Dimming
03.9251.40ANI
03.9251.14ANI
Casambi
03.9251.40ACB
03.9251.14ACB
Non Dimmable
05.1255.40A
05.1255.14A
Dali Version
05.1255.40BDA
05.1255.14BDA
Mains Dimming
05.1255.40ANI
05.1255.14ANI
Casambi
05.1255.40ACB
05.1255.14ACB
Non Dimmable
05.1256.40A
05.1256.14A
Dali Version
05.1256.40BDA
05.1256.14BDA
Mains Dimming
05.1256.40ANI
05.1256.14ANI
Casambi
05.1256.40ACB
05.1256.14ACB
Non Dimmable
05.1257.40A
05.1257.14A
Dali Version
05.1257.40BDA
05.1257.14BDA
Mains Dimming
05.1257.40ANI
05.1257.14ANI
Casambi
05.1257.40ACB
05.1257.14ACB

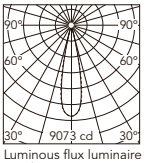
22° MEDIUM



Luminous flux luminaire
1878 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	22°
h(m)	E(lx) D(m)
1	12556 0.39
2	3139 0.78
3	1395 1.17
4	785 1.56
5	502 1.95

22° MEDIUM



Luminous flux luminaire
1357 lm (EXTREME CUT OFF)
@White (40) 750mA

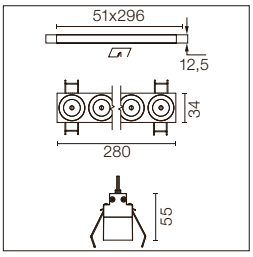
Beam Angle:	22°
h(m)	E(lx) D(m)
1	9073 0.39
2	2268 0.78
3	1008 1.17
4	567 1.56
5	363 1.95

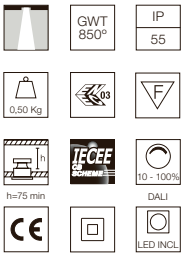
*Multipack available (12 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A
*Embalaje múltiple disponible (12 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

* Multipack available.

E= External Finish
I= Internal Finish

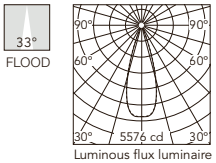
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

* Embalaje múltiple disponible.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

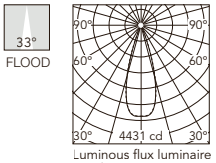
E I Non Dimmable
03.9245.40A
03.9245.14A
Dali Version
03.9245.40BDA
03.9245.14BDA
Mains Dimming
03.9245.40ANI
03.9245.14ANI
Casambi
03.9245.40ACB
03.9245.14ACB
Non Dimmable
03.9246.40A
03.9246.14A
Dali Version
03.9246.40BDA
03.9246.14BDA
Mains Dimming
03.9246.40ANI
03.9246.14ANI
Casambi
03.9246.40ACB
03.9246.14ACB
Non Dimmable
05.1260.40A
05.1260.14A
Dali Version
05.1260.40BDA
05.1260.14BDA
Mains Dimming
05.1260.40ANI
05.1260.14ANI
Casambi
05.1260.40ACB
05.1260.14ACB
Non Dimmable
05.1261.40A
05.1261.14A
Dali Version
05.1261.40BDA
05.1261.14BDA
Mains Dimming
05.1261.40ANI
05.1261.14ANI
Casambi
05.1261.40ACB
05.1261.14ACB
Non Dimmable
05.1262.40A
05.1262.14A
Dali Version
05.1262.40BDA
05.1262.14BDA
Mains Dimming
05.1262.40ANI
05.1262.14ANI
Casambi
05.1262.40ACB
05.1262.14ACB



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

@White (40) 900mA



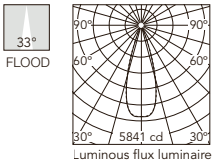
Luminous flux luminaire
1421 lm (EXTREME CUT OFF)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

@White (40) 750mA

Optic Flood 3000K

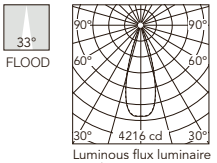
E I Non Dimmable
03.9255.40A
03.9255.14A
Dali Version
03.9255.40BDA
03.9255.14BDA
Mains Dimming
03.9255.40ANI
03.9255.14ANI
Casambi
03.9255.40ACB
03.9255.14ACB
Non Dimmable
03.9256.40A
03.9256.14A
Dali Version
03.9256.40BDA
03.9256.14BDA
Mains Dimming
03.9256.40ANI
03.9256.14ANI
Casambi
03.9256.40ACB
03.9256.14ACB
Non Dimmable
05.1265.40A
05.1265.14A
Dali Version
05.1265.40BDA
05.1265.14BDA
Mains Dimming
05.1265.40ANI
05.1265.14ANI
Casambi
05.1265.40ACB
05.1265.14ACB
Non Dimmable
05.1266.40A
05.1266.14A
Dali Version
05.1266.40BDA
05.1266.14BDA
Mains Dimming
05.1266.40ANI
05.1266.14ANI
Casambi
05.1266.40ACB
05.1266.14ACB
Non Dimmable
05.1267.40A
05.1267.14A
Dali Version
05.1267.40BDA
05.1267.14BDA
Mains Dimming
05.1267.40ANI
05.1267.14ANI
Casambi
05.1267.40ACB
05.1267.14ACB



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

@White (40) 900mA



Luminous flux luminaire
1353 lm (EXTREME CUT OFF)

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

@White (40) 750mA

Optic Wide Flood 2700K

E I Non Dimmable

03.8366.40A
03.8366.14A

Dali Version

03.8366.40BDA
03.8366.14BDA

Mains Dimming

03.8366.40ANI
03.8366.14ANI

Casambi

03.8366.40ACB
03.8366.14ACB

Non Dimmable

03.8367.40A
03.8367.14A

Dali Version

03.8367.40BDA
03.8367.14BDA

Mains Dimming

03.8367.40ANI
03.8367.14ANI

Casambi

03.8367.40ACB
03.8367.14ACB

Non Dimmable

05.1270.40A
05.1270.14A

Dali Version

05.1270.40BDA
05.1270.14BDA

Mains Dimming

05.1270.40ANI
05.1270.14ANI

Casambi

05.1270.40ACB
05.1270.14ACB

Non Dimmable

05.1271.40A
05.1271.14A

Dali Version

05.1271.40BDA
05.1271.14BDA

Mains Dimming

05.1271.40ANI
05.1271.14ANI

Casambi

05.1271.40ACB
05.1271.14ACB

Non Dimmable

05.1272.40A
05.1272.14A

Dali Version

05.1272.40BDA
05.1272.14BDA

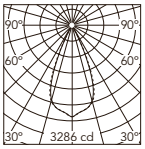
Mains Dimming

05.1272.40ANI
05.1272.14ANI

Casambi

05.1272.40ACB
05.1272.14ACB





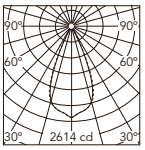
Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17





Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I Non Dimmable

03.8370.40A
03.8370.14A

Dali Version

03.8370.40BDA
03.8370.14BDA

Mains Dimming

03.8370.40ANI
03.8370.14ANI

Casambi

03.8370.40ACB
03.8370.14ACB

Non Dimmable

03.8371.40A
03.8371.14A

Dali Version

03.8371.40BDA
03.8371.14BDA

Mains Dimming

03.8371.40ANI
03.8371.14ANI

Casambi

03.8371.40ACB
03.8371.14ACB

Non Dimmable

05.1275.40A
05.1275.14A

Dali Version

05.1275.40BDA
05.1275.14BDA

Mains Dimming

05.1275.40ANI
05.1275.14ANI

Casambi

05.1275.40ACB
05.1275.14ACB

Non Dimmable

05.1276.40A
05.1276.14A

Dali Version

05.1276.40BDA
05.1276.14BDA

Mains Dimming

05.1276.40ANI
05.1276.14ANI

Casambi

05.1276.40ACB
05.1276.14ACB

Non Dimmable

05.1277.40A
05.1277.14A

Dali Version

05.1277.40BDA
05.1277.14BDA

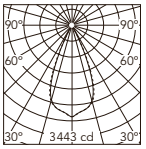
Mains Dimming

05.1277.40ANI
05.1277.14ANI

Casambi

05.1277.40ACB
05.1277.14ACB





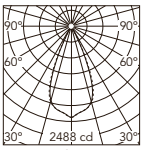
Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17





Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

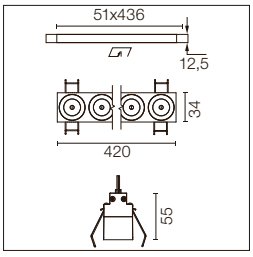
*Multipack available (12 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.8828.40A - M3.8828.40A

*Embalaje múltiple disponible (12 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.8828.40A - M3.8828.40A

Light Shadow Fixed No Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

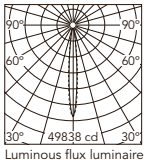
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8876.40A
03.8876.14A
Dali & Push Version
03.8876.40BDA
03.8876.14BDA
Mains Dimming
03.8876.40ANI
03.8876.14ANI
Casambi
03.8876.40ACB
03.8876.14ACB
Non Dimmable
03.8877.40A
03.8877.14A
Dali & Push Version
03.8877.40BDA
03.8877.14BDA
Mains Dimming
03.8877.40ANI
03.8877.14ANI
Casambi
03.8877.40ACB
03.8877.14ACB
Non Dimmable
05.1340.40A
05.1340.14A
Dali & Push Version
05.1340.40BDA
05.1340.14BDA
Mains Dimming
05.1340.40ANI
05.1340.14ANI
Casambi
05.1340.40ACB
05.1340.14ACB
Non Dimmable
05.1341.40A
05.1341.14A
Dali & Push Version
05.1341.40BDA
05.1341.14BDA
Mains Dimming
05.1341.40ANI
05.1341.14ANI
Casambi
05.1341.40ACB
05.1341.14ACB
Non Dimmable
05.1342.40A
05.1342.14A
Dali & Push Version
05.1342.40BDA
05.1342.14BDA
Mains Dimming
05.1342.40ANI
05.1342.14ANI
Casambi
05.1342.40ACB
05.1342.14ACB

10° SPOT

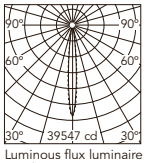


Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2162 lm (EXTREME CUT OFF)

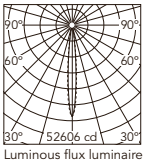
@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable
03.8880.40A
03.8880.14A
Dali & Push Version
03.8880.40BDA
03.8880.14BDA
Mains Dimming
03.8880.40ANI
03.8880.14ANI
Casambi
03.8880.40ACB
03.8880.14ACB
Non Dimmable
03.8881.40A
03.8881.14A
Dali & Push Version
03.8881.40BDA
03.8881.14BDA
Mains Dimming
03.8881.40ANI
03.8881.14ANI
Casambi
03.8881.40ACB
03.8881.14ACB
Non Dimmable
05.1345.40A
05.1345.14A
Dali & Push Version
05.1345.40BDA
05.1345.14BDA
Mains Dimming
05.1345.40ANI
05.1345.14ANI
Casambi
05.1345.40ACB
05.1345.14ACB
Non Dimmable
05.1346.40A
05.1346.14A
Dali & Push Version
05.1346.40BDA
05.1346.14BDA
Mains Dimming
05.1346.40ANI
05.1346.14ANI
Casambi
05.1346.40ACB
05.1346.14ACB
Non Dimmable
05.1347.40A
05.1347.14A
Dali & Push Version
05.1347.40BDA
05.1347.14BDA
Mains Dimming
05.1347.40ANI
05.1347.14ANI
Casambi
05.1347.40ACB
05.1347.14ACB

10° SPOT

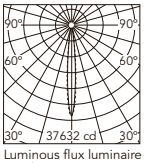


Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

Optic Medium 2700K

E I Non Dimmable

03.9260.40A
03.9260.14A

Dali & Push Version

03.9260.40BDA
03.9260.14BDA

Mains Dimming

03.9260.40ANI
03.9260.14ANI

Casambi

03.9260.40ACB
03.9260.14ACB

Non Dimmable

03.9261.40A
03.9261.14A

Dali & Push Version

03.9261.40BDA
03.9261.14BDA

Mains Dimming

03.9261.40ANI
03.9261.14ANI

Casambi

03.9261.40ACB
03.9261.14ACB

Non Dimmable

05.1350.40A
05.1350.14A

Dali & Push Version

05.1350.40BDA
05.1350.14BDA

Mains Dimming

05.1350.40ANI
05.1350.14ANI

Casambi

05.1350.40ACB
05.1350.14ACB

Non Dimmable

05.1351.40A
05.1351.14A

Dali & Push Version

05.1351.40BDA
05.1351.14BDA

Mains Dimming

05.1351.40ANI
05.1351.14ANI

Casambi

05.1351.40ACB
05.1351.14ACB

Non Dimmable

05.1352.40A
05.1352.14A

Dali & Push Version

05.1352.40BDA
05.1352.14BDA

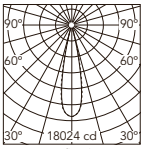
Mains Dimming

05.1352.40ANI
05.1352.14ANI

Casambi

05.1352.40ACB
05.1352.14ACB

22°
MEDIUM



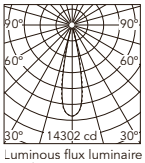
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Luminous flux luminaire
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Optic Medium 3000K

E I Non Dimmable

03.9270.40A
03.9270.14A

Dali & Push Version

03.9270.40BDA
03.9270.14BDA

Mains Dimming

03.9270.40ANI
03.9270.14ANI

Casambi

03.9270.40ACB
03.9270.14ACB

Non Dimmable

03.9271.40A
03.9271.14A

Dali & Push Version

03.9271.40BDA
03.9271.14BDA

Mains Dimming

03.9271.40ANI
03.9271.14ANI

Casambi

03.9271.40ACB
03.9271.14ACB

Non Dimmable

05.1355.40A
05.1355.14A

Dali & Push Version

05.1355.40BDA
05.1355.14BDA

Mains Dimming

05.1355.40ANI
05.1355.14ANI

Casambi

05.1355.40ACB
05.1355.14ACB

Non Dimmable

05.1356.40A
05.1356.14A

Dali & Push Version

05.1356.40BDA
05.1356.14BDA

Mains Dimming

05.1356.40ANI
05.1356.14ANI

Casambi

05.1356.40ACB
05.1356.14ACB

Non Dimmable

05.1357.40A
05.1357.14A

Dali & Push Version

05.1357.40BDA
05.1357.14BDA

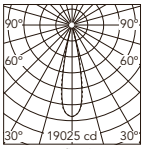
Mains Dimming

05.1357.40ANI
05.1357.14ANI

Casambi

05.1357.40ACB
05.1357.14ACB

22°
MEDIUM



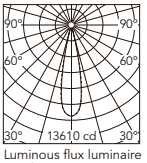
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	19025	0.39
2	4756	0.78
3	2114	1.17
4	1189	1.56
5	761	1.95

Luminous flux luminaire
2846 lm (EXTREME CUT OFF)

@White (40) 900mA

22°
MEDIUM



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	13610	0.39
2	3402	0.78
3	1512	1.17
4	851	1.56
5	544	1.95

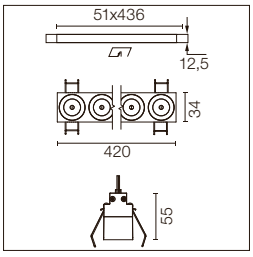
Luminous flux luminaire
2036 lm (EXTREME CUT OFF)

@White (40) 750mA

Light Shadow Fixed No Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

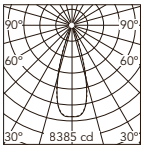
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9265.40A
03.9265.14A
Dali & Push Version
03.9265.40BDA
03.9265.14BDA
Mains Dimming
03.9265.40ANI
03.9265.14ANI
Casambi
03.9265.40ACB
03.9265.14ACB
Non Dimmable
03.9266.40A
03.9266.14A
Dali & Push Version
03.9266.40BDA
03.9266.14BDA
Mains Dimming
03.9266.40ANI
03.9266.14ANI
Casambi
03.9266.40ACB
03.9266.14ACB
Non Dimmable
05.1360.40A
05.1360.14A
Dali & Push Version
05.1360.40BDA
05.1360.14BDA
Mains Dimming
05.1360.40ANI
05.1360.14ANI
Casambi
05.1360.40ACB
05.1360.14ACB
Non Dimmable
05.1361.40A
05.1361.14A
Dali & Push Version
05.1361.40BDA
05.1361.14BDA
Mains Dimming
05.1361.40ANI
05.1361.14ANI
Casambi
05.1361.40ACB
05.1361.14ACB
Non Dimmable
05.1362.40A
05.1362.14A
Dali & Push Version
05.1362.40BDA
05.1362.14BDA
Mains Dimming
05.1362.40ANI
05.1362.14ANI
Casambi
05.1362.40ACB
05.1362.14ACB

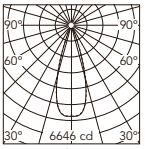
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

33° FLOOD



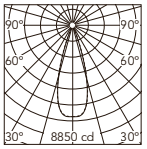
Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	6646	0.59
2	1662	1.18
3	738	1.78
4	415	2.37
5	266	2.96

Optic Flood 3000K

E I Non Dimmable
03.9275.40A
03.9275.14A
Dali & Push Version
03.9275.40BDA
03.9275.14BDA
Mains Dimming
03.9275.40ANI
03.9275.14ANI
Casambi
03.9275.40ACB
03.9275.14ACB
Non Dimmable
03.9276.40A
03.9276.14A
Dali & Push Version
03.9276.40BDA
03.9276.14BDA
Mains Dimming
03.9276.40ANI
03.9276.14ANI
Casambi
03.9276.40ACB
03.9276.14ACB
Non Dimmable
05.1365.40A
05.1365.14A
Dali & Push Version
05.1365.40BDA
05.1365.14BDA
Mains Dimming
05.1365.40ANI
05.1365.14ANI
Casambi
05.1365.40ACB
05.1365.14ACB
Non Dimmable
05.1366.40A
05.1366.14A
Dali & Push Version
05.1366.40BDA
05.1366.14BDA
Mains Dimming
05.1366.40ANI
05.1366.14ANI
Casambi
05.1366.40ACB
05.1366.14ACB
Non Dimmable
05.1367.40A
05.1367.14A
Dali & Push Version
05.1367.40BDA
05.1367.14BDA
Mains Dimming
05.1367.40ANI
05.1367.14ANI
Casambi
05.1367.40ACB
05.1367.14ACB

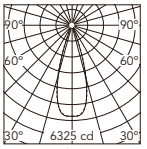
33° FLOOD



Luminous flux luminaire
2836 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	8841	0.59
2	2210	1.18
3	982	1.78
4	553	2.37
5	354	2.96

33° FLOOD



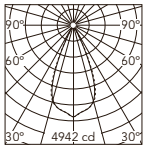
Luminous flux luminaire
2029 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	6325	0.59
2	1581	1.18
3	703	1.78
4	395	2.37
5	253	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.8374.40A
03.8374.14A
Dali & Push Version
03.8374.40BDA
03.8374.14BDA
Mains Dimming
03.8374.40ANI
03.8374.14ANI
Casambi
03.8374.40ACB
03.8374.14ACB
Non Dimmable
03.8375.40A
03.8375.14A
Dali & Push Version
03.8375.40BDA
03.8375.14BDA
Mains Dimming
03.8375.40ANI
03.8375.14ANI
Casambi
03.8375.40ACB
03.8375.14ACB
Non Dimmable
05.1370.40A
05.1370.14A
Dali & Push Version
05.1370.40BDA
05.1370.14BDA
Mains Dimming
05.1370.40ANI
05.1370.14ANI
Casambi
05.1370.40ACB
05.1370.14ACB
Non Dimmable
05.1371.40A
05.1371.14A
Dali & Push Version
05.1371.40BDA
05.1371.14BDA
Mains Dimming
05.1371.40ANI
05.1371.14ANI
Casambi
05.1371.40ACB
05.1371.14ACB
Non Dimmable
05.1372.40A
05.1372.14A
Dali & Push Version
05.1372.40BDA
05.1372.14BDA
Mains Dimming
05.1372.40ANI
05.1372.14ANI
Casambi
05.1372.40ACB
05.1372.14ACB



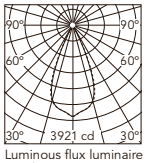


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17





Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

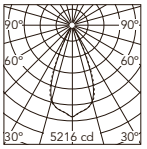
@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.8378.40A
03.8378.14A
Dali & Push Version
03.8378.40BDA
03.8378.14BDA
Mains Dimming
03.8378.40ANI
03.8378.14ANI
Casambi
03.8378.40ACB
03.8378.14ACB
Non Dimmable
03.8379.40A
03.8379.14A
Dali & Push Version
03.8379.40BDA
03.8379.14BDA
Mains Dimming
03.8379.40ANI
03.8379.14ANI
Casambi
03.8379.40ACB
03.8379.14ACB
Non Dimmable
05.1375.40A
05.1375.14A
Dali & Push Version
05.1375.40BDA
05.1375.14BDA
Mains Dimming
05.1375.40ANI
05.1375.14ANI
Casambi
05.1375.40ACB
05.1375.14ACB
Non Dimmable
05.1376.40A
05.1376.14A
Dali & Push Version
05.1376.40BDA
05.1376.14BDA
Mains Dimming
05.1376.40ANI
05.1376.14ANI
Casambi
05.1376.40ACB
05.1376.14ACB
Non Dimmable
05.1377.40A
05.1377.14A
Dali & Push Version
05.1377.40BDA
05.1377.14BDA
Mains Dimming
05.1377.40ANI
05.1377.14ANI
Casambi
05.1377.40ACB
05.1377.14ACB



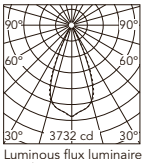


Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	5216	0.83
2	1304	1.67
3	580	2.50
4	326	3.34
5	209	4.17





Luminous flux luminaire
2002 lm (EXTREME CUT OFF)

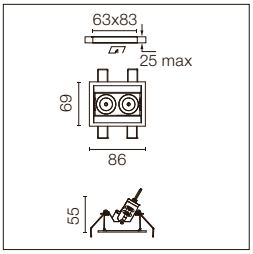
@White (40) 750mA

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3732	0.83
2	933	1.67
3	415	2.50
4	233	3.34
5	149	4.17

Light Shadow Adjustable Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

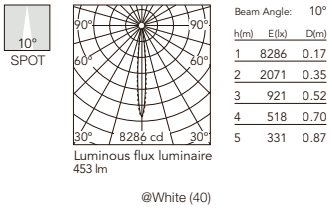
E= External Finish
I= Internal Finish

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8884.40A
03.8884.14A
Dali Version
03.8884.40BDA
03.8884.14BDA
Mains Dimming
03.8884.40ANI
03.8884.14ANI
Casambi
03.8884.40ACB
03.8884.14ACB
Non Dimmable
03.8885.40A
03.8885.14A
Dali Version
03.8885.40BDA
03.8885.14BDA
Mains Dimming
03.8885.40ANI
03.8885.14ANI
Casambi
03.8885.40ACB
03.8885.14ACB
Non Dimmable
05.1400.40A
05.1400.14A
Dali Version
05.1400.40BDA
05.1400.14BDA
Mains Dimming
05.1400.40ANI
05.1400.14ANI
Casambi
05.1400.40ACB
05.1400.14ACB
Non Dimmable
05.1401.40A
05.1401.14A
Dali Version
05.1401.40BDA
05.1401.14BDA
Mains Dimming
05.1401.40ANI
05.1401.14ANI
Casambi
05.1401.40ACB
05.1401.14ACB
Non Dimmable
05.1402.40A
05.1402.14A
Dali Version
05.1402.40BDA
05.1402.14BDA
Mains Dimming
05.1402.40ANI
05.1402.14ANI
Casambi
05.1402.40ACB
05.1402.14ACB



Beam Angle: 10°

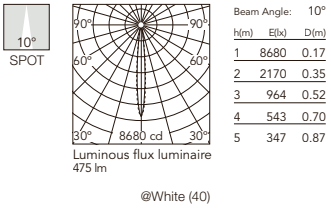
h(m)	E(lx)	D(m)
1	8286	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

Luminous flux luminaire 453 lm

@White (40)

Optic Spot 3000K

E I Non Dimmable
03.8888.40A
03.8888.14A
Dali Version
03.8888.40BDA
03.8888.14BDA
Mains Dimming
03.8888.40ANI
03.8888.14ANI
Casambi
03.8888.40ACB
03.8888.14ACB
Non Dimmable
03.8889.40A
03.8889.14A
Dali Version
03.8889.40BDA
03.8889.14BDA
Mains Dimming
03.8889.40ANI
03.8889.14ANI
Casambi
03.8889.40ACB
03.8889.14ACB
Non Dimmable
05.1405.40A
05.1405.14A
Dali Version
05.1405.40BDA
05.1405.14BDA
Mains Dimming
05.1405.40ANI
05.1405.14ANI
Casambi
05.1405.40ACB
05.1405.14ACB
Non Dimmable
05.1406.40A
05.1406.14A
Dali Version
05.1406.40BDA
05.1406.14BDA
Mains Dimming
05.1406.40ANI
05.1406.14ANI
Casambi
05.1406.40ACB
05.1406.14ACB
Non Dimmable
05.1407.40A
05.1407.14A
Dali Version
05.1407.40BDA
05.1407.14BDA
Mains Dimming
05.1407.40ANI
05.1407.14ANI
Casambi
05.1407.40ACB
05.1407.14ACB



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	543	0.70
5	347	0.87

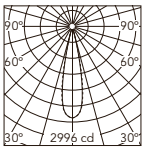
Luminous flux luminaire 475 lm

@White (40)

Optic Medium 2700K

E I Non Dimmable
03.9300.40A
03.9300.14A
Dali Version
03.9300.40BDA
03.9300.14BDA
E I Mains Dimming
03.9300.40ANI
03.9300.14ANI
Casambi
03.9300.40ACB
03.9300.14ACB
Non Dimmable
03.9301.40A
03.9301.14A
Dali Version
03.9301.40BDA
03.9301.14BDA
Mains Dimming
03.9301.40ANI
03.9301.14ANI
Casambi
03.9301.40ACB
03.9301.14ACB
Non Dimmable
05.1410.40A
05.1410.14A
Dali Version
05.1410.40BDA
05.1410.14BDA
Mains Dimming
05.1410.40ANI
05.1410.14ANI
Casambi
05.1410.40ACB
05.1410.14ACB
Non Dimmable
05.1411.40A
05.1411.14A
Dali Version
05.1411.40BDA
05.1411.14BDA
Mains Dimming
05.1411.40ANI
05.1411.14ANI
Casambi
05.1411.40ACB
05.1411.14ACB
Non Dimmable
05.1412.40A
05.1412.14A
Dali Version
05.1412.40BDA
05.1412.14BDA
Mains Dimming
05.1412.40ANI
05.1412.14ANI
Casambi
05.1412.40ACB
05.1412.14ACB





Luminous flux luminaire
448 lm

@White (40)

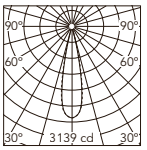
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

Optic Medium 3000K

E I Non Dimmable
03.9310.40A
03.9310.14A
Dali Version
03.9310.40BDA
03.9310.14BDA
Mains Dimming
03.9310.40ANI
03.9310.14ANI
Casambi
03.9310.40ACB
03.9310.14ACB
Non Dimmable
03.9311.40A
03.9311.14A
Dali Version
03.9311.40BDA
03.9311.14BDA
Mains Dimming
03.9311.40ANI
03.9311.14ANI
Casambi
03.9311.40ACB
03.9311.14ACB
Non Dimmable
05.1415.40A
05.1415.14A
Dali Version
05.1415.40BDA
05.1415.14BDA
Mains Dimming
05.1415.40ANI
05.1415.14ANI
Casambi
05.1415.40ACB
05.1415.14ACB
Non Dimmable
05.1416.40A
05.1416.14A
Dali Version
05.1416.40BDA
05.1416.14BDA
Mains Dimming
05.1416.40ANI
05.1416.14ANI
Casambi
05.1416.40ACB
05.1416.14ACB
Non Dimmable
05.1417.40A
05.1417.14A
Dali Version
05.1417.40BDA
05.1417.14BDA
Mains Dimming
05.1417.40ANI
05.1417.14ANI
Casambi
05.1417.40ACB
05.1417.14ACB





Luminous flux luminaire
470 lm

@White (40)

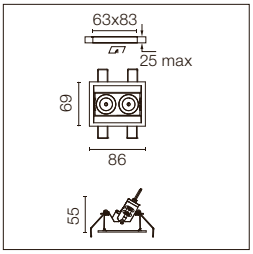
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

Light Shadow Adjustable Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

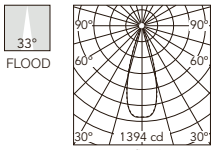
E= External Finish
I= Internal Finish

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9305.40A
03.9305.14A
Dali Version
03.9305.40BDA
03.9305.14BDA
Mains Dimming
03.9305.40ANI
03.9305.14ANI
Casambi
03.9305.40ACB
03.9305.14ACB
Non Dimmable
03.9306.40A
03.9306.14A
Dali Version
03.9306.40BDA
03.9306.14BDA
Mains Dimming
03.9306.40ANI
03.9306.14ANI
Casambi
03.9306.40ACB
03.9306.14ACB
Non Dimmable
05.1420.40A
05.1420.14A
Dali Version
05.1420.40BDA
05.1420.14BDA
Mains Dimming
05.1420.40ANI
05.1420.14ANI
Casambi
05.1420.40ACB
05.1420.14ACB
Non Dimmable
05.1421.40A
05.1421.14A
Dali Version
05.1421.40BDA
05.1421.14BDA
Mains Dimming
05.1421.40ANI
05.1421.14ANI
Casambi
05.1421.40ACB
05.1421.14ACB
Non Dimmable
05.1422.40A
05.1422.14A
Dali Version
05.1422.40BDA
05.1422.14BDA
Mains Dimming
05.1422.40ANI
05.1422.14ANI
Casambi
05.1422.40ACB
05.1422.14ACB



Luminous flux luminaire
447 lm

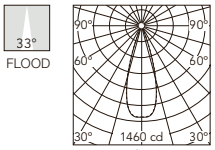
@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Optic Flood 3000K

E I Non Dimmable
03.9315.40A
03.9315.14A
Dali Version
03.9315.40BDA
03.9315.14BDA
Mains Dimming
03.9315.40ANI
03.9315.14ANI
Casambi
03.9315.40ACB
03.9315.14ACB
Non Dimmable
03.9316.40A
03.9316.14A
Dali Version
03.9316.40BDA
03.9316.14BDA
Mains Dimming
03.9316.40ANI
03.9316.14ANI
Casambi
03.9316.40ACB
03.9316.14ACB
Non Dimmable
05.1425.40A
05.1425.14A
Dali Version
05.1425.40BDA
05.1425.14BDA
Mains Dimming
05.1425.40ANI
05.1425.14ANI
Casambi
05.1425.40ACB
05.1425.14ACB
Non Dimmable
05.1426.40A
05.1426.14A
Dali Version
05.1426.40BDA
05.1426.14BDA
Mains Dimming
05.1426.40ANI
05.1426.14ANI
Casambi
05.1426.40ACB
05.1426.14ACB
Non Dimmable
05.1427.40A
05.1427.14A
Dali Version
05.1427.40BDA
05.1427.14BDA
Mains Dimming
05.1427.40ANI
05.1427.14ANI
Casambi
05.1427.40ACB
05.1427.14ACB



Luminous flux luminaire
468 lm

@White (40)

Beam Angle: 33°

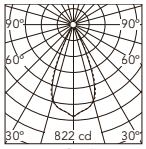
h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7300.40A
03.7300.14A
Dali Version
03.7300.40BDA
03.7300.14BDA
Mains Dimming
03.7300.40ANI
03.7300.14ANI
Casambi
03.7300.40ACB
03.7300.14ACB
Non Dimmable
03.7301.40A
03.7301.14A
Dali Version
03.7301.40BDA
03.7301.14BDA
Mains Dimming
03.7301.40ANI
03.7301.14ANI
Casambi
03.7301.40ACB
03.7301.14ACB
Non Dimmable
05.1430.40A
05.1430.14A
Dali Version
05.1430.40BDA
05.1430.14BDA
Mains Dimming
05.1430.40ANI
05.1430.14ANI
Casambi
05.1430.40ACB
05.1430.14ACB
Non Dimmable
05.1431.40A
05.1431.14A
Dali Version
05.1431.40BDA
05.1431.14BDA
Mains Dimming
05.1431.40ANI
05.1431.14ANI
Casambi
05.1431.40ACB
05.1431.14ACB
Non Dimmable
05.1432.40A
05.1432.14A
Dali Version
05.1432.40BDA
05.1432.14BDA
Mains Dimming
05.1432.40ANI
05.1432.14ANI
Casambi
05.1432.40ACB
05.1432.14ACB



WIDE FLOOD



Luminous flux luminaire
441 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

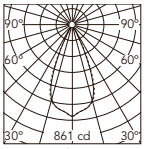
@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7304.40A
03.7304.14A
Dali Version
03.7304.40BDA
03.7304.14BDA
Mains Dimming
03.7304.40ANI
03.7304.14ANI
Casambi
03.7304.40ACB
03.7304.14ACB
Non Dimmable
03.7305.40A
03.7305.14A
Dali Version
03.7305.40BDA
03.7305.14BDA
Mains Dimming
03.7305.40ANI
03.7305.14ANI
Casambi
03.7305.40ACB
03.7305.14ACB
Non Dimmable
05.1435.40A
05.1435.14A
Dali Version
05.1435.40BDA
05.1435.14BDA
Mains Dimming
05.1435.40ANI
05.1435.14ANI
Casambi
05.1435.40ACB
05.1435.14ACB
Non Dimmable
05.1436.40A
05.1436.14A
Dali Version
05.1436.40BDA
05.1436.14BDA
Mains Dimming
05.1436.40ANI
05.1436.14ANI
Casambi
05.1436.40ACB
05.1436.14ACB
Non Dimmable
05.1437.40A
05.1437.14A
Dali Version
05.1437.40BDA
05.1437.14BDA
Mains Dimming
05.1437.40ANI
05.1437.14ANI
Casambi
05.1437.40ACB
05.1437.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm

Beam Angle: 45°

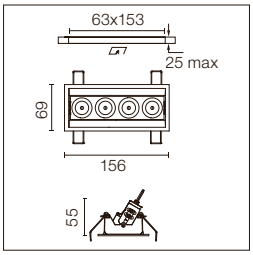
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

@White (40)

Light Shadow Adjustable Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

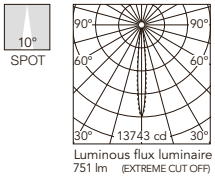
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8892.40A
03.8892.14A
Dali Version
03.8892.40BDA
03.8892.14BDA
Mains Dimming
03.8892.40ANI
03.8892.14ANI
Casambi
03.8892.40ACB
03.8892.14ACB
Non Dimmable
03.8893.40A
03.8893.14A
Dali Version
03.8893.40BDA
03.8893.14BDA
Mains Dimming
03.8893.40ANI
03.8893.14ANI
Casambi
03.8893.40ACB
03.8893.14ACB
Non Dimmable
05.1500.40A
05.1500.14A
Dali Version
05.1500.40BDA
05.1500.14BDA
Mains Dimming
05.1500.40ANI
05.1500.14ANI
Casambi
05.1500.40ACB
05.1500.14ACB
Non Dimmable
05.1501.40A
05.1501.14A
Dali Version
05.1501.40BDA
05.1501.14BDA
Mains Dimming
05.1501.40ANI
05.1501.14ANI
Casambi
05.1501.40ACB
05.1501.14ACB
Non Dimmable
05.1502.40A
05.1502.14A
Dali Version
05.1502.40BDA
05.1502.14BDA
Mains Dimming
05.1502.40ANI
05.1502.14ANI
Casambi
05.1502.40ACB
05.1502.14ACB



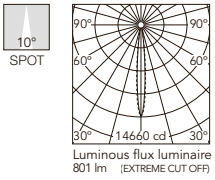
Luminous flux luminaire
751 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Optic Spot 3000K

E I Non Dimmable
03.8896.40A
03.8896.14A
Dali Version
03.8896.40BDA
03.8896.14BDA
Mains Dimming
03.8896.40ANI
03.8896.14ANI
Casambi
03.8896.40ACB
03.8896.14ACB
Non Dimmable
03.8897.40A
03.8897.14A
Dali Version
03.8897.40BDA
03.8897.14BDA
Mains Dimming
03.8897.40ANI
03.8897.14ANI
Casambi
03.8897.40ACB
03.8897.14ACB
Non Dimmable
05.1505.40A
05.1505.14A
Dali Version
05.1505.40BDA
05.1505.14BDA
Mains Dimming
05.1505.40ANI
05.1505.14ANI
Casambi
05.1505.40ACB
05.1505.14ACB
Non Dimmable
05.1506.40A
05.1506.14A
Dali Version
05.1506.40BDA
05.1506.14BDA
Mains Dimming
05.1506.40ANI
05.1506.14ANI
Casambi
05.1506.40ACB
05.1506.14ACB
Non Dimmable
05.1507.40A
05.1507.14A
Dali Version
05.1507.40BDA
05.1507.14BDA
Mains Dimming
05.1507.40ANI
05.1507.14ANI
Casambi
05.1507.40ACB
05.1507.14ACB



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

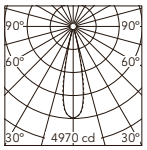
@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Optic Medium 2700K

E I Non Dimmable
03.9320.40A
03.9320.14A
Dali Version
03.9320.40BDA
03.9320.14BDA
Mains Dimming
03.9320.40ANI
03.9320.14ANI
Casambi
03.9320.40ACB
03.9320.14ACB
Non Dimmable
03.9321.40A
03.9321.14A
Dali Version
03.9321.40BDA
03.9321.14BDA
Mains Dimming
03.9321.40ANI
03.9321.14ANI
Casambi
03.9321.40ACB
03.9321.14ACB
Non Dimmable
05.1510.40A
05.1510.14A
Dali Version
05.1510.40BDA
05.1510.14BDA
Mains Dimming
05.1510.40ANI
05.1510.14ANI
Casambi
05.1510.40ACB
05.1510.14ACB
Non Dimmable
05.1511.40A
05.1511.14A
Dali Version
05.1511.40BDA
05.1511.14BDA
Mains Dimming
05.1511.40ANI
05.1511.14ANI
Casambi
05.1511.40ACB
05.1511.14ACB
Non Dimmable
05.1512.40A
05.1512.14A
Dali Version
05.1512.40BDA
05.1512.14BDA
Mains Dimming
05.1512.40ANI
05.1512.14ANI
Casambi
05.1512.40ACB
05.1512.14ACB





Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

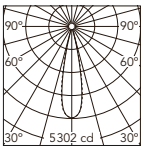
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I Non Dimmable
03.9330.40A
03.9330.14A
Dali Version
03.9330.40BDA
03.9330.14BDA
Mains Dimming
03.9330.40ANI
03.9330.14ANI
Casambi
03.9330.40ACB
03.9330.14ACB
Non Dimmable
03.9331.40A
03.9331.14A
Dali Version
03.9331.40BDA
03.9331.14BDA
Mains Dimming
03.9331.40ANI
03.9331.14ANI
Casambi
03.9331.40ACB
03.9331.14ACB
Non Dimmable
05.1515.40A
05.1515.14A
Dali Version
05.1515.40BDA
05.1515.14BDA
Mains Dimming
05.1515.40ANI
05.1515.14ANI
Casambi
05.1515.40ACB
05.1515.14ACB
Non Dimmable
05.1516.40A
05.1516.14A
Dali Version
05.1516.40BDA
05.1516.14BDA
Mains Dimming
05.1516.40ANI
05.1516.14ANI
Casambi
05.1516.40ACB
05.1516.14ACB
Non Dimmable
05.1517.40A
05.1517.14A
Dali Version
05.1517.40BDA
05.1517.14BDA
Mains Dimming
05.1517.40ANI
05.1517.14ANI
Casambi
05.1517.40ACB
05.1517.14ACB





Luminous flux luminaire
793 lm (EXTREME CUT OFF)

@White (40)

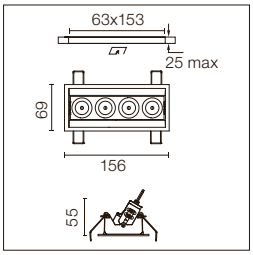
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Adjustable Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

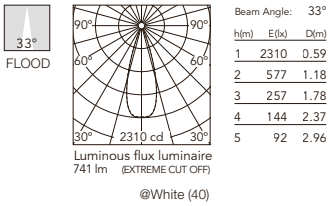
E= External Finish
I= Internal Finish

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

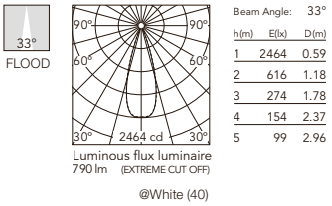
Optic Flood 2700K

E I Non Dimmable
03.9325.40A
03.9325.14A
Dali Version
03.9325.40BDA
03.9325.14BDA
Mains Dimming
03.9325.40ANI
03.9325.14ANI
Casambi
03.9325.40ACB
03.9325.14ACB
Non Dimmable
03.9326.40A
03.9326.14A
Dali Version
03.9326.40BDA
03.9326.14BDA
Mains Dimming
03.9326.40ANI
03.9326.14ANI
Casambi
03.9326.40ACB
03.9326.14ACB
Non Dimmable
05.1520.40A
05.1520.14A
Dali Version
05.1520.40BDA
05.1520.14BDA
Mains Dimming
05.1520.40ANI
05.1520.14ANI
Casambi
05.1520.40ACB
05.1520.14ACB
Non Dimmable
05.1521.40A
05.1521.14A
Dali Version
05.1521.40BDA
05.1521.14BDA
Mains Dimming
05.1521.40ANI
05.1521.14ANI
Casambi
05.1521.40ACB
05.1521.14ACB
Non Dimmable
05.1522.40A
05.1522.14A
Dali Version
05.1522.40BDA
05.1522.14BDA
Mains Dimming
05.1522.40ANI
05.1522.14ANI
Casambi
05.1522.40ACB
05.1522.14ACB



Optic Flood 3000K

E I Non Dimmable
03.9335.40A
03.9335.14A
Dali Version
03.9335.40BDA
03.9335.14BDA
Mains Dimming
03.9335.40ANI
03.9335.14ANI
Casambi
03.9335.40ACB
03.9335.14ACB
Non Dimmable
03.9336.40A
03.9336.14A
Dali Version
03.9336.40BDA
03.9336.14BDA
Mains Dimming
03.9336.40ANI
03.9336.14ANI
Casambi
03.9336.40ACB
03.9336.14ACB
Non Dimmable
05.1525.40A
05.1525.14A
Dali Version
05.1525.40BDA
05.1525.14BDA
Mains Dimming
05.1525.40ANI
05.1525.14ANI
Casambi
05.1525.40ACB
05.1525.14ACB
Non Dimmable
05.1526.40A
05.1526.14A
Dali Version
05.1526.40BDA
05.1526.14BDA
Mains Dimming
05.1526.40ANI
05.1526.14ANI
Casambi
05.1526.40ACB
05.1526.14ACB
Non Dimmable
05.1527.40A
05.1527.14A
Dali Version
05.1527.40BDA
05.1527.14BDA
Mains Dimming
05.1527.40ANI
05.1527.14ANI
Casambi
05.1527.40ACB
05.1527.14ACB

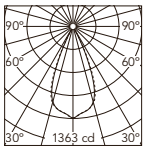


Optic Wide Flood 2700K

E I Non Dimmable
03.7308.40A
03.7308.14A
Dali Version
03.7308.40BDA
03.7308.14BDA
Mains Dimming
03.7308.40ANI
03.7308.14ANI
Casambi
03.7308.40ACB
03.7308.14ACB
Non Dimmable
03.7309.40A
03.7309.14A
Dali Version
03.7309.40BDA
03.7309.14BDA
Mains Dimming
03.7309.40ANI
03.7309.14ANI
Casambi
03.7309.40ACB
03.7309.14ACB
Non Dimmable
05.1530.40A
05.1530.14A
Dali Version
05.1530.40BDA
05.1530.14BDA
Mains Dimming
05.1530.40ANI
05.1530.14ANI
Casambi
05.1530.40ACB
05.1530.14ACB
Non Dimmable
05.1531.40A
05.1531.14A
Dali Version
05.1531.40BDA
05.1531.14BDA
Mains Dimming
05.1531.40ANI
05.1531.14ANI
Casambi
05.1531.40ACB
05.1531.14ACB
Non Dimmable
05.1532.40A
05.1532.14A
Dali Version
05.1532.40BDA
05.1532.14BDA
Mains Dimming
05.1532.40ANI
05.1532.14ANI
Casambi
05.1532.40ACB
05.1532.14ACB



WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

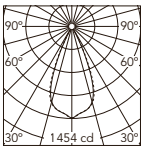
@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7312.40A
03.7312.14A
Dali Version
03.7312.40BDA
03.7312.14BDA
Mains Dimming
03.7312.40ANI
03.7312.14ANI
Casambi
03.7312.40ACB
03.7312.14ACB
Non Dimmable
03.7313.40A
03.7313.14A
Dali Version
03.7313.40BDA
03.7313.14BDA
Mains Dimming
03.7313.40ANI
03.7313.14ANI
Casambi
03.7313.40ACB
03.7313.14ACB
Non Dimmable
05.1535.40A
05.1535.14A
Dali Version
05.1535.40BDA
05.1535.14BDA
Mains Dimming
05.1535.40ANI
05.1535.14ANI
Casambi
05.1535.40ACB
05.1535.14ACB
Non Dimmable
05.1536.40A
05.1536.14A
Dali Version
05.1536.40BDA
05.1536.14BDA
Mains Dimming
05.1536.40ANI
05.1536.14ANI
Casambi
05.1536.40ACB
05.1536.14ACB
Non Dimmable
05.1537.40A
05.1537.14A
Dali Version
05.1537.40BDA
05.1537.14BDA
Mains Dimming
05.1537.40ANI
05.1537.14ANI
Casambi
05.1537.40ACB
05.1537.14ACB



WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

Beam Angle: 45°

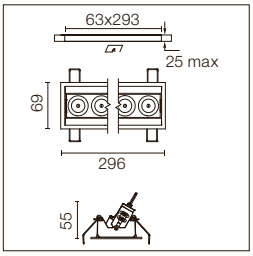
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

@White (40)

Light Shadow Adjustable Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
Pre-Installation frame not required.

E= External Finish
I= Internal Finish

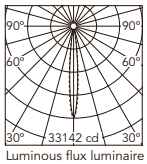
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8900.40A
03.8900.14A
Dali Version
03.8900.40BDA
03.8900.14BDA
Mains Dimming
03.8900.40ANI
03.8900.14ANI
Casambi
03.8900.40ACB
03.8900.14ACB
Non Dimmable
03.8901.40A
03.8901.14A
Dali Version
03.8901.40BDA
03.8901.14BDA
Mains Dimming
03.8901.40ANI
03.8901.14ANI
Casambi
03.8901.40ACB
03.8901.14ACB
Non Dimmable
05.1600.40A
05.1600.14A
Dali Version
05.1600.40BDA
05.1600.14BDA
Mains Dimming
05.1600.40ANI
05.1600.14ANI
Casambi
05.1600.40ACB
05.1600.14ACB
Non Dimmable
05.1601.40A
05.1601.14A
Dali Version
05.1601.40BDA
05.1601.14BDA
Mains Dimming
05.1601.40ANI
05.1601.14ANI
Casambi
05.1601.40ACB
05.1601.14ACB
Non Dimmable
05.1602.40A
05.1602.14A
Dali Version
05.1602.40BDA
05.1602.14BDA
Mains Dimming
05.1602.40ANI
05.1602.14ANI
Casambi
05.1602.40ACB
05.1602.14ACB

10° SPOT



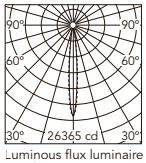
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1441 lm (EXTREME CUT OFF)

@White (40) 750mA

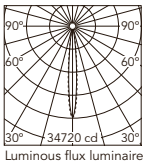
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8904.40A
03.8904.14A
Dali Version
03.8904.40BDA
03.8904.14BDA
Mains Dimming
03.8904.40ANI
03.8904.14ANI
Casambi
03.8904.40ACB
03.8904.14ACB
Non Dimmable
03.8905.40A
03.8905.14A
Dali Version
03.8905.40BDA
03.8905.14BDA
Mains Dimming
03.8905.40ANI
03.8905.14ANI
Casambi
03.8905.40ACB
03.8905.14ACB
Non Dimmable
05.1605.40A
05.1605.14A
Dali Version
05.1605.40BDA
05.1605.14BDA
Mains Dimming
05.1605.40ANI
05.1605.14ANI
Casambi
05.1605.40ACB
05.1605.14ACB
Non Dimmable
05.1606.40A
05.1606.14A
Dali Version
05.1606.40BDA
05.1606.14BDA
Mains Dimming
05.1606.40ANI
05.1606.14ANI
Casambi
05.1606.40ACB
05.1606.14ACB
Non Dimmable
05.1607.40A
05.1607.14A
Dali Version
05.1607.40BDA
05.1607.14BDA
Mains Dimming
05.1607.40ANI
05.1607.14ANI
Casambi
05.1607.40ACB
05.1607.14ACB

10° SPOT



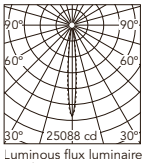
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1371 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

Optic Medium 2700K

E I Non Dimmable

03.9340.40A
03.9340.14A

Dali Version

03.9340.40BDA
03.9340.14BDA

Mains Dimming

03.9340.40ANI
03.9340.14ANI

Casambi

03.9340.40ACB
03.9340.14ACB

Non Dimmable

03.9341.40A
03.9341.14A

Dali Version

03.9341.40BDA
03.9341.14BDA

Mains Dimming

03.9341.40ANI
03.9341.14ANI

Casambi

03.9341.40ACB
03.9341.14ACB

Non Dimmable

05.1610.40A
05.1610.14A

Dali Version

05.1610.40BDA
05.1610.14BDA

Mains Dimming

05.1610.40ANI
05.1610.14ANI

Casambi

05.1610.40ACB
05.1610.14ACB

Non Dimmable

05.1611.40A
05.1611.14A

Dali Version

05.1611.40BDA
05.1611.14BDA

Mains Dimming

05.1611.40ANI
05.1611.14ANI

Casambi

05.1611.40ACB
05.1611.14ACB

Non Dimmable

05.1612.40A
05.1612.14A

Dali Version

05.1612.40BDA
05.1612.14BDA

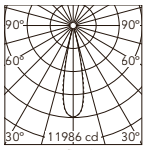
Mains Dimming

05.1612.40ANI
05.1612.14ANI

Casambi

05.1612.40ACB
05.1612.14ACB

22°
MEDIUM



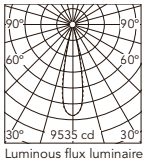
Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11986	0.39
2	2996	0.78
3	1332	1.17
4	749	1.56
5	479	1.95

22°
MEDIUM



Luminous flux luminaire
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9535	0.39
2	2384	0.78
3	1059	1.17
4	596	1.56
5	381	1.95

Optic Medium 3000K

E I Non Dimmable

03.9350.40A
03.9350.14A

Dali Version

03.9350.40BDA
03.9350.14BDA

Mains Dimming

03.9350.40ANI
03.9350.14ANI

Casambi

03.9350.40ACB
03.9350.14ACB

Non Dimmable

03.9351.40A
03.9351.14A

Dali Version

03.9351.40BDA
03.9351.14BDA

Mains Dimming

03.9351.40ANI
03.9351.14ANI

Casambi

03.9351.40ACB
03.9351.14ACB

Non Dimmable

05.1615.40A
05.1615.14A

Dali Version

05.1615.40BDA
05.1615.14BDA

Mains Dimming

05.1615.40ANI
05.1615.14ANI

Casambi

05.1615.40ACB
05.1615.14ACB

Non Dimmable

05.1616.40A
05.1616.14A

Dali Version

05.1616.40BDA
05.1616.14BDA

Mains Dimming

05.1616.40ANI
05.1616.14ANI

Casambi

05.1616.40ACB
05.1616.14ACB

Non Dimmable

05.1617.40A
05.1617.14A

Dali Version

05.1617.40BDA
05.1617.14BDA

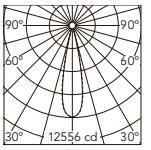
Mains Dimming

05.1617.40ANI
05.1617.14ANI

Casambi

05.1617.40ACB
05.1617.14ACB

22°
MEDIUM



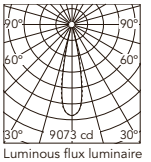
Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

22°
MEDIUM



Luminous flux luminaire
1357 lm (EXTREME CUT OFF)

@White (40) 750mA

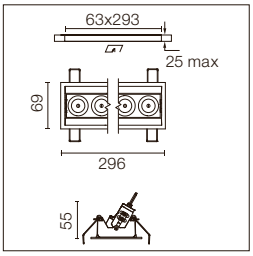
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

Light Shadow Adjustable Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

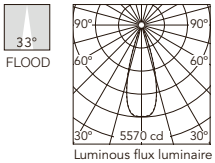
E= External Finish
I= Internal Finish

Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

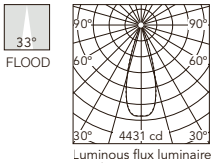
E I Non Dimmable
03.9345.40A
03.9345.14A
Dali Version
03.9345.40BDA
03.9345.14BDA
Mains Dimming
03.9345.40ANI
03.9345.14ANI
Casambi
03.9345.40ACB
03.9345.14ACB
Non Dimmable
03.9346.40A
03.9346.14A
Dali Version
03.9346.40BDA
03.9346.14BDA
Mains Dimming
03.9346.40ANI
03.9346.14ANI
Casambi
03.9346.40ACB
03.9346.14ACB
Non Dimmable
05.1620.40A
05.1620.14A
Dali Version
05.1620.40BDA
05.1620.14BDA
Mains Dimming
05.1620.40ANI
05.1620.14ANI
Casambi
05.1620.40ACB
05.1620.14ACB
Non Dimmable
05.1621.40A
05.1621.14A
Dali Version
05.1621.40BDA
05.1621.14BDA
Mains Dimming
05.1621.40ANI
05.1621.14ANI
Casambi
05.1621.40ACB
05.1621.14ACB
Non Dimmable
05.1622.40A
05.1622.14A
Dali Version
05.1622.40BDA
05.1622.14BDA
Mains Dimming
05.1622.40ANI
05.1622.14ANI
Casambi
05.1622.40ACB
05.1622.14ACB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA



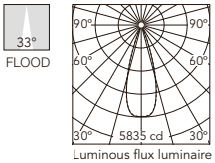
Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Luminous flux luminaire
1421 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Flood 3000K

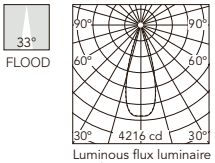
E I Non Dimmable
03.9355.40A
03.9355.14A
Dali Version
03.9355.40BDA
03.9355.14BDA
Mains Dimming
03.9355.40ANI
03.9355.14ANI
Casambi
03.9355.40ACB
03.9355.14ACB
Non Dimmable
03.9356.40A
03.9356.14A
Dali Version
03.9356.40BDA
03.9356.14BDA
Mains Dimming
03.9356.40ANI
03.9356.14ANI
Casambi
03.9356.40ACB
03.9356.14ACB
Non Dimmable
05.1625.40A
05.1625.14A
Dali Version
05.1625.40BDA
05.1625.14BDA
Mains Dimming
05.1625.40ANI
05.1625.14ANI
Casambi
05.1625.40ACB
05.1625.14ACB
Non Dimmable
05.1626.40A
05.1626.14A
Dali Version
05.1626.40BDA
05.1626.14BDA
Mains Dimming
05.1626.40ANI
05.1626.14ANI
Casambi
05.1626.40ACB
05.1626.14ACB
Non Dimmable
05.1627.40A
05.1627.14A
Dali Version
05.1627.40BDA
05.1627.14BDA
Mains Dimming
05.1627.40ANI
05.1627.14ANI
Casambi
05.1627.40ACB
05.1627.14ACB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA



Beam Angle: 33°

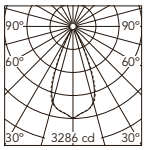
h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

Luminous flux luminaire
1353 lm (EXTREME CUT OFF)
@White (40) 750mA

Optic Wide Flood 2700K

E I Non Dimmable
03.7316.40A
03.7316.14A
Dali Version
03.7316.40BDA
03.7316.14BDA
Mains Dimming
03.7316.40ANI
03.7316.14ANI
Casambi
03.7316.40ACB
03.7316.14ACB
Non Dimmable
03.7317.40A
03.7317.14A
Dali Version
03.7317.40BDA
03.7317.14BDA
Mains Dimming
03.7317.40ANI
03.7317.14ANI
Casambi
03.7317.40ACB
03.7317.14ACB
Non Dimmable
05.1630.40A
05.1630.14A
Dali Version
05.1630.40BDA
05.1630.14BDA
Mains Dimming
05.1630.40ANI
05.1630.14ANI
Casambi
05.1630.40ACB
05.1630.14ACB
Non Dimmable
05.1631.40A
05.1631.14A
Dali Version
05.1631.40BDA
05.1631.14BDA
Mains Dimming
05.1631.40ANI
05.1631.14ANI
Casambi
05.1631.40ACB
05.1631.14ACB
Non Dimmable
05.1632.40A
05.1632.14A
Dali Version
05.1632.40BDA
05.1632.14BDA
Mains Dimming
05.1632.40ANI
05.1632.14ANI
Casambi
05.1632.40ACB
05.1632.14ACB

45° WIDE FLOOD

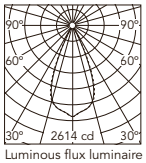


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	3286 0.83
2	822 1.67
3	365 2.50
4	205 3.34
5	131 4.17

45° WIDE FLOOD



Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

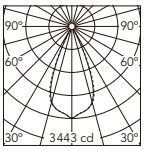
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	2614 0.83
2	654 1.67
3	290 2.50
4	163 3.34
5	105 4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.7320.40A
03.7320.14A
Dali Version
03.7320.40BDA
03.7320.14BDA
Mains Dimming
03.7320.40ANI
03.7320.14ANI
Casambi
03.7320.40ACB
03.7320.14ACB
Non Dimmable
03.7321.40A
03.7321.14A
Dali Version
03.7321.40BDA
03.7321.14BDA
Mains Dimming
03.7321.40ANI
03.7321.14ANI
Casambi
03.7321.40ACB
03.7321.14ACB
Non Dimmable
05.1635.40A
05.1635.14A
Dali Version
05.1635.40BDA
05.1635.14BDA
Mains Dimming
05.1635.40ANI
05.1635.14ANI
Casambi
05.1635.40ACB
05.1635.14ACB
Non Dimmable
05.1636.40A
05.1636.14A
Dali Version
05.1636.40BDA
05.1636.14BDA
Mains Dimming
05.1636.40ANI
05.1636.14ANI
Casambi
05.1636.40ACB
05.1636.14ACB
Non Dimmable
05.1637.40A
05.1637.14A
Dali Version
05.1637.40BDA
05.1637.14BDA
Mains Dimming
05.1637.40ANI
05.1637.14ANI
Casambi
05.1637.40ACB
05.1637.14ACB

45° WIDE FLOOD

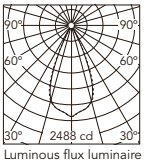


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx) D(m)
1	3443 0.83
2	861 1.67
3	383 2.50
4	215 3.34
5	138 4.17

45° WIDE FLOOD



Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

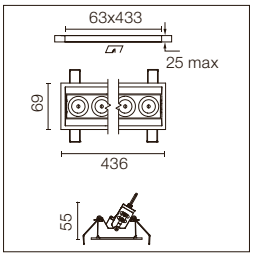
@White (40) 750mA

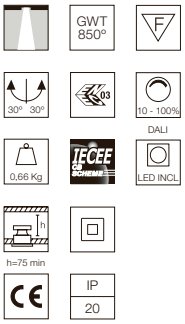
Beam Angle:	45°
h(m)	E(lx) D(m)
1	2488 0.83
2	622 1.67
3	276 2.50
4	155 3.34
5	100 4.17

Light Shadow Adjustable Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

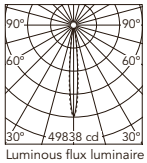
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8908.40A
03.8908.14A
Dali & Push Version
03.8908.40BDA
03.8908.14BDA
Mains Dimming
03.8908.40ANI
03.8908.14ANI
Casambi
03.8908.40ACB
03.8908.14ACB
Non Dimmable
03.8909.40A
03.8909.14A
Dali & Push Version
03.8909.40BDA
03.8909.14BDA
Mains Dimming
03.8909.40ANI
03.8909.14ANI
Casambi
03.8909.40ACB
03.8909.14ACB
Non Dimmable
05.1700.40A
05.1700.14A
Dali & Push Version
05.1700.40BDA
05.1700.14BDA
Mains Dimming
05.1700.40ANI
05.1700.14ANI
Casambi
05.1700.40ACB
05.1700.14ACB
Non Dimmable
05.1701.40A
05.1701.14A
Dali & Push Version
05.1701.40BDA
05.1701.14BDA
Mains Dimming
05.1701.40ANI
05.1701.14ANI
Casambi
05.1701.40ACB
05.1701.14ACB
Non Dimmable
05.1702.40A
05.1702.14A
Dali & Push Version
05.1702.40BDA
05.1702.14BDA
Mains Dimming
05.1702.40ANI
05.1702.14ANI
Casambi
05.1702.40ACB
05.1702.14ACB

10° SPOT



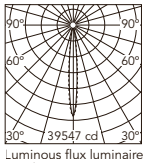
Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2162 lm (EXTREME CUT OFF)

@White (40) 750mA

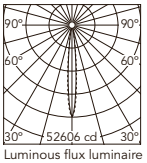
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable
03.8912.40A
03.8912.14A
Dali & Push Version
03.8912.40BDA
03.8912.14BDA
Mains Dimming
03.8912.40ANI
03.8912.14ANI
Casambi
03.8912.40ACB
03.8912.14ACB
Non Dimmable
03.8913.40A
03.8913.14A
Dali & Push Version
03.8913.40BDA
03.8913.14BDA
Mains Dimming
03.8913.40ANI
03.8913.14ANI
Casambi
03.8913.40ACB
03.8913.14ACB
Non Dimmable
05.1705.40A
05.1705.14A
Dali & Push Version
05.1705.40BDA
05.1705.14BDA
Mains Dimming
05.1705.40ANI
05.1705.14ANI
Casambi
05.1705.40ACB
05.1705.14ACB
Non Dimmable
05.1706.40A
05.1706.14A
Dali & Push Version
05.1706.40BDA
05.1706.14BDA
Mains Dimming
05.1706.40ANI
05.1706.14ANI
Casambi
05.1706.40ACB
05.1706.14ACB
Non Dimmable
05.1707.40A
05.1707.14A
Dali & Push Version
05.1707.40BDA
05.1707.14BDA
Mains Dimming
05.1707.40ANI
05.1707.14ANI
Casambi
05.1707.40ACB
05.1707.14ACB

10° SPOT



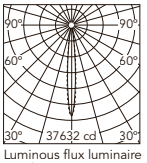
Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

Optic Medium 2700K

E I Non Dimmable

03.9360.40A
03.9360.14A

Dali & Push Version

03.9360.40BDA
03.9360.14BDA

Mains Dimming

03.9360.40ANI
03.9360.14ANI

Casambi

03.9360.40ACB
03.9360.14ACB

Non Dimmable

03.9361.40A
03.9361.14A

Dali & Push Version

03.9361.40BDA
03.9361.14BDA

Mains Dimming

03.9361.40ANI
03.9361.14ANI

Casambi

03.9361.40ACB
03.9361.14ACB

Non Dimmable

05.1710.40A
05.1710.14A

Dali & Push Version

05.1710.40BDA
05.1710.14BDA

Mains Dimming

05.1710.40ANI
05.1710.14ANI

Casambi

05.1710.40ACB
05.1710.14ACB

Non Dimmable

05.1711.40A
05.1711.14A

Dali & Push Version

05.1711.40BDA
05.1711.14BDA

Mains Dimming

05.1711.40ANI
05.1711.14ANI

Casambi

05.1711.40ACB
05.1711.14ACB

Non Dimmable

05.1712.40A
05.1712.14A

Dali & Push Version

05.1712.40BDA
05.1712.14BDA

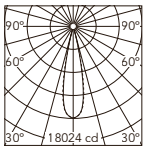
Mains Dimming

05.1712.40ANI
05.1712.14ANI

Casambi

05.1712.40ACB
05.1712.14ACB

22°
MEDIUM



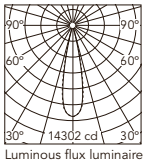
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9370.40A
03.9370.14A

Dali & Push Version

03.9370.40BDA
03.9370.14BDA

Mains Dimming

03.9370.40ANI
03.9370.14ANI

Casambi

03.9370.40ACB
03.9370.14ACB

Non Dimmable

03.9371.40A
03.9371.14A

Dali & Push Version

03.9371.40BDA
03.9371.14BDA

Mains Dimming

03.9371.40ANI
03.9371.14ANI

Casambi

03.9371.40ACB
03.9371.14ACB

Non Dimmable

05.1715.40A
05.1715.14A

Dali & Push Version

05.1715.40BDA
05.1715.14BDA

Mains Dimming

05.1715.40ANI
05.1715.14ANI

Casambi

05.1715.40ACB
05.1715.14ACB

Non Dimmable

05.1716.40A
05.1716.14A

Dali & Push Version

05.1716.40BDA
05.1716.14BDA

Mains Dimming

05.1716.40ANI
05.1716.14ANI

Casambi

05.1716.40ACB
05.1716.14ACB

Non Dimmable

05.1717.40A
05.1717.14A

Dali & Push Version

05.1717.40BDA
05.1717.14BDA

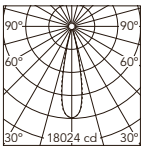
Mains Dimming

05.1717.40ANI
05.1717.14ANI

Casambi

05.1717.40ACB
05.1717.14ACB

22°
MEDIUM



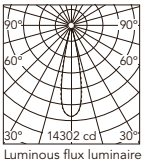
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

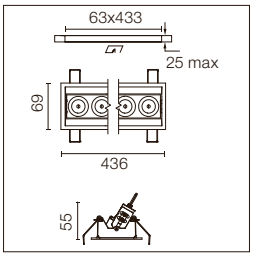
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Light Shadow Adjustable Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

E= External Finish
I= Internal Finish

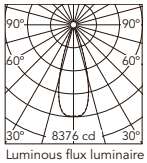
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9365.40A
03.9365.14A
Dali & Push Version
03.9365.40BDA
03.9365.14BDA
Mains Dimming
03.9365.40ANI
03.9365.14ANI
Casambi
03.9365.40ACB
03.9365.14ACB
Non Dimmable
03.9366.40A
03.9366.14A
Dali & Push Version
03.9366.40BDA
03.9366.14BDA
Mains Dimming
03.9366.40ANI
03.9366.14ANI
Casambi
03.9366.40ACB
03.9366.14ACB
Non Dimmable
05.1720.40A
05.1720.14A
Dali & Push Version
05.1720.40BDA
05.1720.14BDA
Mains Dimming
05.1720.40ANI
05.1720.14ANI
Casambi
05.1720.40ACB
05.1720.14ACB
Non Dimmable
05.1721.40A
05.1721.14A
Dali & Push Version
05.1721.40BDA
05.1721.14BDA
Mains Dimming
05.1721.40ANI
05.1721.14ANI
Casambi
05.1721.40ACB
05.1721.14ACB
Non Dimmable
05.1722.40A
05.1722.14A
Dali & Push Version
05.1722.40BDA
05.1722.14BDA
Mains Dimming
05.1722.40ANI
05.1722.14ANI
Casambi
05.1722.40ACB
05.1722.14ACB

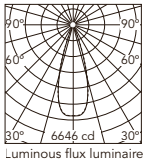
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8376 0.59
2	2094 1.18
3	931 1.78
4	523 2.37
5	335 2.96

33° FLOOD



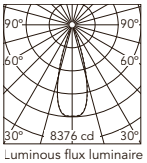
Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	6646 0.59
2	1662 1.18
3	738 1.78
4	415 2.37
5	266 2.96

Optic Flood 3000K

E I Non Dimmable
03.9375.40A
03.9375.14A
Dali & Push Version
03.9375.40BDA
03.9375.14BDA
Mains Dimming
03.9375.40ANI
03.9375.14ANI
Casambi
03.9375.40ACB
03.9375.14ACB
Non Dimmable
03.9376.40A
03.9376.14A
Dali & Push Version
03.9376.40BDA
03.9376.14BDA
Mains Dimming
03.9376.40ANI
03.9376.14ANI
Casambi
03.9376.40ACB
03.9376.14ACB
Non Dimmable
05.1725.40A
05.1725.14A
Dali & Push Version
05.1725.40BDA
05.1725.14BDA
Mains Dimming
05.1725.40ANI
05.1725.14ANI
Casambi
05.1725.40ACB
05.1725.14ACB
Non Dimmable
05.1726.40A
05.1726.14A
Dali & Push Version
05.1726.40BDA
05.1726.14BDA
Mains Dimming
05.1726.40ANI
05.1726.14ANI
Casambi
05.1726.40ACB
05.1726.14ACB
Non Dimmable
05.1727.40A
05.1727.14A
Dali & Push Version
05.1727.40BDA
05.1727.14BDA
Mains Dimming
05.1727.40ANI
05.1727.14ANI
Casambi
05.1727.40ACB
05.1727.14ACB

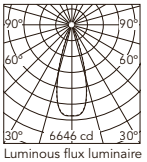
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8376 0.59
2	2094 1.18
3	931 1.78
4	523 2.37
5	335 2.96

33° FLOOD



Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	6646 0.59
2	1662 1.18
3	738 1.78
4	415 2.37
5	266 2.96

Optic Wide Flood 2700K

E I

Non Dimmable
03.7324.40A
03.7324.14A

Dali & Push Version
03.7324.40BDA
03.7324.14BDA

Mains Dimming
03.7324.40ANI
03.7324.14ANI

Casambi
03.7324.40ACB
03.7324.14ACB

Non Dimmable
03.7325.40A
03.7325.14A

Dali & Push Version
03.7325.40BDA
03.7325.14BDA

Mains Dimming
03.7325.40ANI
03.7325.14ANI

Casambi
03.7325.40ACB
03.7325.14ACB

Non Dimmable
05.1730.40A
05.1730.14A

Dali & Push Version
05.1730.40BDA
05.1730.14BDA

Mains Dimming
05.1730.40ANI
05.1730.14ANI

Casambi
05.1730.40ACB
05.1730.14ACB

Non Dimmable
05.1731.40A
05.1731.14A

Dali & Push Version
05.1731.40BDA
05.1731.14BDA

Mains Dimming
05.1731.40ANI
05.1731.14ANI

Casambi
05.1731.40ACB
05.1731.14ACB

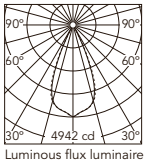
Non Dimmable
05.1732.40A
05.1732.14A

Dali & Push Version
05.1732.40BDA
05.1732.14BDA

Mains Dimming
05.1732.40ANI
05.1732.14ANI

Casambi
05.1732.40ACB
05.1732.14ACB

45° WIDE FLOOD

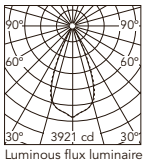


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Optic Wide Flood 3000K

E I

Non Dimmable
03.7328.40A
03.7328.14A

Dali & Push Version
03.7328.40BDA
03.7328.14BDA

Mains Dimming
03.7328.40ANI
03.7328.14ANI

Casambi
03.7328.40ACB
03.7328.14ACB

Non Dimmable
03.7329.40A
03.7329.14A

Dali & Push Version
03.7329.40BDA
03.7329.14BDA

Mains Dimming
03.7329.40ANI
03.7329.14ANI

Casambi
03.7329.40ACB
03.7329.14ACB

Non Dimmable
05.1735.40A
05.1735.14A

Dali & Push Version
05.1735.40BDA
05.1735.14BDA

Mains Dimming
05.1735.40ANI
05.1735.14ANI

Casambi
05.1735.40ACB
05.1735.14ACB

Non Dimmable
05.1736.40A
05.1736.14A

Dali & Push Version
05.1736.40BDA
05.1736.14BDA

Mains Dimming
05.1736.40ANI
05.1736.14ANI

Casambi
05.1736.40ACB
05.1736.14ACB

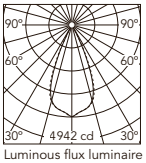
Non Dimmable
05.1737.40A
05.1737.14A

Dali & Push Version
05.1737.40BDA
05.1737.14BDA

Mains Dimming
05.1737.40ANI
05.1737.14ANI

Casambi
05.1737.40ACB
05.1737.14ACB

45° WIDE FLOOD

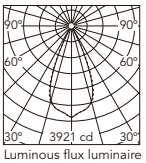


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

45° WIDE FLOOD



Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

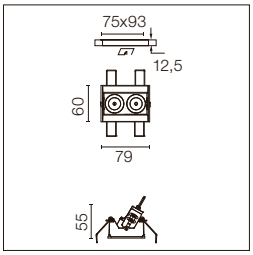
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

Light Shadow Adjustable No Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

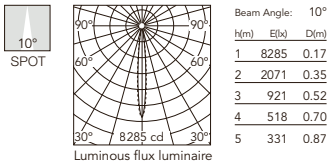
E= External Finish
I= Internal Finish

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8916.40A
03.8916.14A
Dali Version
03.8916.40BDA
03.8916.14BDA
Mains Dimming
03.8916.40ANI
03.8916.14ANI
Casambi
03.8916.40ACB
03.8916.14ACB
Non Dimmable
03.8917.40A
03.8917.14A
Dali Version
03.8917.40BDA
03.8917.14BDA
Mains Dimming
03.8917.40ANI
03.8917.14ANI
Casambi
03.8917.40ACB
03.8917.14ACB
Non Dimmable
05.1440.40A
05.1440.14A
Dali Version
05.1440.40BDA
05.1440.14BDA
Mains Dimming
05.1440.40ANI
05.1440.14ANI
Casambi
05.1440.40ACB
05.1440.14ACB
Non Dimmable
05.1441.40A
05.1441.14A
Dali Version
05.1441.40BDA
05.1441.14BDA
Mains Dimming
05.1441.40ANI
05.1441.14ANI
Casambi
05.1441.40ACB
05.1441.14ACB
Non Dimmable
05.1442.40A
05.1442.14A
Dali Version
05.1442.40BDA
05.1442.14BDA
Mains Dimming
05.1442.40ANI
05.1442.14ANI
Casambi
05.1442.40ACB
05.1442.14ACB



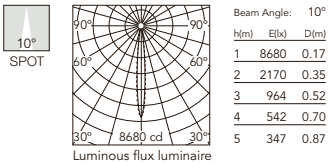
Luminous flux luminaire 453 lm

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

@White (40)

Optic Spot 3000K

E I Non Dimmable
03.8920.40A
03.8920.14A
Dali Version
03.8920.40BDA
03.8920.14BDA
Mains Dimming
03.8920.40ANI
03.8920.14ANI
Casambi
03.8920.40ACB
03.8920.14ACB
Non Dimmable
03.8921.40A
03.8921.14A
Dali Version
03.8921.40BDA
03.8921.14BDA
Mains Dimming
03.8921.40ANI
03.8921.14ANI
Casambi
03.8921.40ACB
03.8921.14ACB
Non Dimmable
05.1445.40A
05.1445.14A
Dali Version
05.1445.40BDA
05.1445.14BDA
Mains Dimming
05.1445.40ANI
05.1445.14ANI
Casambi
05.1445.40ACB
05.1445.14ACB
Non Dimmable
05.1446.40A
05.1446.14A
Dali Version
05.1446.40BDA
05.1446.14BDA
Mains Dimming
05.1446.40ANI
05.1446.14ANI
Casambi
05.1446.40ACB
05.1446.14ACB
Non Dimmable
05.1447.40A
05.1447.14A
Dali Version
05.1447.40BDA
05.1447.14BDA
Mains Dimming
05.1447.40ANI
05.1447.14ANI
Casambi
05.1447.40ACB
05.1447.14ACB



Luminous flux luminaire 475 lm

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	542	0.70
5	347	0.87

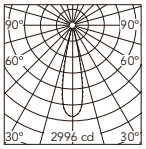
@White (40)

Optic Medium 2700K

E I Non Dimmable
03.9400.40A
03.9400.14A
Dali Version
03.9400.40BDA
03.9400.14BDA
Mains Dimming
03.9400.40ANI
03.9400.14ANI
Casambi
03.9400.40ACB
03.9400.14ACB
Non Dimmable
03.9401.40A
03.9401.14A
Dali Version
03.9401.40BDA
03.9401.14BDA
Mains Dimming
03.9401.40ANI
03.9401.14ANI
Casambi
03.9401.40ACB
03.9401.14ACB
Non Dimmable
05.1450.40A
05.1450.14A
Dali Version
05.1450.40BDA
05.1450.14BDA
Mains Dimming
05.1450.40ANI
05.1450.14ANI
Casambi
05.1450.40ACB
05.1450.14ACB
Non Dimmable
05.1451.40A
05.1451.14A
Dali Version
05.1451.40BDA
05.1451.14BDA
Mains Dimming
05.1451.40ANI
05.1451.14ANI
Casambi
05.1451.40ACB
05.1451.14ACB
Non Dimmable
05.1452.40A
05.1452.14A
Dali Version
05.1452.40BDA
05.1452.14BDA
Mains Dimming
05.1452.40ANI
05.1452.14ANI
Casambi
05.1452.40ACB
05.1452.14ACB



MEDIUM



Luminous flux luminaire
448 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

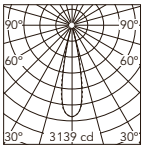
@White (40)

Optic Medium 3000K

E I Non Dimmable
03.9410.40A
03.9410.14A
Dali Version
03.9410.40BDA
03.9410.14BDA
Mains Dimming
03.9410.40ANI
03.9410.14ANI
Casambi
03.9410.40ACB
03.9410.14ACB
Non Dimmable
03.9411.40A
03.9411.14A
Dali Version
03.9411.40BDA
03.9411.14BDA
Mains Dimming
03.9411.40ANI
03.9411.14ANI
Casambi
03.9411.40ACB
03.9411.14ACB
Non Dimmable
05.1455.40A
05.1455.14A
Dali Version
05.1455.40BDA
05.1455.14BDA
Mains Dimming
05.1455.40ANI
05.1455.14ANI
Casambi
05.1455.40ACB
05.1455.14ACB
Non Dimmable
05.1456.40A
05.1456.14A
Dali Version
05.1456.40BDA
05.1456.14BDA
Mains Dimming
05.1456.40ANI
05.1456.14ANI
Casambi
05.1456.40ACB
05.1456.14ACB
Non Dimmable
05.1457.40A
05.1457.14A
Dali Version
05.1457.40BDA
05.1457.14BDA
Mains Dimming
05.1457.40ANI
05.1457.14ANI
Casambi
05.1457.40ACB
05.1457.14ACB



MEDIUM



Luminous flux luminaire
470 lm

Beam Angle: 22°

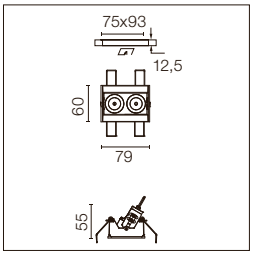
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

@White (40)

Light Shadow Adjustable No Trim 2 Spots

Light Source: Power LED DC 900 mA 7W - 540 lm - 2700K/CRI 90 / 7W - 570 lm - 3000K/CRI 90







Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

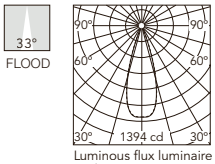
E= External Finish
I= Internal Finish

Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9405.40A
03.9405.14A
Dali Version
03.9405.40BDA
03.9405.14BDA
Mains Dimming
03.9405.40ANI
03.9405.14ANI
Casambi
03.9405.40ACB
03.9405.14ACB
Non Dimmable
03.9406.40A
03.9406.14A
Dali Version
03.9406.40BDA
03.9406.14BDA
Mains Dimming
03.9406.40ANI
03.9406.14ANI
Casambi
03.9406.40ACB
03.9406.14ACB
Non Dimmable
05.1460.40A
05.1460.14A
Dali Version
05.1460.40BDA
05.1460.14BDA
Mains Dimming
05.1460.40ANI
05.1460.14ANI
Casambi
05.1460.40ACB
05.1460.14ACB
Non Dimmable
05.1461.40A
05.1461.14A
Dali Version
05.1461.40BDA
05.1461.14BDA
Mains Dimming
05.1461.40ANI
05.1461.14ANI
Casambi
05.1461.40ACB
05.1461.14ACB
Non Dimmable
05.1462.40A
05.1462.14A
Dali Version
05.1462.40BDA
05.1462.14BDA
Mains Dimming
05.1462.40ANI
05.1462.14ANI
Casambi
05.1462.40ACB
05.1462.14ACB



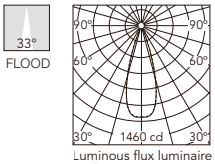
Luminous flux luminaire 447 lm

@White (40)

Beam Angle:	33°
h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Optic Flood 3000K

E I Non Dimmable
03.9415.40A
03.9415.14A
Dali Version
03.9415.40BDA
03.9415.14BDA
Mains Dimming
03.9415.40ANI
03.9415.14ANI
Casambi
03.9415.40ACB
03.9415.14ACB
Non Dimmable
03.9416.40A
03.9416.14A
Dali Version
03.9416.40BDA
03.9416.14BDA
Mains Dimming
03.9416.40ANI
03.9416.14ANI
Casambi
03.9416.40ACB
03.9416.14ACB
Non Dimmable
05.1465.40A
05.1465.14A
Dali Version
05.1465.40BDA
05.1465.14BDA
Mains Dimming
05.1465.40ANI
05.1465.14ANI
Casambi
05.1465.40ACB
05.1465.14ACB
Non Dimmable
05.1466.40A
05.1466.14A
Dali Version
05.1466.40BDA
05.1466.14BDA
Mains Dimming
05.1466.40ANI
05.1466.14ANI
Casambi
05.1466.40ACB
05.1466.14ACB
Non Dimmable
05.1467.40A
05.1467.14A
Dali Version
05.1467.40BDA
05.1467.14BDA
Mains Dimming
05.1467.40ANI
05.1467.14ANI
Casambi
05.1467.40ACB
05.1467.14ACB



Luminous flux luminaire 468 lm

@White (40)

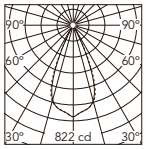
Beam Angle:	33°
h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7350.40A
03.7350.14A
Dali Version
03.7350.40BDA
03.7350.14BDA
Mains Dimming
03.7350.40ANI
03.7350.14ANI
Casambi
03.7350.40ACB
03.7350.14ACB
Non Dimmable
03.7351.40A
03.7351.14A
Dali Version
03.7351.40BDA
03.7351.14BDA
Mains Dimming
03.7351.40ANI
03.7351.14ANI
Casambi
03.7351.40ACB
03.7351.14ACB
Non Dimmable
05.1470.40A
05.1470.14A
Dali Version
05.1470.40BDA
05.1470.14BDA
Mains Dimming
05.1470.40ANI
05.1470.14ANI
Casambi
05.1470.40ACB
05.1470.14ACB
Non Dimmable
05.1471.40A
05.1471.14A
Dali Version
05.1471.40BDA
05.1471.14BDA
Mains Dimming
05.1471.40ANI
05.1471.14ANI
Casambi
05.1471.40ACB
05.1471.14ACB
Non Dimmable
05.1472.40A
05.1472.14A
Dali Version
05.1472.40BDA
05.1472.14BDA
Mains Dimming
05.1472.40ANI
05.1472.14ANI
Casambi
05.1472.40ACB
05.1472.14ACB



WIDE FLOOD



Luminous flux luminaire
441 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

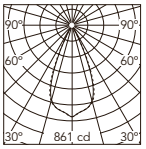
@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7354.40A
03.7354.14A
Dali Version
03.7354.40BDA
03.7354.14BDA
Mains Dimming
03.7354.40ANI
03.7354.14ANI
Casambi
03.7354.40ACB
03.7354.14ACB
Non Dimmable
03.7355.40A
03.7355.14A
Dali Version
03.7355.40BDA
03.7355.14BDA
Mains Dimming
03.7355.40ANI
03.7355.14ANI
Casambi
03.7355.40ACB
03.7355.14ACB
Non Dimmable
05.1475.40A
05.1475.14A
Dali Version
05.1475.40BDA
05.1475.14BDA
Mains Dimming
05.1475.40ANI
05.1475.14ANI
Casambi
05.1475.40ACB
05.1475.14ACB
Non Dimmable
05.1476.40A
05.1476.14A
Dali Version
05.1476.40BDA
05.1476.14BDA
Mains Dimming
05.1476.40ANI
05.1476.14ANI
Casambi
05.1476.40ACB
05.1476.14ACB
Non Dimmable
05.1477.40A
05.1477.14A
Dali Version
05.1477.40BDA
05.1477.14BDA
Mains Dimming
05.1477.40ANI
05.1477.14ANI
Casambi
05.1477.40ACB
05.1477.14ACB



WIDE FLOOD



Luminous flux luminaire
462 lm

Beam Angle: 45°

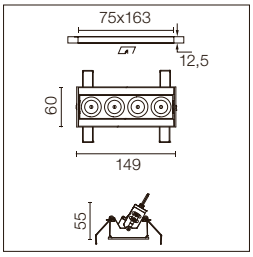
h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

@White (40)

Light Shadow Adjustable No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







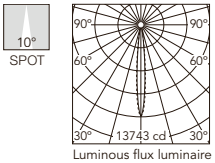
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K



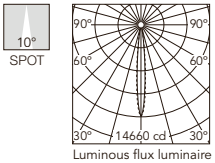
Luminous flux luminaire 751 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

E I Non Dimmable
03.8924.40A
03.8924.14A
Dali Version
03.8924.40BDA
03.8924.14BDA
Mains Dimming
03.8924.40ANI
03.8924.14ANI
Casambi
03.8924.40ACB
03.8924.14ACB
Non Dimmable
03.8925.40A
03.8925.14A
Dali Version
03.8925.40BDA
03.8925.14BDA
Mains Dimming
03.8925.40ANI
03.8925.14ANI
Casambi
03.8925.40ACB
03.8925.14ACB
Non Dimmable
05.1540.40A
05.1540.14A
Dali Version
05.1540.40BDA
05.1540.14BDA
Mains Dimming
05.1540.40ANI
05.1540.14ANI
Casambi
05.1540.40ACB
05.1540.14ACB
Non Dimmable
05.1541.40A
05.1541.14A
Dali Version
05.1541.40BDA
05.1541.14BDA
Mains Dimming
05.1541.40ANI
05.1541.14ANI
Casambi
05.1541.40ACB
05.1541.14ACB
Non Dimmable
05.1542.40A
05.1542.14A
Dali Version
05.1542.40BDA
05.1542.14BDA
Mains Dimming
05.1542.40ANI
05.1542.14ANI
Casambi
05.1542.40ACB
05.1542.14ACB

Optic Spot 3000K



Luminous flux luminaire 801 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	10°	
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

E I Non Dimmable
03.8928.40A
03.8928.14A
Dali Version
03.8928.40BDA
03.8928.14BDA
Mains Dimming
03.8928.40ANI
03.8928.14ANI
Casambi
03.8928.40ACB
03.8928.14ACB
Non Dimmable
03.8929.40A
03.8929.14A
Dali Version
03.8929.40BDA
03.8929.14BDA
Mains Dimming
03.8929.40ANI
03.8929.14ANI
Casambi
03.8929.40ACB
03.8929.14ACB
Non Dimmable
05.1545.40A
05.1545.14A
Dali Version
05.1545.40BDA
05.1545.14BDA
Mains Dimming
05.1545.40ANI
05.1545.14ANI
Casambi
05.1545.40ACB
05.1545.14ACB
Non Dimmable
05.1546.40A
05.1546.14A
Dali Version
05.1546.40BDA
05.1546.14BDA
Mains Dimming
05.1546.40ANI
05.1546.14ANI
Casambi
05.1546.40ACB
05.1546.14ACB
Non Dimmable
05.1547.40A
05.1547.14A
Dali Version
05.1547.40BDA
05.1547.14BDA
Mains Dimming
05.1547.40ANI
05.1547.14ANI
Casambi
05.1547.40ACB
05.1547.14ACB

Optic Medium 2700K

E I

Non Dimmable
03.9420.40A
03.9420.14A

Dali Version
03.9420.40BDA
03.9420.14BDA

Mains Dimming
03.9420.40ANI
03.9420.14ANI

Casambi
03.9420.40ACB
03.9420.14ACB

Non Dimmable
03.9421.40A
03.9421.14A

Dali Version
03.9421.40BDA
03.9421.14BDA

Mains Dimming
03.9421.40ANI
03.9421.14ANI

Casambi
03.9421.40ACB
03.9421.14ACB

Non Dimmable
05.1550.40A
05.1550.14A

Dali Version
05.1550.40BDA
05.1550.14BDA

Mains Dimming
05.1550.40ANI
05.1550.14ANI

Casambi
05.1550.40ACB
05.1550.14ACB

Non Dimmable
05.1551.40A
05.1551.14A

Dali Version
05.1551.40BDA
05.1551.14BDA

Mains Dimming
05.1551.40ANI
05.1551.14ANI

Casambi
05.1551.40ACB
05.1551.14ACB

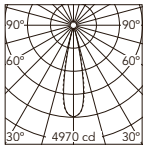
Non Dimmable
05.1552.40A
05.1552.14A

Dali Version
05.1552.40BDA
05.1552.14BDA

Mains Dimming
05.1552.40ANI
05.1552.14ANI

Casambi
05.1552.40ACB
05.1552.14ACB

22°
MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Optic Medium 3000K

E I

Non Dimmable
03.9430.40A
03.9430.14A

Dali Version
03.9430.40BDA
03.9430.14BDA

Mains Dimming
03.9430.40ANI
03.9430.14ANI

Casambi
03.9430.40ACB
03.9430.14ACB

Non Dimmable
03.9431.40A
03.9431.14A

Dali Version
03.9431.40BDA
03.9431.14BDA

Mains Dimming
03.9431.40ANI
03.9431.14ANI

Casambi
03.9431.40ACB
03.9431.14ACB

Non Dimmable
05.1555.40A
05.1555.14A

Dali Version
05.1555.40BDA
05.1555.14BDA

Mains Dimming
05.1555.40ANI
05.1555.14ANI

Casambi
05.1555.40ACB
05.1555.14ACB

Non Dimmable
05.1556.40A
05.1556.14A

Dali Version
05.1556.40BDA
05.1556.14BDA

Mains Dimming
05.1556.40ANI
05.1556.14ANI

Casambi
05.1556.40ACB
05.1556.14ACB

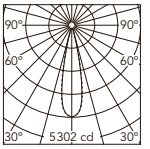
Non Dimmable
05.1557.40A
05.1557.14A

Dali Version
05.1557.40BDA
05.1557.14BDA

Mains Dimming
05.1557.40ANI
05.1557.14ANI

Casambi
05.1557.40ACB
05.1557.14ACB

22°
MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

@White (40)

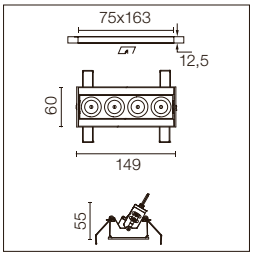
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Light Shadow Adjustable No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish.

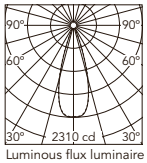
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9425.40A
03.9425.14A
Dali Version
03.9425.40BDA
03.9425.14BDA
Mains Dimming
03.9425.40ANI
03.9425.14ANI
Casambi
03.9425.40ACB
03.9425.14ACB
Non Dimmable
03.9426.40A
03.9426.14A
Dali Version
03.9426.40BDA
03.9426.14BDA
Mains Dimming
03.9426.40ANI
03.9426.14ANI
Casambi
03.9426.40ACB
03.9426.14ACB
Non Dimmable
05.1560.40A
05.1560.14A
Dali Version
05.1560.40BDA
05.1560.14BDA
Mains Dimming
05.1560.40ANI
05.1560.14ANI
Casambi
05.1560.40ACB
05.1560.14ACB
Non Dimmable
05.1561.40A
05.1561.14A
Dali Version
05.1561.40BDA
05.1561.14BDA
Mains Dimming
05.1561.40ANI
05.1561.14ANI
Casambi
05.1561.40ACB
05.1561.14ACB
Non Dimmable
05.1562.40A
05.1562.14A
Dali Version
05.1562.40BDA
05.1562.14BDA
Mains Dimming
05.1562.40ANI
05.1562.14ANI
Casambi
05.1562.40ACB
05.1562.14ACB

33°
FLOOD



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

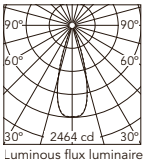
@White (40)

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Optic Flood 3000K

E I Non Dimmable
03.9435.40A
03.9435.14A
Dali Version
03.9435.40BDA
03.9435.14BDA
Mains Dimming
03.9435.40ANI
03.9435.14ANI
Casambi
03.9435.40ACB
03.9435.14ACB
Non Dimmable
03.9436.40A
03.9436.14A
Dali Version
03.9436.40BDA
03.9436.14BDA
Mains Dimming
03.9436.40ANI
03.9436.14ANI
Casambi
03.9436.40ACB
03.9436.14ACB
Non Dimmable
05.1565.40A
05.1565.14A
Dali Version
05.1565.40BDA
05.1565.14BDA
Mains Dimming
05.1565.40ANI
05.1565.14ANI
Casambi
05.1565.40ACB
05.1565.14ACB
Non Dimmable
05.1566.40A
05.1566.14A
Dali Version
05.1566.40BDA
05.1566.14BDA
Mains Dimming
05.1566.40ANI
05.1566.14ANI
Casambi
05.1566.40ACB
05.1566.14ACB
Non Dimmable
05.1567.40A
05.1567.14A
Dali Version
05.1567.40BDA
05.1567.14BDA
Mains Dimming
05.1567.40ANI
05.1567.14ANI
Casambi
05.1567.40ACB
05.1567.14ACB

33°
FLOOD



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

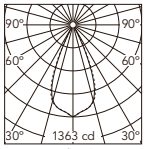
Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7358.40A
03.7358.14A
Dali Version
03.7358.40BDA
03.7358.14BDA
Mains Dimming
03.7358.40ANI
03.7358.14ANI
Casambi
03.7358.40ACB
03.7358.14ACB
Non Dimmable
03.7359.40A
03.7359.14A
Dali Version
03.7359.40BDA
03.7359.14BDA
Mains Dimming
03.7359.40ANI
03.7359.14ANI
Casambi
03.7359.40ACB
03.7359.14ACB
Non Dimmable
05.1570.40A
05.1570.14A
Dali Version
05.1570.40BDA
05.1570.14BDA
Mains Dimming
05.1570.40ANI
05.1570.14ANI
Casambi
05.1570.40ACB
05.1570.14ACB
Non Dimmable
05.1571.40A
05.1571.14A
Dali Version
05.1571.40BDA
05.1571.14BDA
Mains Dimming
05.1571.40ANI
05.1571.14ANI
Casambi
05.1571.40ACB
05.1571.14ACB
Non Dimmable
05.1572.40A
05.1572.14A
Dali Version
05.1572.40BDA
05.1572.14BDA
Mains Dimming
05.1572.40ANI
05.1572.14ANI
Casambi
05.1572.40ACB
05.1572.14ACB



WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

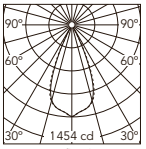
@White (40)

Optic Wide Flood 3000K

E I Non Dimmable
03.7362.40A
03.7362.14A
Dali Version
03.7362.40BDA
03.7362.14BDA
Mains Dimming
03.7362.40ANI
03.7362.14ANI
Casambi
03.7362.40ACB
03.7362.14ACB
Non Dimmable
03.7363.40A
03.7363.14A
Dali Version
03.7363.40BDA
03.7363.14BDA
Mains Dimming
03.7363.40ANI
03.7363.14ANI
Casambi
03.7363.40ACB
03.7363.14ACB
Non Dimmable
05.1575.40A
05.1575.14A
Dali Version
05.1575.40BDA
05.1575.14BDA
Mains Dimming
05.1575.40ANI
05.1575.14ANI
Casambi
05.1575.40ACB
05.1575.14ACB
Non Dimmable
05.1576.40A
05.1576.14A
Dali Version
05.1576.40BDA
05.1576.14BDA
Mains Dimming
05.1576.40ANI
05.1576.14ANI
Casambi
05.1576.40ACB
05.1576.14ACB
Non Dimmable
05.1577.40A
05.1577.14A
Dali Version
05.1577.40BDA
05.1577.14BDA
Mains Dimming
05.1577.40ANI
05.1577.14ANI
Casambi
05.1577.40ACB
05.1577.14ACB



WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

Beam Angle: 45°

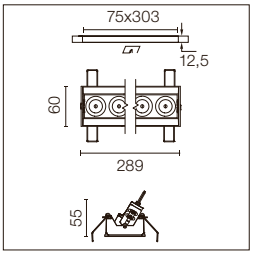
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

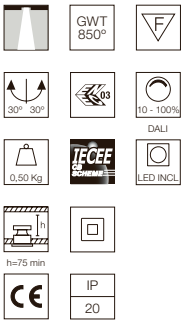
@White (40)

Light Shadow Adjustable No Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

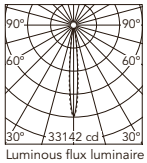
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida. (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8932.40A
03.8932.14A
Dali Version
03.8932.40BDA
03.8932.14BDA
Mains Dimming
03.8932.40ANI
03.8932.14ANI
Casambi
03.8932.40ACB
03.8932.14ACB
Non Dimmable
03.8933.40A
03.8933.14A
Dali Version
03.8933.40BDA
03.8933.14BDA
Mains Dimming
03.8933.40ANI
03.8933.14ANI
Casambi
03.8933.40ACB
03.8933.14ACB
Non Dimmable
05.1640.40A
05.1640.14A
Dali Version
05.1640.40BDA
05.1640.14BDA
Mains Dimming
05.1640.40ANI
05.1640.14ANI
Casambi
05.1640.40ACB
05.1640.14ACB
Non Dimmable
05.1641.40A
05.1641.14A
Dali Version
05.1641.40BDA
05.1641.14BDA
Mains Dimming
05.1641.40ANI
05.1641.14ANI
Casambi
05.1641.40ACB
05.1641.14ACB
Non Dimmable
05.1642.40A
05.1642.14A
Dali Version
05.1642.40BDA
05.1642.14BDA
Mains Dimming
05.1642.40ANI
05.1642.14ANI
Casambi
05.1642.40ACB
05.1642.14ACB

10° SPOT



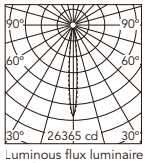
Luminous flux luminaire
1812 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

10° SPOT



Luminous flux luminaire
1441 lm (EXTREME CUT OFF)

@White (40) 750mA

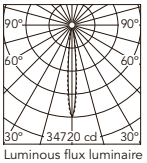
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	26365	0.17
2	6591	0.35
3	2929	0.52
4	1648	0.70
5	1055	0.87

Optic Spot 3000K

E I Non Dimmable
03.8936.40A
03.8936.14A
Dali Version
03.8936.40BDA
03.8936.14BDA
Mains Dimming
03.8936.40ANI
03.8936.14ANI
Casambi
03.8936.40ACB
03.8936.14ACB
Non Dimmable
03.8937.40A
03.8937.14A
Dali Version
03.8937.40BDA
03.8937.14BDA
Mains Dimming
03.8937.40ANI
03.8937.14ANI
Casambi
03.8937.40ACB
03.8937.14ACB
Non Dimmable
05.1645.40A
05.1645.14A
Dali Version
05.1645.40BDA
05.1645.14BDA
Mains Dimming
05.1645.40ANI
05.1645.14ANI
Casambi
05.1645.40ACB
05.1645.14ACB
Non Dimmable
05.1646.40A
05.1646.14A
Dali Version
05.1646.40BDA
05.1646.14BDA
Mains Dimming
05.1646.40ANI
05.1646.14ANI
Casambi
05.1646.40ACB
05.1646.14ACB
Non Dimmable
05.1647.40A
05.1647.14A
Dali Version
05.1647.40BDA
05.1647.14BDA
Mains Dimming
05.1647.40ANI
05.1647.14ANI
Casambi
05.1647.40ACB
05.1647.14ACB

10° SPOT



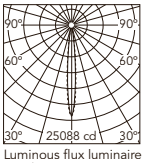
Luminous flux luminaire
1898 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

10° SPOT



Luminous flux luminaire
1371 lm (EXTREME CUT OFF)

@White (40) 750mA

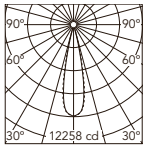
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	25088	0.17
2	6272	0.35
3	2788	0.52
4	1568	0.70
5	1004	0.87

Optic Medium 2700K

E I Non Dimmable
03.9440.40A
03.9440.14A
Dali Version
03.9440.40BDA
03.9440.14BDA
Mains Dimming
03.9440.40ANI
03.9440.14ANI
Casambi
03.9440.40ACB
03.9440.14ACB
Non Dimmable
03.9441.40A
03.9441.14A
Dali Version
03.9441.40BDA
03.9441.14BDA
Mains Dimming
03.9441.40ANI
03.9441.14ANI
Casambi
03.9441.40ACB
03.9441.14ACB
Non Dimmable
05.1650.40A
05.1650.14A
Dali Version
05.1650.40BDA
05.1650.14BDA
Mains Dimming
05.1650.40ANI
05.1650.14ANI
Casambi
05.1650.40ACB
05.1650.14ACB
Non Dimmable
05.1651.40A
05.1651.14A
Dali Version
05.1651.40BDA
05.1651.14BDA
Mains Dimming
05.1651.40ANI
05.1651.14ANI
Casambi
05.1651.40ACB
05.1651.14ACB
Non Dimmable
05.1652.40A
05.1652.14A
Dali Version
05.1652.40BDA
05.1652.14BDA
Mains Dimming
05.1652.40ANI
05.1652.14ANI
Casambi
05.1652.40ACB
05.1652.14ACB

22°
MEDIUM



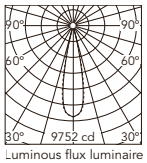
Luminous flux luminaire
1793 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12258	0.39
2	3065	0.78
3	1362	1.17
4	766	1.56
5	490	1.95

22°
MEDIUM



Luminous flux luminaire
1426 lm (EXTREME CUT OFF)

@White (40) 750mA

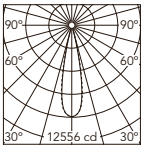
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9752	0.39
2	2438	0.78
3	1084	1.17
4	609	1.56
5	390	1.95

Optic Medium 3000K

E I Non Dimmable
03.9450.40A
03.9450.14A
Dali Version
03.9450.40BDA
03.9450.14BDA
Mains Dimming
03.9450.40ANI
03.9450.14ANI
Casambi
03.9450.40ACB
03.9450.14ACB
Non Dimmable
03.9451.40A
03.9451.14A
Dali Version
03.9451.40BDA
03.9451.14BDA
Mains Dimming
03.9451.40ANI
03.9451.14ANI
Casambi
03.9451.40ACB
03.9451.14ACB
Non Dimmable
05.1655.40A
05.1655.14A
Dali Version
05.1655.40BDA
05.1655.14BDA
Mains Dimming
05.1655.40ANI
05.1655.14ANI
Casambi
05.1655.40ACB
05.1655.14ACB
Non Dimmable
05.1656.40A
05.1656.14A
Dali Version
05.1656.40BDA
05.1656.14BDA
Mains Dimming
05.1656.40ANI
05.1656.14ANI
Casambi
05.1656.40ACB
05.1656.14ACB
Non Dimmable
05.1657.40A
05.1657.14A
Dali Version
05.1657.40BDA
05.1657.14BDA
Mains Dimming
05.1657.40ANI
05.1657.14ANI
Casambi
05.1657.40ACB
05.1657.14ACB

22°
MEDIUM



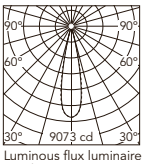
Luminous flux luminaire
1878 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

22°
MEDIUM



Luminous flux luminaire
1357 lm (EXTREME CUT OFF)

@White (40) 750mA

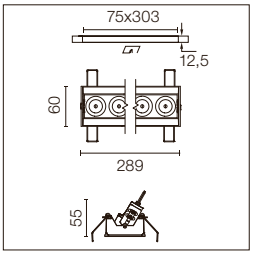
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	9073	0.39
2	2268	0.78
3	1008	1.17
4	567	1.56
5	363	1.95

Light Shadow Adjustable No Trim 8 Spots

Light Source: Power LED DC 900 mA 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 18,6W - 1800 lm - 2700K/CRI 90 / 18,6W - 1900 lm - 3000K/CRI 90







Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

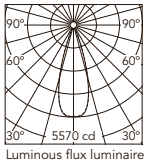
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida. (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9445.40A
03.9445.14A
Dali Version
03.9445.40BDA
03.9445.14BDA
Mains Dimming
03.9445.40ANI
03.9445.14ANI
Casambi
03.9445.40ACB
03.9445.14ACB
Non Dimmable
03.9446.40A
03.9446.14A
Dali Version
03.9446.40BDA
03.9446.14BDA
Mains Dimming
03.9446.40ANI
03.9446.14ANI
Casambi
03.9446.40ACB
03.9446.14ACB
Non Dimmable
05.1660.40A
05.1660.14A
Dali Version
05.1660.40BDA
05.1660.14BDA
Mains Dimming
05.1660.40ANI
05.1660.14ANI
Casambi
05.1660.40ACB
05.1660.14ACB
Non Dimmable
05.1661.40A
05.1661.14A
Dali Version
05.1661.40BDA
05.1661.14BDA
Mains Dimming
05.1661.40ANI
05.1661.14ANI
Casambi
05.1661.40ACB
05.1661.14ACB
Non Dimmable
05.1662.40A
05.1662.14A
Dali Version
05.1662.40BDA
05.1662.14BDA
Mains Dimming
05.1662.40ANI
05.1662.14ANI
Casambi
05.1662.40ACB
05.1662.14ACB

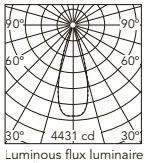
33° FLOOD



Luminous flux luminaire
1787 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

33° FLOOD



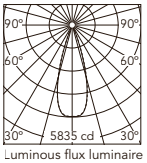
Luminous flux luminaire
1421 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4431	0.59
2	1108	1.18
3	492	1.78
4	277	2.37
5	177	2.96

Optic Flood 3000K

E I Non Dimmable
03.9455.40A
03.9455.14A
Dali Version
03.9455.40BDA
03.9455.14BDA
Mains Dimming
03.9455.40ANI
03.9455.14ANI
Casambi
03.9455.40ACB
03.9455.14ACB
Non Dimmable
03.9456.40A
03.9456.14A
Dali Version
03.9456.40BDA
03.9456.14BDA
Mains Dimming
03.9456.40ANI
03.9456.14ANI
Casambi
03.9456.40ACB
03.9456.14ACB
Non Dimmable
05.1665.40A
05.1665.14A
Dali Version
05.1665.40BDA
05.1665.14BDA
Mains Dimming
05.1665.40ANI
05.1665.14ANI
Casambi
05.1665.40ACB
05.1665.14ACB
Non Dimmable
05.1666.40A
05.1666.14A
Dali Version
05.1666.40BDA
05.1666.14BDA
Mains Dimming
05.1666.40ANI
05.1666.14ANI
Casambi
05.1666.40ACB
05.1666.14ACB
Non Dimmable
05.1667.40A
05.1667.14A
Dali Version
05.1667.40BDA
05.1667.14BDA
Mains Dimming
05.1667.40ANI
05.1667.14ANI
Casambi
05.1667.40ACB
05.1667.14ACB

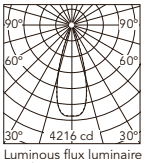
33° FLOOD



Luminous flux luminaire
1872 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5835	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

33° FLOOD



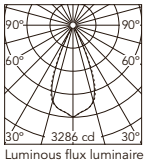
Luminous flux luminaire
1353 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4216	0.59
2	1054	1.18
3	468	1.78
4	264	2.37
5	169	2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7366.40A
03.7366.14A
Dali Version
03.7366.40BDA
03.7366.14BDA
Mains Dimming
03.7366.40ANI
03.7366.14ANI
Casambi
03.7366.40ACB
03.7366.14ACB
Non Dimmable
03.7367.40A
03.7367.14A
Dali Version
03.7367.40BDA
03.7367.14BDA
Mains Dimming
03.7367.40ANI
03.7367.14ANI
Casambi
03.7367.40ACB
03.7367.14ACB
Non Dimmable
05.1670.40A
05.1670.14A
Dali Version
05.1670.40BDA
05.1670.14BDA
Mains Dimming
05.1670.40ANI
05.1670.14ANI
Casambi
05.1670.40ACB
05.1670.14ACB
Non Dimmable
05.1671.40A
05.1671.14A
Dali Version
05.1671.40BDA
05.1671.14BDA
Mains Dimming
05.1671.40ANI
05.1671.14ANI
Casambi
05.1671.40ACB
05.1671.14ACB
Non Dimmable
05.1672.40A
05.1672.14A
Dali Version
05.1672.40BDA
05.1672.14BDA
Mains Dimming
05.1672.40ANI
05.1672.14ANI
Casambi
05.1672.40ACB
05.1672.14ACB

45° WIDE FLOOD

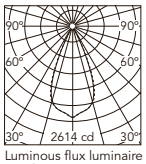


Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17

45° WIDE FLOOD



Luminous flux luminaire
1403 lm (EXTREME CUT OFF)

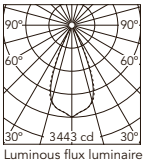
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2614	0.83
2	654	1.67
3	290	2.50
4	163	3.34
5	105	4.17

Optic Wide Flood 3000K

E I Non Dimmable
03.7370.40A
03.7370.14A
Dali Version
03.7370.40BDA
03.7370.14BDA
Mains Dimming
03.7370.40ANI
03.7370.14ANI
Casambi
03.7370.40ACB
03.7370.14ACB
Non Dimmable
03.7371.40A
03.7371.14A
Dali Version
03.7371.40BDA
03.7371.14BDA
Mains Dimming
03.7371.40ANI
03.7371.14ANI
Casambi
03.7371.40ACB
03.7371.14ACB
Non Dimmable
05.1675.40A
05.1675.14A
Dali Version
05.1675.40BDA
05.1675.14BDA
Mains Dimming
05.1675.40ANI
05.1675.14ANI
Casambi
05.1675.40ACB
05.1675.14ACB
Non Dimmable
05.1676.40A
05.1676.14A
Dali Version
05.1676.40BDA
05.1676.14BDA
Mains Dimming
05.1676.40ANI
05.1676.14ANI
Casambi
05.1676.40ACB
05.1676.14ACB
Non Dimmable
05.1677.40A
05.1677.14A
Dali Version
05.1677.40BDA
05.1677.14BDA
Mains Dimming
05.1677.40ANI
05.1677.14ANI
Casambi
05.1677.40ACB
05.1677.14ACB

45° WIDE FLOOD

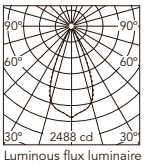


Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17

45° WIDE FLOOD



Luminous flux luminaire
1335 lm (EXTREME CUT OFF)

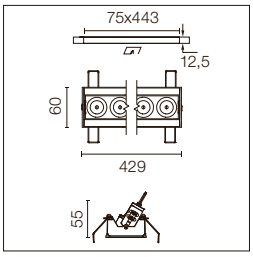
@White (40) 750mA

Beam Angle:	45°
h(m)	E(lx)	D(m)
1	2488	0.83
2	622	1.67
3	276	2.50
4	155	3.34
5	100	4.17

Light Shadow Adjustable No Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

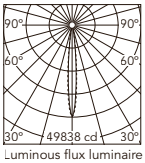
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I Non Dimmable
03.8940.40A
03.8940.14A
Dali & Push Version
03.8940.40BDA
03.8940.14BDA
Mains Dimming
03.8940.40ANI
03.8940.14ANI
Casambi
03.8940.40ACB
03.8940.14ACB
Non Dimmable
03.8941.40A
03.8941.14A
Dali & Push Version
03.8941.40BDA
03.8941.14BDA
Mains Dimming
03.8941.40ANI
03.8941.14ANI
Casambi
03.8941.40ACB
03.8941.14ACB
Non Dimmable
05.1740.40A
05.1740.14A
Dali & Push Version
05.1740.40BDA
05.1740.14BDA
Mains Dimming
05.1740.40ANI
05.1740.14ANI
Casambi
05.1740.40ACB
05.1740.14ACB
Non Dimmable
05.1741.40A
05.1741.14A
Dali & Push Version
05.1741.40BDA
05.1741.14BDA
Mains Dimming
05.1741.40ANI
05.1741.14ANI
Casambi
05.1741.40ACB
05.1741.14ACB
Non Dimmable
05.1742.40A
05.1742.14A
Dali & Push Version
05.1742.40BDA
05.1742.14BDA
Mains Dimming
05.1742.40ANI
05.1742.14ANI
Casambi
05.1742.40ACB
05.1742.14ACB

10° SPOT



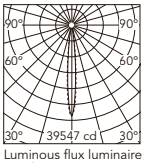
Luminous flux luminaire
2724 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

10° SPOT



Luminous flux luminaire
2162 lm (EXTREME CUT OFF)

@White (40) 750mA

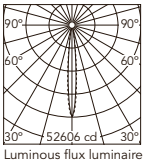
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	39547	0.17
2	9887	0.35
3	4394	0.52
4	2472	0.70
5	1582	0.87

Optic Spot 3000K

E I Non Dimmable
03.8944.40A
03.8944.14A
Dali & Push Version
03.8944.40BDA
03.8944.14BDA
Mains Dimming
03.8944.40ANI
03.8944.14ANI
Casambi
03.8944.40ACB
03.8944.14ACB
Non Dimmable
03.8945.40A
03.8945.14A
Dali & Push Version
03.8945.40BDA
03.8945.14BDA
Mains Dimming
03.8945.40ANI
03.8945.14ANI
Casambi
03.8945.40ACB
03.8945.14ACB
Non Dimmable
05.1745.40A
05.1745.14A
Dali & Push Version
05.1745.40BDA
05.1745.14BDA
Mains Dimming
05.1745.40ANI
05.1745.14ANI
Casambi
05.1745.40ACB
05.1745.14ACB
Non Dimmable
05.1746.40A
05.1746.14A
Dali & Push Version
05.1746.40BDA
05.1746.14BDA
Mains Dimming
05.1746.40ANI
05.1746.14ANI
Casambi
05.1746.40ACB
05.1746.14ACB
Non Dimmable
05.1747.40A
05.1747.14A
Dali & Push Version
05.1747.40BDA
05.1747.14BDA
Mains Dimming
05.1747.40ANI
05.1747.14ANI
Casambi
05.1747.40ACB
05.1747.14ACB

10° SPOT



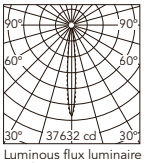
Luminous flux luminaire
2876 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

10° SPOT



Luminous flux luminaire
2057 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	37632	0.17
2	9408	0.35
3	4181	0.52
4	2352	0.70
5	1505	0.87

Optic Medium 2700K

E I Non Dimmable

03.9460.40A
03.9460.14A

Dali & Push Version

03.9460.40BDA
03.9460.14BDA

Mains Dimming

03.9460.40ANI
03.9460.14ANI

Casambi

03.9460.40ACB
03.9460.14ACB

Non Dimmable

03.9461.40A
03.9461.14A

Dali & Push Version

03.9461.40BDA
03.9461.14BDA

Mains Dimming

03.9461.40ANI
03.9461.14ANI

Casambi

03.9461.40ACB
03.9461.14ACB

Non Dimmable

05.1750.40A
05.1750.14A

Dali & Push Version

05.1750.40BDA
05.1750.14BDA

Mains Dimming

05.1750.40ANI
05.1750.14ANI

Casambi

05.1750.40ACB
05.1750.14ACB

Non Dimmable

05.1751.40A
05.1751.14A

Dali & Push Version

05.1751.40BDA
05.1751.14BDA

Mains Dimming

05.1751.40ANI
05.1751.14ANI

Casambi

05.1751.40ACB
05.1751.14ACB

Non Dimmable

05.1752.40A
05.1752.14A

Dali & Push Version

05.1752.40BDA
05.1752.14BDA

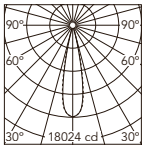
Mains Dimming

05.1752.40ANI
05.1752.14ANI

Casambi

05.1752.40ACB
05.1752.14ACB

22°
MEDIUM



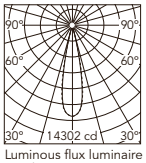
Luminous flux luminaire
2696 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

22°
MEDIUM



Luminous flux luminaire
2139 lm (EXTREME CUT OFF)

@White (40) 750mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	14302	0.39
2	3576	0.78
3	1589	1.17
4	894	1.56
5	572	1.95

Optic Medium 3000K

E I Non Dimmable

03.9470.40A
03.9470.14A

Dali & Push Version

03.9470.40BDA
03.9470.14BDA

Mains Dimming

03.9470.40ANI
03.9470.14ANI

Casambi

03.9470.40ACB
03.9470.14ACB

Non Dimmable

03.9471.40A
03.9471.14A

Dali & Push Version

03.9471.40BDA
03.9471.14BDA

Mains Dimming

03.9471.40ANI
03.9471.14ANI

Casambi

03.9471.40ACB
03.9471.14ACB

Non Dimmable

05.1755.40A
05.1755.14A

Dali & Push Version

05.1755.40BDA
05.1755.14BDA

Mains Dimming

05.1755.40ANI
05.1755.14ANI

Casambi

05.1755.40ACB
05.1755.14ACB

Non Dimmable

05.1756.40A
05.1756.14A

Dali & Push Version

05.1756.40BDA
05.1756.14BDA

Mains Dimming

05.1756.40ANI
05.1756.14ANI

Casambi

05.1756.40ACB
05.1756.14ACB

Non Dimmable

05.1757.40A
05.1757.14A

Dali & Push Version

05.1757.40BDA
05.1757.14BDA

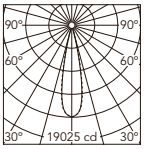
Mains Dimming

05.1757.40ANI
05.1757.14ANI

Casambi

05.1757.40ACB
05.1757.14ACB

22°
MEDIUM



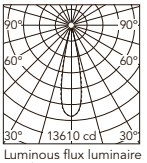
Luminous flux luminaire
2846 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	19025	0.39
2	4756	0.78
3	2114	1.17
4	1189	1.56
5	761	1.95

22°
MEDIUM



Luminous flux luminaire
2036 lm (EXTREME CUT OFF)

@White (40) 750mA

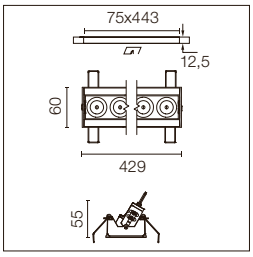
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	13610	0.39
2	3402	0.78
3	1512	1.17
4	851	1.56
5	544	1.95

Light Shadow Adjustable No Trim 12 Spots

Light Source: Power LED DC 900 mA 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90
Mains dimming: Power LED DC 750 mA 28W - 2710 lm - 2700K/CRI 90 / 28W - 2860 lm - 3000K/CRI 90







Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

E= External Finish
I= Internal Finish

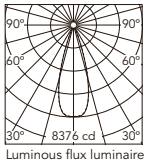
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.9465.40A
03.9465.14A
Dali & Push Version
03.9465.40BDA
03.9465.14BDA
Mains Dimming
03.9465.40ANI
03.9465.14ANI
Casambi
03.9465.40ACB
03.9465.14ACB
Non Dimmable
03.9466.40A
03.9466.14A
Dali & Push Version
03.9466.40BDA
03.9466.14BDA
Mains Dimming
03.9466.40ANI
03.9466.14ANI
Casambi
03.9466.40ACB
03.9466.14ACB
Non Dimmable
05.1760.40A
05.1760.14A
Dali & Push Version
05.1760.40BDA
05.1760.14BDA
Mains Dimming
05.1760.40ANI
05.1760.14ANI
Casambi
05.1760.40ACB
05.1760.14ACB
Non Dimmable
05.1761.40A
05.1761.14A
Dali & Push Version
05.1761.40BDA
05.1761.14BDA
Mains Dimming
05.1761.40ANI
05.1761.14ANI
Casambi
05.1761.40ACB
05.1761.14ACB
Non Dimmable
05.1762.40A
05.1762.14A
Dali & Push Version
05.1762.40BDA
05.1762.14BDA
Mains Dimming
05.1762.40ANI
05.1762.14ANI
Casambi
05.1762.40ACB
05.1762.14ACB

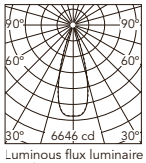
33° FLOOD



Luminous flux luminaire
2687 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8376 0.59
2	2094 1.18
3	931 1.78
4	523 2.37
5	335 2.96

33° FLOOD



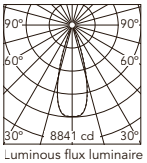
Luminous flux luminaire
2132 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	6646 0.59
2	1662 1.18
3	738 1.78
4	415 2.37
5	266 2.96

Optic Flood 3000K

E I Non Dimmable
03.9475.40A
03.9475.14A
Dali & Push Version
03.9475.40BDA
03.9475.14BDA
Mains Dimming
03.9475.40ANI
03.9475.14ANI
Casambi
03.9475.40ACB
03.9475.14ACB
Non Dimmable
03.9476.40A
03.9476.14A
Dali & Push Version
03.9476.40BDA
03.9476.14BDA
Mains Dimming
03.9476.40ANI
03.9476.14ANI
Casambi
03.9476.40ACB
03.9476.14ACB
Non Dimmable
05.1765.40A
05.1765.14A
Dali & Push Version
05.1765.40BDA
05.1765.14BDA
Mains Dimming
05.1765.40ANI
05.1765.14ANI
Casambi
05.1765.40ACB
05.1765.14ACB
Non Dimmable
05.1766.40A
05.1766.14A
Dali & Push Version
05.1766.40BDA
05.1766.14BDA
Mains Dimming
05.1766.40ANI
05.1766.14ANI
Casambi
05.1766.40ACB
05.1766.14ACB
Non Dimmable
05.1767.40A
05.1767.14A
Dali & Push Version
05.1767.40BDA
05.1767.14BDA
Mains Dimming
05.1767.40ANI
05.1767.14ANI
Casambi
05.1767.40ACB
05.1767.14ACB

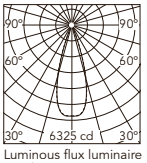
33° FLOOD



Luminous flux luminaire
2836 lm (EXTREME CUT OFF)
@White (40) 900mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	8841 0.59
2	2210 1.18
3	982 1.78
4	553 2.37
5	354 2.96

33° FLOOD



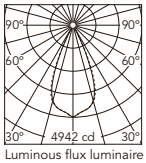
Luminous flux luminaire
2029 lm (EXTREME CUT OFF)
@White (40) 750mA

Beam Angle:	33°
h(m)	E(lx) D(m)
1	6325 0.59
2	1581 1.18
3	703 1.78
4	395 2.37
5	253 2.96

Optic Wide Flood 2700K

E I Non Dimmable
03.7374.40A
03.7374.14A
Dali & Push Version
03.7374.40BDA
03.7374.14BDA
Mains Dimming
03.7374.40ANI
03.7374.14ANI
Casambi
03.7374.40ACB
03.7374.14ACB
Non Dimmable
03.7375.40A
03.7375.14A
Dali & Push Version
03.7375.40BDA
03.7375.14BDA
Mains Dimming
03.7375.40ANI
03.7375.14ANI
Casambi
03.7375.40ACB
03.7375.14ACB
Non Dimmable
05.1770.40A
05.1770.14A
Dali & Push Version
05.1770.40BDA
05.1770.14BDA
Mains Dimming
05.1770.40ANI
05.1770.14ANI
Casambi
05.1770.40ACB
05.1770.14ACB
Non Dimmable
05.1771.40A
05.1771.14A
Dali & Push Version
05.1771.40BDA
05.1771.14BDA
Mains Dimming
05.1771.40ANI
05.1771.14ANI
Casambi
05.1771.40ACB
05.1771.14ACB
Non Dimmable
05.1772.40A
05.1772.14A
Dali & Push Version
05.1772.40BDA
05.1772.14BDA
Mains Dimming
05.1772.40ANI
05.1772.14ANI
Casambi
05.1772.40ACB
05.1772.14ACB



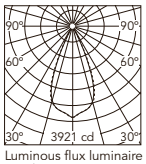


Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

@White (40) 900mA





Luminous flux luminaire
2104 lm (EXTREME CUT OFF)

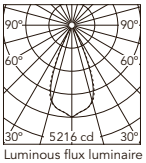
Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3921	0.83
2	980	1.67
3	436	2.50
4	245	3.34
5	157	4.17

@White (40) 750mA

Optic Wide Flood 3000K

E I Non Dimmable
03.7378.40A
03.7378.14A
Dali & Push Version
03.7378.40BDA
03.7378.14BDA
Mains Dimming
03.7378.40ANI
03.7378.14ANI
Casambi
03.7378.40ACB
03.7378.14ACB
Non Dimmable
03.7379.40A
03.7379.14A
Dali & Push Version
03.7379.40BDA
03.7379.14BDA
Mains Dimming
03.7379.40ANI
03.7379.14ANI
Casambi
03.7379.40ACB
03.7379.14ACB
Non Dimmable
05.1775.40A
05.1775.14A
Dali & Push Version
05.1775.40BDA
05.1775.14BDA
Mains Dimming
05.1775.40ANI
05.1775.14ANI
Casambi
05.1775.40ACB
05.1775.14ACB
Non Dimmable
05.1776.40A
05.1776.14A
Dali & Push Version
05.1776.40BDA
05.1776.14BDA
Mains Dimming
05.1776.40ANI
05.1776.14ANI
Casambi
05.1776.40ACB
05.1776.14ACB
Non Dimmable
05.1777.40A
05.1777.14A
Dali & Push Version
05.1777.40BDA
05.1777.14BDA
Mains Dimming
05.1777.40ANI
05.1777.14ANI
Casambi
05.1777.40ACB
05.1777.14ACB



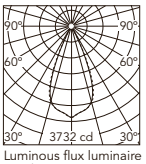


Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	5216	0.83
2	1304	1.67
3	580	2.50
4	326	3.34
5	209	4.17

@White (40) 900mA





Luminous flux luminaire
2002 lm (EXTREME CUT OFF)

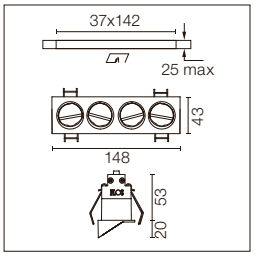
Beam Angle:		45°
h(m)	E(lx)	D(m)
1	3732	0.83
2	933	1.67
3	415	2.50
4	233	3.34
5	149	4.17

@White (40) 750mA

Light Shadow Wall-Washer Trim 4 Spots

Light Source: Power LED 1 DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
Pre-installation frame not required.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación no necesario.

2700K

- 03.9901.40A
- 03.9901.14A

Dali Version

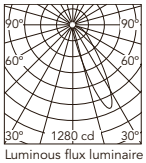
- 03.9901.40BDA
- 03.9901.14BDA

Mains Dimming

- 03.9901.40ANI
- 03.9901.14ANI

Casambi

- 03.9901.40ACB
- 03.9901.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

@Black (14)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K

- 03.9900.40A
- 03.9900.14A

Dali Version

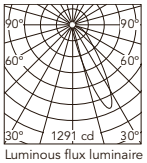
- 03.9900.40BDA
- 03.9900.14BDA

Mains Dimming

- 03.9900.40ANI
- 03.9900.14ANI

Casambi

- 03.9900.40ACB
- 03.9900.14ACB



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

@Black (14)

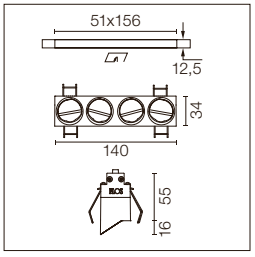
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	986	0.50
2	247	0.99
3	110	1.49
4	62	1.99
5	39	2.48

Light Shadow Wall-Washer No Trim 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V).
It requires a pre-installation frame, to be ordered separately (08.0511.00).

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V).
Marco de pre-instalación necesario, ha de pedirse por separado (08.0511.00).

2700K

- 03.9903.40A
- 03.9903.14A

Dali Version

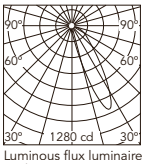
- 03.9903.40BDA
- 03.9903.14BDA

Mains Dimming

- 03.9903.40ANI
- 03.9903.14ANI

Casambi

- 03.9903.40ACB
- 03.9903.14ACB



Luminous flux luminaire
690 lm (EXTREME CUT OFF)

@Black (14)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	978	0.50
2	244	0.99
3	109	1.49
4	61	1.99
5	39	2.48

3000K

- 03.9902.40A
- 03.9902.14A

Dali Version

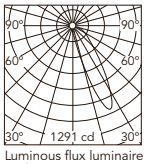
- 03.9902.40BDA
- 03.9902.14BDA

Mains Dimming

- 03.9902.40ANI
- 03.9902.14ANI

Casambi

- 03.9902.40ACB
- 03.9902.14ACB



Luminous flux luminaire
696 lm (EXTREME CUT OFF)

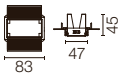
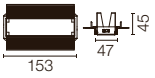
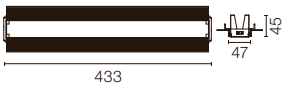
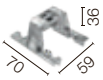
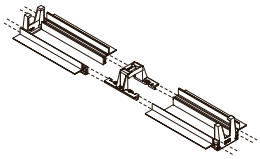
@Black (14)

Beam Angle: 22°

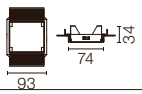
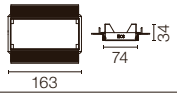
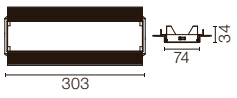
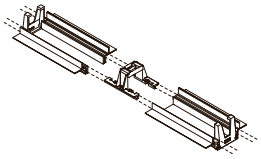
h(m)	E(lx)	D(m)
1	986	0.50
2	247	0.99
3	110	1.49
4	62	1.99
5	39	2.48

Accessories / Accesorios

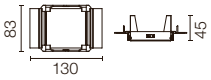
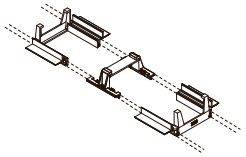
Light Shadow Fixed & Wall-Washer No Trim

Pre-installation frame.	Marco de pre-instalación.			2L 08.0510.00
Pre-installation frame.	Marco de pre-instalación.			4L 08.0511.00
Pre-installation frame.	Marco de pre-instalación.			8L 08.0512.00
Pre-installation frame.	Marco de pre-instalación.			12L 08.0513.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos No Trim para la instalación previa.			08.0052.90

Light Shadow Adjustable No Trim

Pre-installation frame.	Marco de pre-instalación.			2L 08.0515.00
Pre-installation frame.	Marco de pre-instalación.			4L 08.0516.00
Pre-installation frame.	Marco de pre-instalación.			8L 08.0517.00
Pre-installation frame.	Marco de pre-instalación.			12L 08.0518.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation linear frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos lineales No Trim para la instalación previa.			08.0059.90

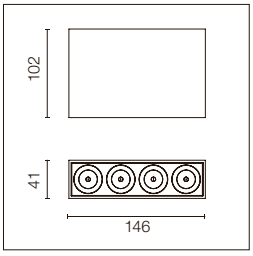
Light Shadow Fixed No Trim Square

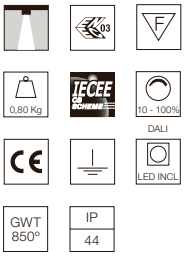
Pre-installation frame. Each accessory allows connection between two No Trim pre-installation square frames.	Marco de pre-instalación. Cada accesorio permite conectar dos marcos cuadrados No Trim para la instalación previa.			4L 08.0269.00
Accessory for mounting of No Trim continuous line. Each accessory allows connection between two No Trim pre-installation square frames.	Accesorio para montaje de la línea continua No Trim. Cada accesorio permite conectar dos marcos cuadrados No Trim para la instalación previa.			4L 08.0270.00

Light Shadow Surface 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

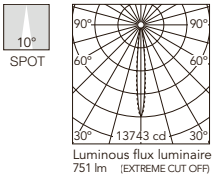
E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Spot 2700K

B E I

Non Dimmable
03.8956.40A
03.8956.14A
03.8957.40A
03.8957.14A
05.2102.40A
05.2103.40A

Dali Version
03.8956.40ADA
03.8956.14ADA
03.8957.40ADA
03.8957.14ADA
05.2102.40ADA
05.2103.40ADA



Luminous flux luminaire
751 lm (EXTREME CUT OFF)

Beam Angle:	10°
h(m) E(lx)	D(m)
1 13743	0.17
2 3436	0.35
3 1527	0.52
4 859	0.70
5 550	0.87

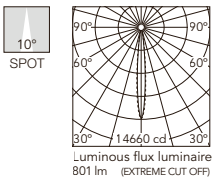
@White (40)

Optic Spot 3000K

B E I

Non Dimmable
03.8960.40A
03.8960.14A
03.8961.40A
03.8961.14A
05.2107.40A
05.2108.40A

Dali Version
03.8960.40ADA
03.8960.14ADA
03.8961.40ADA
03.8961.14ADA
05.2107.40ADA
05.2108.40ADA



Luminous flux luminaire
801 lm (EXTREME CUT OFF)

Beam Angle:	10°
h(m) E(lx)	D(m)
1 14660	0.17
2 3665	0.35
3 1629	0.52
4 916	0.70
5 586	0.87

@White (40)

Non Dimmable
03.8965.14A
03.8965.40A
03.8964.14A
03.8964.40A
05.2142.14A
05.2143.14A

Dali Version
03.8965.14ADA
03.8965.40ADA
03.8964.14ADA
03.8964.40ADA
05.2142.14ADA
05.2143.14ADA

Non Dimmable
03.8969.14A
03.8969.40A
03.8968.14A
03.8968.40A
05.2147.14A
05.2148.14A

Dali Version
03.8969.14ADA
03.8969.40ADA
03.8968.14ADA
03.8968.40ADA
05.2147.14ADA
05.2148.14ADA

Non Dimmable
05.2300.14A
05.2301.14A

Dali Version
05.2300.14ADA
05.2301.14ADA

Non Dimmable
05.2305.14A
05.2306.14A

Dali Version
05.2305.14ADA
05.2306.14ADA

Non Dimmable
05.2340.14A
05.2341.14A

Dali Version
05.2340.14ADA
05.2341.14ADA

Non Dimmable
05.2345.14A
05.2346.14A

Dali Version
05.2345.14ADA
05.2346.14ADA

Non Dimmable
05.2200.14A
05.2201.14A

Dali Version
05.2200.14ADA
05.2201.14ADA

Non Dimmable
05.2205.14A
05.2206.14A

Dali Version
05.2205.14ADA
05.2206.14ADA

Non Dimmable
05.2240.14A
05.2241.14A

Dali Version
05.2240.14ADA
05.2241.14ADA

Non Dimmable
05.2245.14A
05.2246.14A

Dali Version
05.2245.14ADA
05.2246.14ADA

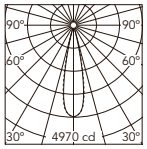
Optic Medium 2700K

B E I

Non Dimmable
03.9720.40A
03.9720.14A
03.9721.40A
03.9721.14A
05.2112.40A
05.2113.40A

Dali Version
03.9720.40ADA
03.9720.14ADA
03.9721.40ADA
03.9721.14ADA
05.2112.40ADA
05.2113.40ADA

22°
MEDIUM



Luminous flux luminaire
744 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Non Dimmable
03.9821.14A
03.9821.40A
03.9820.14A
03.9820.40A
05.2152.14A
05.2153.14A

Dali Version
03.9821.14ADA
03.9821.40ADA
03.9820.14ADA
03.9820.40ADA
05.2152.14ADA
05.2153.14ADA

Non Dimmable
05.2310.14A
05.2311.14A

Dali Version
05.2310.14ADA
05.2311.14ADA

Non Dimmable
05.2350.14A
05.2351.14A

Dali Version
05.2350.14ADA
05.2351.14ADA

Non Dimmable
05.2210.14A
05.2211.14A

Dali Version
05.2210.14ADA
05.2211.14ADA

Non Dimmable
05.2250.14A
05.2251.14A

Dali Version
05.2250.14ADA
05.2251.14ADA

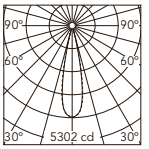
Optic Medium 3000K

B E I

Non Dimmable
03.9730.40A
03.9730.14A
03.9731.40A
03.9731.14A
05.2117.40A
05.2118.40A

Dali Version
03.9730.40ADA
03.9730.14ADA
03.9731.40ADA
03.9731.14ADA
05.2117.40ADA
05.2118.40ADA

22°
MEDIUM



Luminous flux luminaire
793 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:	22°
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Non Dimmable
03.9831.14A
03.9831.40A
03.9830.14A
03.9830.40A
05.2157.14A
05.2158.14A

Dali Version
03.9831.14ADA
03.9831.40ADA
03.9830.14ADA
03.9830.40ADA
05.2157.14ADA
05.2158.14ADA

Non Dimmable
05.2315.14A
05.2316.14A

Dali Version
05.2315.14ADA
05.2316.14ADA

Non Dimmable
05.2355.14A
05.2356.14A

Dali Version
05.2355.14ADA
05.2356.14ADA

Non Dimmable
05.2215.14A
05.2216.14A

Dali Version
05.2215.14ADA
05.2216.14ADA

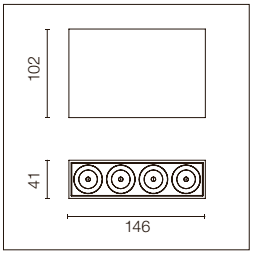
Non Dimmable
05.2255.14A
05.2256.14A

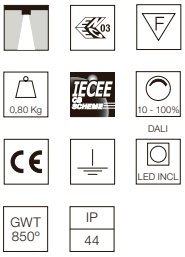
Dali Version
05.2255.14ADA
05.2256.14ADA

Light Shadow Surface 4 Spots

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

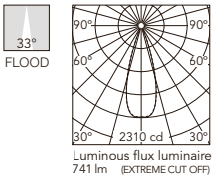
E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Flood 2700K

B E I

Non Dimmable
03.9725.40A
03.9725.14A
03.9726.40A
03.9726.14A
05.2122.40A
05.2123.40A

Dali Version
03.9725.40ADA
03.9725.14ADA
03.9726.40ADA
03.9726.14ADA
05.2122.40ADA
05.2123.40ADA



Luminous flux luminaire
741 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Non Dimmable
03.9826.14A
03.9826.40A
03.9825.14A
03.9825.40A
05.2162.14A
05.2163.14A

Dali Version
03.9826.14ADA
03.9826.40ADA
03.9825.14ADA
03.9825.40ADA
05.2162.14ADA
05.2163.14ADA

Non Dimmable
05.2320.14A
05.2321.14A

Dali Version
05.2320.14ADA
05.2321.14ADA

Non Dimmable
05.2360.14A
05.2361.14A

Dali Version
05.2360.14ADA
05.2361.14ADA

Non Dimmable
05.2220.14A
05.2221.14A

Dali Version
05.2220.14ADA
05.2221.14ADA

Non Dimmable
05.2260.14A
05.2261.14A

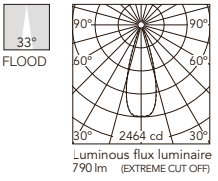
Dali Version
05.2260.14ADA
05.2261.14ADA

Optic Flood 3000K

B E I

Non Dimmable
03.9735.40A
03.9735.14A
03.9736.40A
03.9736.14A
05.2127.40A
05.2128.40A

Dali Version
03.9735.40ADA
03.9735.14ADA
03.9736.40ADA
03.9736.14ADA
05.2127.40ADA
05.2128.40ADA



Luminous flux luminaire
790 lm (EXTREME CUT OFF)

@White (40)

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Non Dimmable
03.9836.14A
03.9836.40A
03.9835.14A
03.9835.40A
05.2167.14A
05.2168.14A

Dali Version
03.9836.14ADA
03.9836.40ADA
03.9835.14ADA
03.9835.40ADA
05.2167.14ADA
05.2168.14ADA

Non Dimmable
05.2325.14A
05.2326.14A

Dali Version
05.2325.14ADA
05.2326.14ADA

Non Dimmable
05.2365.14A
05.2366.14A

Dali Version
05.2365.14ADA
05.2366.14ADA

Non Dimmable
05.2225.14A
05.2226.14A

Dali Version
05.2225.14ADA
05.2226.14ADA

Non Dimmable
05.2265.14A
05.2266.14A

Dali Version
05.2265.14ADA
05.2266.14ADA

Optic Wide Flood 2700K

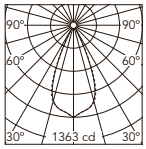
B E I

Non Dimmable
03.9760.40A
03.9760.14A
03.9761.40A
03.9761.14A
05.2132.40A
05.2133.40A

Dali Version
03.9760.40ADA
03.9760.14ADA
03.9761.40ADA
03.9761.14ADA
05.2132.40ADA
05.2133.40ADA



WIDE FLOOD



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Non Dimmable
03.9861.14A
03.9861.40A
03.9860.14A
03.9860.40A
05.2172.14A
05.2173.14A

Dali Version
03.9861.14ADA
03.9861.40ADA
03.9860.14ADA
03.9860.40ADA
05.2172.14ADA
05.2173.14ADA

Non Dimmable
05.2330.14A
05.2331.14A

Dali Version
05.2330.14ADA
05.2331.14ADA

Non Dimmable
05.2370.14A
05.2371.14A

Dali Version
05.2370.14ADA
05.2371.14ADA

Non Dimmable
05.2230.14A
05.2231.14A

Dali Version
05.2230.14ADA
05.2231.14ADA

Non Dimmable
05.2270.14A
05.2271.14A

Dali Version
05.2270.14ADA
05.2271.14ADA

Optic Wide Flood 3000K

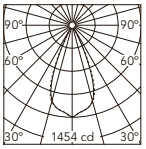
B E I

Non Dimmable
03.9764.40A
03.9764.14A
03.9765.40A
03.9765.14A
05.2137.40A
05.2138.40A

Dali Version
03.9764.40ADA
03.9764.14ADA
03.9765.40ADA
03.9765.14ADA
05.2137.40ADA
05.2138.40ADA



WIDE FLOOD



Luminous flux luminaire
780 lm (EXTREME CUT OFF)

@White (40)

Beam Angle:		45°
h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Non Dimmable
03.9865.14A
03.9865.40A
03.9864.14A
03.9864.40A
05.2177.14A
05.2178.14A

Dali Version
03.9865.14ADA
03.9865.40ADA
03.9864.14ADA
03.9864.40ADA
05.2177.14ADA
05.2178.14ADA

Non Dimmable
05.2335.14A
05.2336.14A

Dali Version
05.2335.14ADA
05.2336.14ADA

Non Dimmable
05.2375.14A
05.2376.14A

Dali Version
05.2375.14ADA
05.2376.14ADA

Non Dimmable
05.2235.14A
05.2236.14A

Dali Version
05.2235.14ADA
05.2236.14ADA

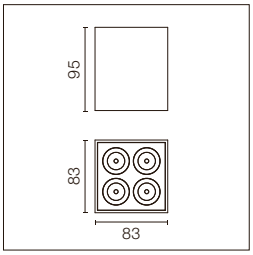
Non Dimmable
05.2275.14A
05.2276.14A

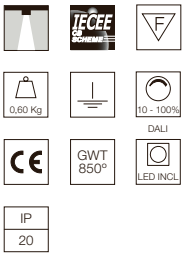
Dali Version
05.2275.14ADA
05.2276.14ADA

Light Shadow Surface 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90
Mains dimming: Power LED DC 700 mA 9W - 825 lm - 2700K/CRI 90 / 9W - 840 lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Spot 2700K

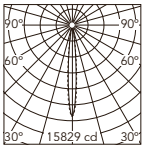
B E I

Non Dimmable
05.0700.40
05.0700.14
05.0701.40
05.0701.14
05.0702.40
05.0703.40

Dali Version
05.0700.40.DA
05.0700.14.DA
05.0701.40.DA
05.0701.14.DA
05.0702.40.DA
05.0703.40.DA

Mains Dimming
05.0700.40.NI
05.0700.14.NI
05.0701.40.NI
05.0701.14.NI
05.0702.40.NI
05.0703.40.NI

10° SPOT

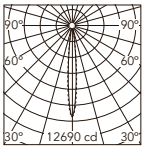


Beam Angle:		10°
h(m)	E(lx)	D(m)
1	15829	0.17
2	3957	0.35
3	1759	0.52
4	989	0.70
5	633	0.87

Luminous flux luminaire
865 lm (EXTREME CUT OFF)

@White (40) 900mA

10° SPOT



Beam Angle:		10°
h(m)	E(lx)	D(m)
1	12690	0.17
2	3173	0.35
3	1410	0.52
4	793	0.70
5	508	0.87

Luminous flux luminaire
694 lm (EXTREME CUT OFF)

@White (40) 700mA

Optic Spot 3000K

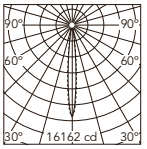
B E I

Non Dimmable
05.0705.40
05.0705.14
05.0706.40
05.0706.14
05.0707.40
05.0708.40

Dali Version
05.0705.40.DA
05.0705.14.DA
05.0706.40.DA
05.0706.14.DA
05.0707.40.DA
05.0708.40.DA

Mains Dimming
05.0705.40.NI
05.0705.14.NI
05.0706.40.NI
05.0706.14.NI
05.0707.40.NI
05.0708.40.NI

10° SPOT

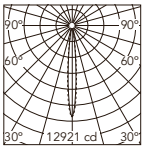


Beam Angle:		10°
h(m)	E(lx)	D(m)
1	16162	0.17
2	4040	0.35
3	1796	0.52
4	1010	0.70
5	647	0.87

Luminous flux luminaire
883 lm (EXTREME CUT OFF)

@White (40) 900mA

10° SPOT



Beam Angle:		10°
h(m)	E(lx)	D(m)
1	12921	0.17
2	3230	0.35
3	1436	0.52
4	808	0.70
5	517	0.87

Luminous flux luminaire
706 lm (EXTREME CUT OFF)

@White (40) 700mA

Non Dimmable
05.0741.14
05.0741.40
05.0740.14
05.0740.40
05.0742.14
05.0743.14

Dali Version
05.0741.14.DA
05.0741.40.DA
05.0740.14.DA
05.0740.40.DA
05.0742.14.DA
05.0743.14.DA

Mains Dimming
05.0741.14.NI
05.0741.40.NI
05.0740.14.NI
05.0740.40.NI
05.0742.14.NI
05.0743.14.NI

Non Dimmable
05.0746.14
05.0746.40
05.0745.14
05.0745.40
05.0747.14
05.0748.14

Dali Version
05.0746.14.DA
05.0746.40.DA
05.0745.14.DA
05.0745.40.DA
05.0747.14.DA
05.0748.14.DA

Mains Dimming
05.0746.14.NI
05.0746.40.NI
05.0745.14.NI
05.0745.40.NI
05.0747.14.NI
05.0748.14.NI

Non Dimmable
05.0900.14
05.0901.14

Dali Version
05.0900.14.DA
05.0901.14.DA

Mains Dimming
05.0900.14.NI
05.0901.14.NI

B E I

Non Dimmable
05.0800.14
05.0801.14

Dali Version
05.0800.14.DA
05.0801.14.DA

Mains Dimming
05.0800.14.NI
05.0801.14.NI

Non Dimmable
05.0905.14
05.0906.14

Dali Version
05.0905.14.DA
05.0906.14.DA

Mains Dimming
05.0905.14.NI
05.0906.14.NI

B E I

Non Dimmable
05.0805.14
05.0806.14

Dali Version
05.0805.14.DA
05.0806.14.DA

Mains Dimming
05.0805.14.NI
05.0806.14.NI

Non Dimmable
05.0940.14
05.0941.14

Dali Version
05.0940.14.DA
05.0941.14.DA

Mains Dimming
05.0940.14.NI
05.0941.14.NI

Non Dimmable
05.0840.14
05.0841.14

Dali Version
05.0840.14.DA
05.0841.14.DA

Mains Dimming
05.0840.14.NI
05.0841.14.NI

Non Dimmable
05.0945.14
05.0946.14

Dali Version
05.0945.14.DA
05.0946.14.DA

Mains Dimming
05.0945.14.NI
05.0946.14.NI

Non Dimmable
05.0845.14
05.0846.14

Dali Version
05.0845.14.DA
05.0846.14.DA

Mains Dimming
05.0845.14.NI
05.0846.14.NI

LIGHT SHADOW

Optic Medium 2700K

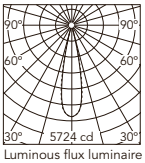
B E I

Non Dimmable
05.0710.40
05.0710.14
05.0711.40
05.0711.14
05.0712.40
05.0713.40

Dali Version
05.0710.40.DA
05.0710.14.DA
05.0711.40.DA
05.0711.14.DA
05.0712.40.DA
05.0713.40.DA

Mains Dimming
05.0710.40.NI
05.0710.14.NI
05.0711.40.NI
05.0711.14.NI
05.0712.40.NI
05.0713.40.NI

22°
MEDIUM



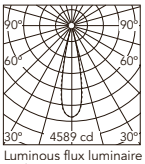
Luminous flux luminaire
856 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5724	0.39
2	1431	0.78
3	636	1.17
4	358	1.56
5	229	1.95

22°
MEDIUM



Luminous flux luminaire
686 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4589	0.39
2	1147	0.78
3	510	1.17
4	287	1.56
5	184	1.95

Non Dimmable
05.0751.14
05.0751.40
05.0750.14
05.0750.40
05.0752.14
05.0753.14

Dali Version
05.0751.14.DA
05.0751.40.DA
05.0750.14.DA
05.0750.40.DA
05.0752.14.DA
05.0753.14.DA

Mains Dimming
05.0751.14.NI
05.0751.40.NI
05.0750.14.NI
05.0750.40.NI
05.0752.14.NI
05.0753.14.NI

Non Dimmable
05.0910.14
05.0911.14

Dali Version
05.0910.14.DA
05.0911.14.DA

Mains Dimming
05.0910.14.NI
05.0911.14.NI

Non Dimmable
05.0950.14
05.0951.14

Dali Version
05.0950.14.DA
05.0951.14.DA

Mains Dimming
05.0950.14.NI
05.0951.14.NI

Non Dimmable
05.0810.14
05.0811.14

Dali Version
05.0810.14.DA
05.0811.14.DA

Mains Dimming
05.0810.14.NI
05.0811.14.NI

Non Dimmable
05.0850.14
05.0851.14

Dali Version
05.0850.14.DA
05.0851.14.DA

Mains Dimming
05.0850.14.NI
05.0851.14.NI

Optic Medium 3000K

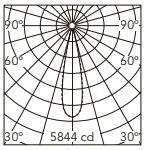
B E I

Non Dimmable
05.0715.40
05.0715.14
05.0716.40
05.0716.14
05.0717.40
05.0718.40

Dali Version
05.0715.40.DA
05.0715.14.DA
05.0716.40.DA
05.0716.14.DA
05.0717.40.DA
05.0718.40.DA

Mains Dimming
05.0715.40.NI
05.0715.14.NI
05.0716.40.NI
05.0716.14.NI
05.0717.40.NI
05.0718.40.NI

22°
MEDIUM



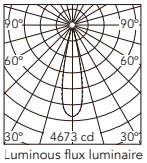
Luminous flux luminaire
874 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5844	0.39
2	1461	0.78
3	650	1.17
4	365	1.56
5	233	1.95

22°
MEDIUM



Luminous flux luminaire
699 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4673	0.39
2	1168	0.78
3	519	1.17
4	292	1.56
5	187	1.95

Non Dimmable
05.0756.14
05.0756.40
05.0755.14
05.0755.40
05.0757.14
05.0758.14

Dali Version
05.0756.14.DA
05.0756.40.DA
05.0755.14.DA
05.0755.40.DA
05.0757.14.DA
05.0758.14.DA

Mains Dimming
05.0756.14.NI
05.0756.40.NI
05.0755.14.NI
05.0755.40.NI
05.0757.14.NI
05.0758.14.NI

Non Dimmable
05.0915.14
05.0916.14

Dali Version
05.0915.14.DA
05.0916.14.DA

Mains Dimming
05.0915.14.NI
05.0916.14.NI

Non Dimmable
05.0955.14
05.0956.14

Dali Version
05.0955.14.DA
05.0956.14.DA

Mains Dimming
05.0955.14.NI
05.0956.14.NI

Non Dimmable
05.0815.14
05.0816.14

Dali Version
05.0815.14.DA
05.0816.14.DA

Mains Dimming
05.0815.14.NI
05.0816.14.NI

Non Dimmable
05.0855.14
05.0856.14

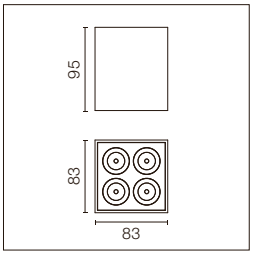
Dali Version
05.0855.14.DA
05.0856.14.DA

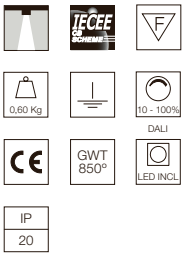
Mains Dimming
05.0855.14.NI
05.0856.14.NI

Light Shadow Surface 4 Spots Square

Light Source: Power LED DC 900 mA 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90
Mains dimming: Power LED DC 700 mA 9W - 825 lm - 2700K/CRI 90 / 9W - 840 lm - 3000K/CRI 90







Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

E= External Finish
I= Internal Finish
B= Box Finish

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Flood 2700K

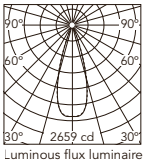
B E I

Non Dimmable
05.0720.40
05.0720.14
05.0721.40
05.0721.14
05.0722.40
05.0723.40

Dali Version
05.0720.40.DA
05.0720.14.DA
05.0721.40.DA
05.0721.14.DA
05.0722.40.DA
05.0723.40.DA

Mains Dimming
05.0720.40.NI
05.0720.14.NI
05.0721.40.NI
05.0721.14.NI
05.0722.40.NI
05.0723.40.NI

33° FLOOD



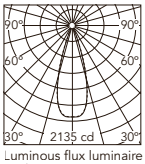
Luminous flux luminaire
853 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2659	0.59
2	665	1.18
3	295	1.78
4	166	2.37
5	107	2.96

33° FLOOD



Luminous flux luminaire
684 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2133	0.59
2	533	1.18
3	237	1.78
4	133	2.37
5	85	2.96

Optic Flood 3000K

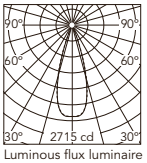
B E I

Non Dimmable
05.0725.40
05.0725.14
05.0726.40
05.0726.14
05.0727.40
05.0728.40

Dali Version
05.0725.40.DA
05.0725.14.DA
05.0726.40.DA
05.0726.14.DA
05.0727.40.DA
05.0728.40.DA

Mains Dimming
05.0725.40.NI
05.0725.14.NI
05.0726.40.NI
05.0726.14.NI
05.0727.40.NI
05.0728.40.NI

33° FLOOD



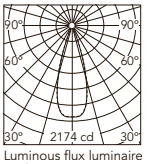
Luminous flux luminaire
871 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2715	0.59
2	679	1.18
3	301	1.78
4	170	2.37
5	109	2.96

33° FLOOD



Luminous flux luminaire
697 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2172	0.59
2	543	1.18
3	241	1.78
4	136	2.37
5	87	2.96

Non Dimmable
05.0761.14
05.0761.40
05.0760.14
05.0760.40
05.0762.14
05.0763.14

Dali Version
05.0761.14.DA
05.0761.40.DA
05.0760.14.DA
05.0760.40.DA
05.0762.14.DA
05.0763.14.DA

Mains Dimming
05.0761.14.NI
05.0761.40.NI
05.0760.14.NI
05.0760.40.NI
05.0762.14.NI
05.0763.14.NI

Non Dimmable
05.0766.14
05.0766.40
05.0765.14
05.0765.40
05.0767.14
05.0768.14

Dali Version
05.0766.14.DA
05.0766.40.DA
05.0765.14.DA
05.0765.40.DA
05.0767.14.DA
05.0768.14.DA

Mains Dimming
05.0766.14.NI
05.0766.40.NI
05.0765.14.NI
05.0765.40.NI
05.0767.14.NI
05.0768.14.NI

Non Dimmable
05.0920.14
05.0921.14

Dali Version
05.0920.14.DA
05.0921.14.DA

Mains Dimming
05.0920.14.NI
05.0921.14.NI

B E I

Non Dimmable
05.0820.14
05.0821.14

Dali Version
05.0820.14.DA
05.0821.14.DA

Mains Dimming
05.0820.14.NI
05.0821.14.NI

Non Dimmable
05.0925.14
05.0926.14

Dali Version
05.0925.14.DA
05.0926.14.DA

Mains Dimming
05.0925.14.NI
05.0926.14.NI

B E I

Non Dimmable
05.0825.14
05.0826.14

Dali Version
05.0825.14.DA
05.0826.14.DA

Mains Dimming
05.0825.14.NI
05.0826.14.NI

Non Dimmable
05.0960.14
05.0961.14

Dali Version
05.0960.14.DA
05.0961.14.DA

Mains Dimming
05.0960.14.NI
05.0961.14.NI

Non Dimmable
05.0860.14
05.0861.14

Dali Version
05.0860.14.DA
05.0861.14.DA

Mains Dimming
05.0860.14.NI
05.0861.14.NI

Non Dimmable
05.0965.14
05.0966.14

Dali Version
05.0965.14.DA
05.0966.14.DA

Mains Dimming
05.0965.14.NI
05.0966.14.NI

Non Dimmable
05.0865.14
05.0866.14

Dali Version
05.0865.14.DA
05.0866.14.DA

Mains Dimming
05.0865.14.NI
05.0866.14.NI

LIGHT SHADOW

Optic Wide Flood
2700K

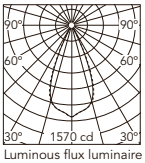
B E I

Non Dimmable
05.0730.40
05.0730.14
05.0731.40
05.0731.14
05.0732.40
05.0733.40

Dali Version
05.0730.40.DA
05.0730.14.DA
05.0731.40.DA
05.0731.14.DA
05.0732.40.DA
05.0733.40.DA

Mains Dimming
05.0730.40.NI
05.0730.14.NI
05.0731.40.NI
05.0731.14.NI
05.0732.40.NI
05.0733.40.NI

45°
WIDE FLOOD



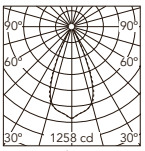
Luminous flux luminaire
842 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1570	0.83
2	392	1.67
3	174	2.50
4	98	3.34
5	63	4.17

45°
WIDE FLOOD



Luminous flux luminaire
675 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1258	0.83
2	315	1.67
3	140	2.50
4	79	3.34
5	50	4.17

Non Dimmable
05.0771.14
05.0771.40
05.0770.14
05.0770.40
05.0772.14
05.0773.14

Dali Version
05.0771.14.DA
05.0771.40.DA
05.0770.14.DA
05.0770.40.DA
05.0772.14.DA
05.0773.14.DA

Mains Dimming
05.0771.14.NI
05.0771.40.NI
05.0770.14.NI
05.0770.40.NI
05.0772.14.NI
05.0773.14.NI

Non Dimmable
05.0930.14
05.0931.14

Dali Version
05.0930.14.DA
05.0931.14.DA

Mains Dimming
05.0930.14.NI
05.0931.14.NI

Non Dimmable
05.0970.14
05.0971.14

Dali Version
05.0970.14.DA
05.0971.14.DA

Mains Dimming
05.0970.14.NI
05.0971.14.NI

Non Dimmable
05.0830.14
05.0831.14

Dali Version
05.0830.14.DA
05.0831.14.DA

Mains Dimming
05.0830.14.NI
05.0831.14.NI

Non Dimmable
05.0870.14
05.0871.14

Dali Version
05.0870.14.DA
05.0871.14.DA

Mains Dimming
05.0870.14.NI
05.0871.14.NI

Optic Wide Flood
3000K

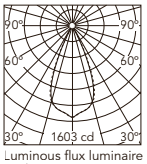
B E I

Non Dimmable
05.0735.40
05.0735.14
05.0736.40
05.0736.14
05.0737.40
05.0738.40

Dali Version
05.0735.40.DA
05.0735.14.DA
05.0736.40.DA
05.0736.14.DA
05.0737.40.DA
05.0738.40.DA

Mains Dimming
05.0735.40.NI
05.0735.14.NI
05.0736.40.NI
05.0736.14.NI
05.0737.40.NI
05.0738.40.NI

45°
WIDE FLOOD



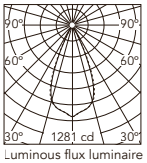
Luminous flux luminaire
860 lm (EXTREME CUT OFF)

@White (40) 900mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1603	0.83
2	401	1.67
3	178	2.50
4	100	3.34
5	64	4.17

45°
WIDE FLOOD



Luminous flux luminaire
688 lm (EXTREME CUT OFF)

@White (40) 700mA

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1281	0.83
2	320	1.67
3	142	2.50
4	80	3.34
5	51	4.17

Non Dimmable
05.0776.14
05.0776.40
05.0775.14
05.0775.40
05.0777.14
05.0778.14

Dali Version
05.0776.14.DA
05.0776.40.DA
05.0775.14.DA
05.0775.40.DA
05.0777.14.DA
05.0778.14.DA

Mains Dimming
05.0776.14.NI
05.0776.40.NI
05.0775.14.NI
05.0775.40.NI
05.0777.14.NI
05.0778.14.NI

Non Dimmable
05.0935.14
05.0936.14

Dali Version
05.0935.14.DA
05.0936.14.DA

Mains Dimming
05.0935.14.NI
05.0936.14.NI

Non Dimmable
05.0975.14
05.0976.14

Dali Version
05.0975.14.DA
05.0976.14.DA

Mains Dimming
05.0975.14.NI
05.0976.14.NI

Non Dimmable
05.0835.14
05.0836.14

Dali Version
05.0835.14.DA
05.0836.14.DA

Mains Dimming
05.0835.14.NI
05.0836.14.NI

Non Dimmable
05.0875.14
05.0876.14

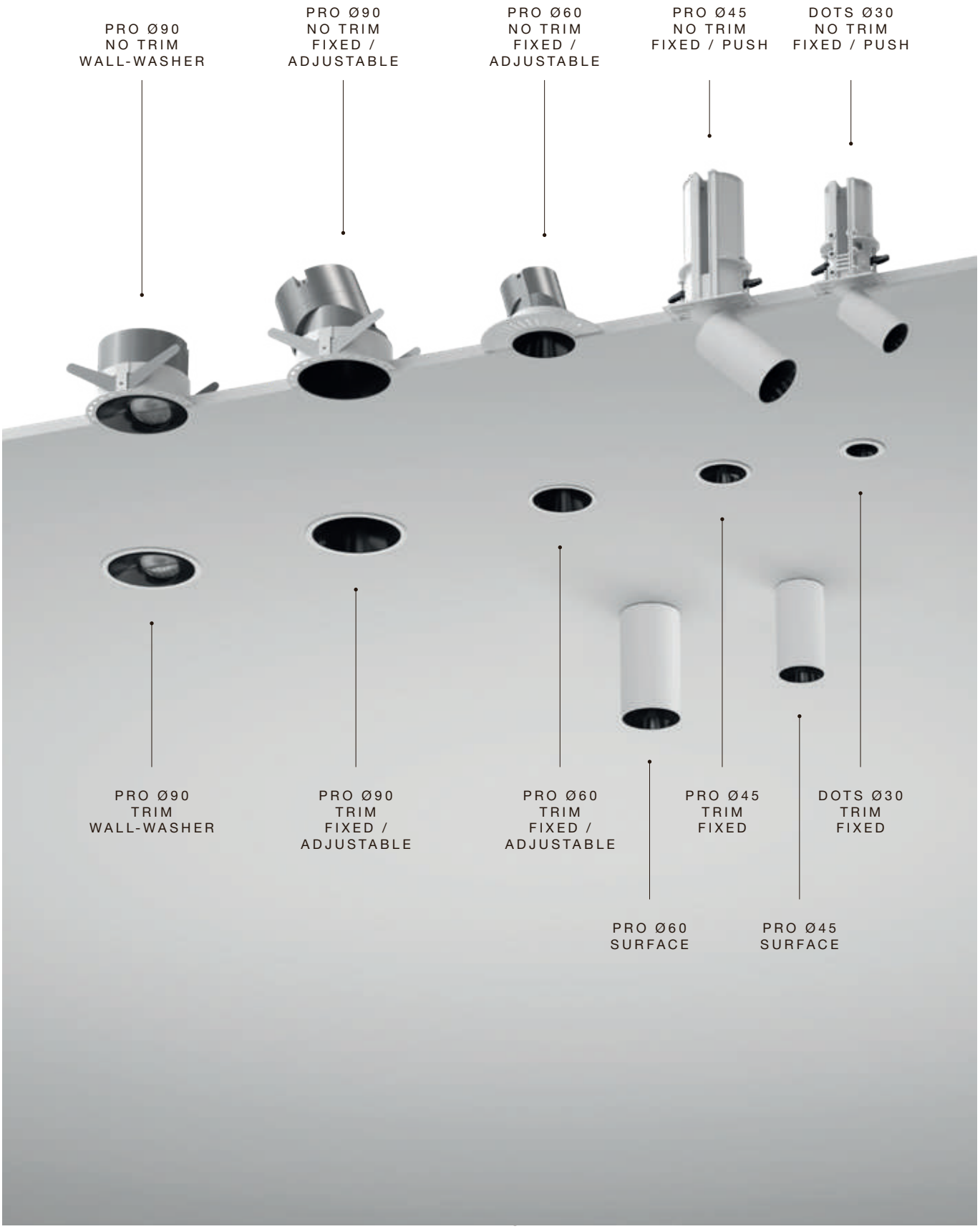
Dali Version
05.0875.14.DA
05.0876.14.DA

Mains Dimming
05.0875.14.NI
05.0876.14.NI

NEW

LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SHADOW PRO&DOTS

NEW

Description
Light Shadow Pro&Dots is a family of luminaires for ceiling installation, with different sizes, also allowing recessed and surface installation. The lighting applications of Light Shadow Pro&Dots range from a downlight emission to directional (both adjustable and push) or asymmetric (wall-washer) light beams. The family has watertightness options from IP20 to IP54 (please consult models).
All Light Shadow Pro&Dots share a common design philosophy: the achievement of the highest possible visual comfort. To this end, the geometry of the products has been conceived so that the light source is markedly recessed with respect to the outer plane of the luminaire. The cut-off angle of Light Shadow Pro&Dots is therefore very high, making direct visual access to the light source difficult. As a result, the origin of the light source cannot be seen directly from virtually any natural position in the field of view of the users of the room.
In addition, the state-of-the-art optical system, patented by Flos, almost completely avoids the incidence of light on the product shade, which achieves the “high-comfort” effect (especially in luminaires with a black inner cone). This effect ensures that the product perfectly illuminates the space, while giving the impression that it remains switched off.

Optical System
Thanks to its range of optical lenses, Light Shadow Pro&Dots offers a series of beam angles, from very narrow angles (Super Spot) to extremely wide ones (Wide Flood). Please consult beam angle options for each model.
For Light Shadow Pro models, Flos has developed exclusive and patented double focal silicone lenses to achieve perfect control of light distribution. These lenses eliminate stray light and achieve an unparalleled L.O.R. (Light Output Ratio) luminous efficiency. In this way, they take full advantage of the LED’s raw luminous flux. This is not the case with other technologies such as reflectors or standard production lenses.
Moreover, thanks to their silicon material, these state-of-the-art lenses manage the temperature produced by the LED in an excellent way and are highly resistant to thermal and over-time deterioration. They thus avoid the degradation and yellowing (with its consequent loss of performance) that occurs over time in other types of lenses.

Power Supply Units
Recessed versions require a power supply unit which is not included, to be ordered separately according to recommendations. Please consult the dimensions of the unit: when it does not fit through the recessing hole, an accessible remote location for the unit is required. Some models can be powered with a single unit and serial connection, please consult the corresponding information tables. The surface-mounted versions have integrated units.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Control Systems
Light Shadow Pro&Dots has control systems for dimming the luminaires under different protocols. Please consult the options available for each model and, in some cases, the appropriate power intensity options to match the luminous fluxes of products with different protocols.

Accessories and Installation
The recessed versions of Light Shadow Pro&Dots require individual installation accessories (pre-installation frames) available in Trim and No Trim versions (depending on the models, please consult). This recessed installation method is valid only for plasterboard ceilings.
For Light Shadow Dots Fixed models, pre-installation frames include No Trim options to install several units in line. These are fully compatible with the No Trim pre-installation frames for the Push models. Thus, “lines” of Light Shadow Dots and Push can be created with the same spacing and appearance.
As for the power supply, in the recessed Light Shadow Pro the power supply is connected directly to the luminaire. In the Light Shadow Dots and Push models, the connection is made through the pre-installation frame. This pre-installation frame is protected with the Hot Plug system that allows the product to be replaced with the power on. In pre-installation frames comprising several units, it also avoids luminaires installed in the same pre-installation frame to stop working if one of them does not work.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Descripción
Light Shadow Pro&Dots es una familia de luminarias, para instalación en techo -con diferentes tallas- y posibilidades de instalación en empotramiento y superficie. Las aplicaciones lumínicas de Light Shadow Pro&Dots abarcan desde emisión downlight, a haces de luz direccionables (tanto ajustables, como ‘push’) o asimétricos (wall-washer). La familia cuenta con opciones de estanqueidad desde IP20 a IP54 (consultar modelos).
Todo Light Shadow Pro&Dots comparte una filosofía común de diseño: la consecución del mayor confort visual posible. Para ello, la geometría de los productos se ha concebido para que la fuente de luz quede marcadamente retranqueada respecto al plano exterior de la luminaria. Así, el ángulo cut-off de Light Shadow Pro&Dots es muy elevado, dificultando con ello el acceso visual directo a la fuente de luz. Como consecuencia, el origen de la luz no puede ser visto directamente desde prácticamente ninguna posición natural del campo de vista de los usuarios del espacio.
Además, el vanguardista sistema óptico, patentado por Flos, evita casi al completo la incidencia de luz en la pantalla del producto, lo que consigue el efecto ‘high-confort’ (especialmente en las luminarias de cono interior negro). Este efecto logra que el producto ilumine perfectamente el espacio, al tiempo que otorga la impresión de que la luminaria permanece apagada.

Sistema óptico
Gracias a su oferta de lentes ópticas, Light Shadow Pro&Dots ofrece un abanico de aperturas de haz desde ángulos muy cerrados (Super Spot) a ángulos extremadamente abiertos (Wide Flood). Consultar opciones de apertura en cada modelo.
En el caso de los modelos Light Shadow Pro, para logar el control perfecto de la distribución lumínica se han desarrollado unas lentes de silicona de doble focal, exclusivas y patentadas por Flos. Estas lentes eliminan la luz espuria y consiguen una eficiencia lumínica L.O.R. (Light Output Ratio) sin parangón. De este modo, aprovechan al máximo el caudal de flujo lumínico bruto del LED. Esto no sucede así con otras tecnologías como reflectores o lentes de producción estándar.
Por otra parte, estas lentes de última tecnología gestionan de manera excelente -por su material de silicona- la temperatura producida por el LED y presentan una alta resistencia al deterioro térmico y temporal. Evitan así la degradación y el amarilleamiento (con su consiguiente pérdida de rendimiento) que se produce con el paso del tiempo en otro tipo de lentes.

Unidades de Alimentación
Las versiones empotradas precisan de un equipo no incluido, pedir por separado según las recomendaciones. Consultar las dimensiones del equipo: cuando no cabe por el agujero de empotramiento es necesaria una ubicación remota accesible para el mismo. Algunos modelos pueden ser alimentados con un solo equipo y conexión en serie, consulte las tablas de información correspondientes. Las versiones de superficie llevan el equipo integrado.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Sistemas de control
Light Shadow Pro&Dots dispone de sistemas de control para la regulación de las luminarias bajo diversos protocolos, consultar las opciones disponibles para cada modelo y, en algunos casos, las opciones de intensidad de alimentación adecuadas para hacer coincidir los flujos lumínicos de productos con protocolos diferentes.

Accesorios e instalación
Las versiones empotradas de Light Shadow Pro&Dots precisan de accesorios de instalación individual (premarcos) disponibles en versión Trim y No Trim (según los modelos, consultar). Este método de instalación empotrada es válido únicamente para techos de cartón-yeso (escayola).
Dentro de la oferta de estos premarcos, para los modelos Light Shadow Dots Fixed, existen opciones No Trim para instalar varias unidades en línea. Estos son completamente compatibles con los premarcos No Trim para los modelos Push. Así, se pueden crear ‘líneas’ de Light Shadow Dots y Push con la misma interdistancia y apariencia.
En cuanto a la alimentación, en los Light Shadow Pro de instalación empotrada, la alimentación se conecta directamente a la luminaria. En los modelos Light Shadow Dots y Push, la conexión se realiza a través del premarco de instalación. Este premarco está protegido con el sistema ‘Hot Plug’ que permite reemplazar el producto con la alimentación encendida. También permite que -en premarcos de varias unidades- el fallo de una de ellas no obligue al cese de funcionamiento del resto de luminarias instaladas en el mismo premarco.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

NEW

LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL

DOTS Ø30 FIXED



LIGHT SOURCE*
POWER LED
Up to 2,7W
222 lm
2700K/CRI 90
236 lm
3000K/CRI 90
293 lm
4000K/CRI 90

PRO Ø45 FIXED



LIGHT SOURCE
LED ARRAY
8,8W
816 lm
2700K/CRI 90
834 lm
3000K/CRI 90
926 lm
4000K/CRI 90

PRO Ø60 FIXED



LIGHT SOURCE*
LED ARRAY
Up to 15W
1402 lm
2700K/CRI 90
1427 lm
3000K/CRI 90
1577 lm
4000K/CRI 90

PRO Ø90 FIXED



LIGHT SOURCE*
LED ARRAY
Up to 22W
2191 lm
2700K/CRI 90
2339 lm
3000K/CRI 90
2457 lm
4000K/CRI 90

DOTS Ø30 PUSH



LIGHT SOURCE*
POWER LED
Up to 2,7W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90
295 lm
4000K/CRI 90

PRO Ø45 PUSH



LIGHT SOURCE
LED ARRAY
8,5W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90
866 lm
4000K/CRI 90

PRO Ø60 ADJUSTABLE



LIGHT SOURCE
LED ARRAY
10,5W
888 lm
2700K/CRI 90
923 lm
3000K/CRI 90
963 lm
4000K/CRI 90

PRO Ø90 ADJUSTABLE



LIGHT SOURCE*
LED ARRAY
Up to 18W
1637 lm
2700K/CRI 90
1772 lm
3000K/CRI 90
1877 lm
4000K/CRI 90

PRO Ø45 SURFACE



LIGHT SOURCE
LED ARRAY
8,8W
800 lm
2700K/CRI 90
845 lm
3000K/CRI 90
915 lm
4000K/CRI 90

PRO Ø60 SURFACE



LIGHT SOURCE
LED ARRAY
15W
1185 lm
2700K/CRI 90
1275 lm
3000K/CRI 90
1355 lm
4000K/CRI 90

PRO Ø90 WALL-WASHER



LIGHT SOURCE
LED ARRAY
18W
1593 lm
2700K/CRI 90
1752 lm
3000K/CRI 90
1867 lm
4000K/CRI 90

* Certain models of this product are available with different light values. See the product page.
* Disponible con valores lumínicos diferentes para algún modelo de este producto. Consulte la página de producto.

NEW

Rear Finish (R)
Light Shadow Pro&Dots Push

40 White
40 Blanco

14 Black
14 Negro



External Finish (E)
Light Shadow Dots Push / Light Shadow Pro Push & Surface

40 White
40 Blanco

14 Black
14 Negro

EQ Brushed Copper
EQ Cobre Cepillado

ER Brushed Steel
ER Acero Cepillado

ES Brushed Bronze
ES Bronce Cepillado

TK Teak
TK Teca



Internal Finish (I)

HIGH COMFORT

40 White
40 Blanco

14 Black
14 Negro

ER Steel
ER Acero

ES Bronze
ES Bronce

EQ Copper
EQ Cobre



FLOS
CONTROL BY CASAMBI

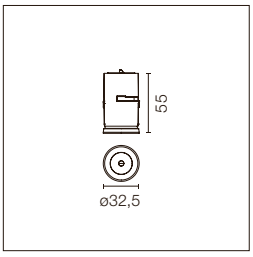
Available on the App Store

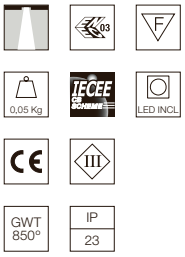
GET IT ON Google Play

Light Shadow DOTS Ø30 Fixed - Single Spot Module

Light Source: Power LED DC 900 mA - 2,7W - 222 lm - 2700K/CRI 90 / 2,7W - 236 lm - 3000K/CRI 90 / 2,7W - 293 lm - 4000K/CRI 90
Set of 1 spot mains dimming. Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Disponible en versiones de una luz y grupos de dos y cuatro luces. Driver no incluido, el driver se debe conectar directamente a los marcos de empotramiento.

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	70.0637

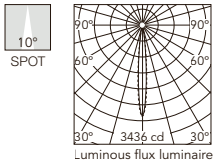
* Refer to the Drivers chapter / Ver capítulo Drivers

** Only Serial Connection / Solo conexión en serie

Optic Spot 2700K

Set of 1 spot

- 03.8600.40B
- 03.8600.14A
- 03.8600.ERA
- 03.8600.ESA
- 03.8600.EQA

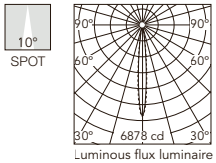


Luminous flux luminaire 188 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	3436	0.17
2	859	0.35
3	382	0.52
4	215	0.70
5	137	0.87

Set of 2 spots

- 03.8640.40B
- 03.8640.14A
- 03.8640.ERA
- 03.8640.ESA
- 03.8640.EQA

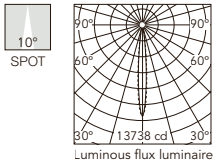


Luminous flux luminaire 376 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	6878	0.17
2	1720	0.35
3	764	0.52
4	430	0.70
5	275	0.87

Set of 4 spots

- 03.8610.40B
- 03.8610.14A
- 03.8610.ERA
- 03.8610.ESA
- 03.8610.EQA



Luminous flux luminaire 751 lm

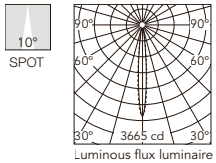
Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	13738	0.17
2	3434	0.35
3	1526	0.52
4	859	0.70
5	550	0.87

Internal Finish (I) · White

3000K

Set of 1 spot

- 03.8603.40B
- 03.8603.14A
- 03.8603.ERA
- 03.8603.ESA
- 03.8603.EQA

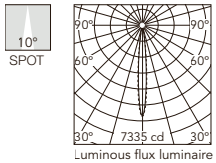


Luminous flux luminaire 200 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	3665	0.17
2	916	0.35
3	407	0.52
4	229	0.70
5	147	0.87

Set of 2 spots

- 03.8643.40B
- 03.8643.14A
- 03.8643.ERA
- 03.8643.ESA
- 03.8643.EQA

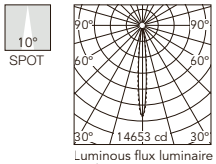


Luminous flux luminaire 401 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	7335	0.17
2	1834	0.35
3	815	0.52
4	458	0.70
5	293	0.87

Set of 4 spots

- 03.8613.40B
- 03.8613.14A
- 03.8613.ERA
- 03.8613.ESA
- 03.8613.EQA



Luminous flux luminaire 801 lm

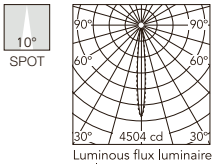
Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	14653	0.17
2	3663	0.35
3	1628	0.52
4	916	0.70
5	586	0.87

Internal Finish (I) · White

Optic Spot 4000K

Set of 1 spot

- 03.8606.40A
- 03.8606.14A
- 03.8606.ERA
- 03.8606.ESA
- 03.8606.EQA

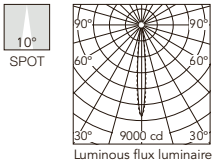


Luminous flux luminaire 246 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	4504	0.17
2	1126	0.35
3	500	0.52
4	282	0.70
5	180	0.87

Set of 2 spots

- 03.8671.40A
- 03.8671.14A
- 03.8671.ERA
- 03.8671.ESA
- 03.8671.EQA

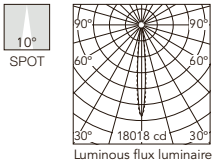


Luminous flux luminaire 492 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	9000	0.17
2	2250	0.35
3	1000	0.52
4	563	0.70
5	360	0.87

Set of 4 spots

- 03.8616.40A
- 03.8616.14A
- 03.8616.ERA
- 03.8616.ESA
- 03.8616.EQA



Luminous flux luminaire 985 lm (EXTREME CUT OFF)

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	18018	0.17
2	4505	0.35
3	2002	0.52
4	1126	0.70
5	721	0.87

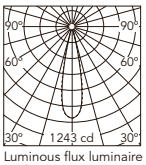
Internal Finish (I) · White

Optic Medium
2700K

Set of 1 spot

03.8601.40B
03.8601.14A
03.8601.ERA
03.8601.ESA
03.8601.EQA

22° MEDIUM



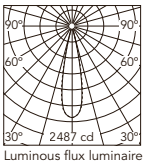
Luminous flux luminaire
186 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1243 0.39
2	311 0.78
3	138 1.17
4	78 1.56
5	50 1.95

Set of 2 spots

03.8641.40B
03.8641.14A
03.8641.ERA
03.8641.ESA
03.8641.EQA

22° MEDIUM



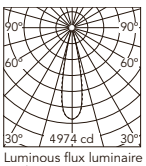
Luminous flux luminaire
372 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	2487 0.39
2	622 0.78
3	276 1.17
4	155 1.56
5	99 1.95

Set of 4 spots

03.8611.40B
03.8611.14A
03.8611.ERA
03.8611.ESA
03.8611.EQA

22° MEDIUM



Luminous flux luminaire
744 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	4974 0.39
2	1243 0.78
3	553 1.17
4	311 1.56
5	199 1.95

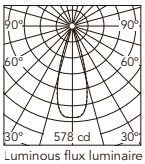
Internal Finish (I) · White

Optic Flood
2700K

Set of 1 spot

03.8602.40B
03.8602.14A
03.8602.ERA
03.8602.ESA
03.8602.EQA

33° FLOOD



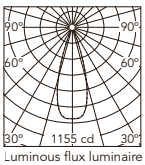
Luminous flux luminaire
185 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	577 0.59
2	144 1.18
3	64 1.78
4	36 2.37
5	23 2.96

Set of 2 spots

03.8642.40B
03.8642.14A
03.8642.ERA
03.8642.ESA
03.8642.EQA

33° FLOOD



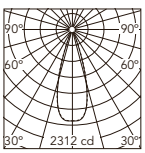
Luminous flux luminaire
370 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1153 0.59
2	288 1.18
3	128 1.78
4	72 2.37
5	46 2.96

Set of 4 spots

03.8612.40B
03.8612.14A
03.8612.ERA
03.8612.ESA
03.8612.EQA

33° FLOOD



Luminous flux luminaire
741 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	2310 0.59
2	578 1.18
3	257 1.78
4	144 2.37
5	92 2.96

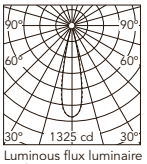
Internal Finish (I) · White

3000K

Set of 1 spot

03.8604.40B
03.8604.14A
03.8604.ERA
03.8604.ESA
03.8604.EQA

22° MEDIUM



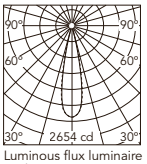
Luminous flux luminaire
198 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1325 0.39
2	331 0.78
3	147 1.17
4	83 1.56
5	53 1.95

Set of 2 spots

03.8644.40B
03.8644.14A
03.8644.ERA
03.8644.ESA
03.8644.EQA

22° MEDIUM



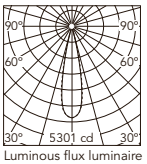
Luminous flux luminaire
397 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	2654 0.39
2	663 0.78
3	295 1.17
4	166 1.56
5	106 1.95

Set of 4 spots

03.8614.40B
03.8614.14A
03.8614.ERA
03.8614.ESA
03.8614.EQA

22° MEDIUM



Luminous flux luminaire
793 lm

Beam Angle:	22°
h(m)	E(lx) D(m)
1	5301 0.39
2	1325 0.78
3	589 1.17
4	331 1.56
5	212 1.95

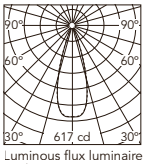
Internal Finish (I) · White

3000K

Set of 1 spot

03.8605.40B
03.8605.14A
03.8605.ERA
03.8605.ESA
03.8605.EQA

33° FLOOD



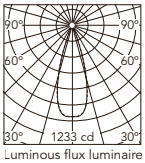
Luminous flux luminaire
198 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	616 0.59
2	154 1.18
3	68 1.78
4	38 2.37
5	25 2.96

Set of 2 spots

03.8645.40B
03.8645.14A
03.8645.ERA
03.8645.ESA
03.8645.EQA

33° FLOOD



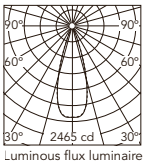
Luminous flux luminaire
395 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1231 0.59
2	308 1.18
3	137 1.78
4	77 2.37
5	49 2.96

Set of 4 spots

03.8615.40B
03.8615.14A
03.8615.ERA
03.8615.ESA
03.8615.EQA

33° FLOOD



Luminous flux luminaire
790 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	2463 0.59
2	616 1.18
3	274 1.78
4	154 2.37
5	99 2.96

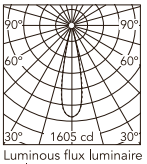
Internal Finish (I) · White

4000K

Set of 1 spot

03.8607.40A
03.8607.14A
03.8607.ERA
03.8607.ESA
03.8607.EQA

22° MEDIUM



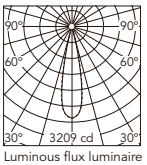
Luminous flux luminaire
240 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	1605 0.39
2	401 0.78
3	178 1.17
4	100 1.56
5	64 1.95

Set of 2 spots

03.8672.40A
03.8672.14A
03.8672.ERA
03.8672.ESA
03.8672.EQA

22° MEDIUM



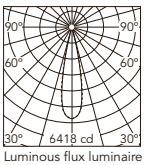
Luminous flux luminaire
480 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	3209 0.39
2	802 0.78
3	357 1.17
4	201 1.56
5	128 1.95

Set of 4 spots

03.8617.40A
03.8617.14A
03.8617.ERA
03.8617.ESA
03.8617.EQA

22° MEDIUM



Luminous flux luminaire
960 lm (EXTREME CUT OFF)

Beam Angle:	22°
h(m)	E(lx) D(m)
1	6418 0.39
2	1604 0.78
3	713 1.17
4	401 1.56
5	257 1.95

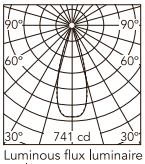
Internal Finish (I) · White

4000K

Set of 1 spot

03.8608.40A
03.8608.14A
03.8608.ERA
03.8608.ESA
03.8608.EQA

33° FLOOD



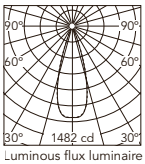
Luminous flux luminaire
237 lm (EXTREME CUT OFF)

Beam Angle:	33°
h(m)	E(lx) D(m)
1	740 0.59
2	185 1.18
3	82 1.78
4	46 2.37
5	30 2.96

Set of 2 spots

03.8673.40A
03.8673.14A
03.8673.ERA
03.8673.ESA
03.8673.EQA

33° FLOOD



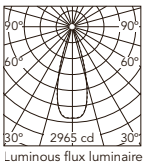
Luminous flux luminaire
475 lm (EXTREME CUT OFF)

Beam Angle:	33°
h(m)	E(lx) D(m)
1	1481 0.59
2	370 1.18
3	165 1.78
4	93 2.37
5	59 2.96

Set of 4 spots

03.8618.40A
03.8618.14A
03.8618.ERA
03.8618.ESA
03.8618.EQA

33° FLOOD



Luminous flux luminaire
950 lm (EXTREME CUT OFF)

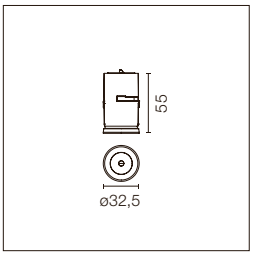
Beam Angle:	33°
h(m)	E(lx) D(m)
1	2962 0.59
2	740 1.18
3	329 1.78
4	185 2.37
5	118 2.96

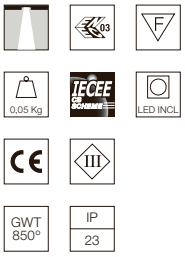
Internal Finish (I) · White

Light Shadow DOTS Ø30 Fixed - Single Spot Module

Light Source: Power LED DC 900 mA - 2,7W - 222 lm - 2700K/CRI 90 / 2,7W - 236 lm - 3000K/CRI 90 / 2,7W - 293 lm - 4000K/CRI 90
Set of 1 spot mains dimming. Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Disponible en versiones de una luz y grupos de dos y cuatro luces. Driver no incluido, el driver se debe conectar directamente a los marcos de empotramiento.

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	70.0637

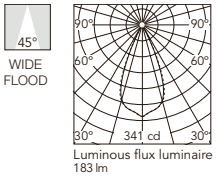
* Refer to the Drivers chapter / Ver capítulo Drivers

** Only Serial Connection / Solo conexión en serie

Optic Wide Flood 2700K

Set of 1 spot

03.8630.40B
03.8630.14A
03.8630.ERA
03.8630.ESA
03.8630.EQA

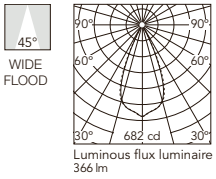


Luminous flux luminaire 183 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	341 0.83
2	85 1.67
3	38 2.50
4	21 3.34
5	14 4.17

Set of 2 spots

03.8646.40B
03.8646.14A
03.8646.ERA
03.8646.ESA
03.8646.EQA

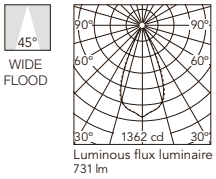


Luminous flux luminaire 366 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	682 0.83
2	171 1.67
3	76 2.50
4	43 3.34
5	27 4.17

Set of 4 spots

03.8635.40B
03.8635.14A
03.8635.ERA
03.8635.ESA
03.8635.EQA



Luminous flux luminaire 731 lm

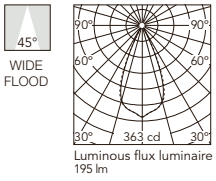
Beam Angle:	45°
h(m)	E(lx) D(m)
1	1362 0.83
2	341 1.67
3	151 2.50
4	85 3.34
5	54 4.17

Internal Finish (I) · White

3000K

Set of 1 spot

03.8631.40B
03.8631.14A
03.8631.ERA
03.8631.ESA
03.8631.EQA

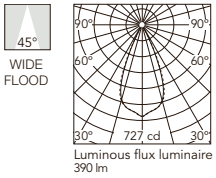


Luminous flux luminaire 195 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	363 0.83
2	91 1.67
3	40 2.50
4	23 3.34
5	15 4.17

Set of 2 spots

03.8647.40B
03.8647.14A
03.8647.ERA
03.8647.ESA
03.8647.EQA

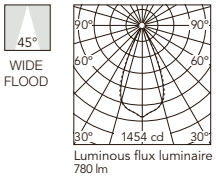


Luminous flux luminaire 390 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	727 0.83
2	182 1.67
3	81 2.50
4	45 3.34
5	29 4.17

Set of 4 spots

03.8636.40B
03.8636.14A
03.8636.ERA
03.8636.ESA
03.8636.EQA



Luminous flux luminaire 780 lm

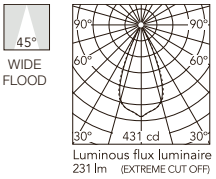
Beam Angle:	45°
h(m)	E(lx) D(m)
1	1454 0.83
2	363 1.67
3	162 2.50
4	91 3.34
5	58 4.17

Internal Finish (I) · White

Optic Wide Flood 4000K

Set of 1 spot

03.8633.40A
03.8633.14A
03.8633.ERA
03.8633.ESA
03.8633.EQA

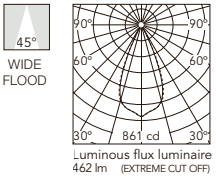


Luminous flux luminaire 231 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	431 0.83
2	108 1.67
3	48 2.50
4	27 3.34
5	17 4.17

Set of 2 spots

03.8674.40A
03.8674.14A
03.8674.ERA
03.8674.ESA
03.8674.EQA

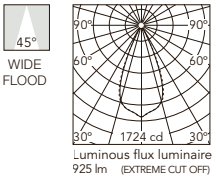


Luminous flux luminaire 462 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	861 0.83
2	215 1.67
3	96 2.50
4	54 3.34
5	34 4.17

Set of 4 spots

03.8637.40A
03.8637.14A
03.8637.ERA
03.8637.ESA
03.8637.EQA



Luminous flux luminaire 925 lm (EXTREME CUT OFF)

Beam Angle:	45°
h(m)	E(lx) D(m)
1	1724 0.83
2	431 1.67
3	192 2.50
4	108 3.34
5	69 4.17

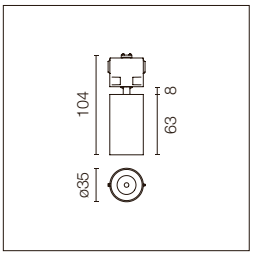
Internal Finish (I) · White

NEW

Light Shadow DOTS Ø30 Push

Light Source: Power LED DC 900 mA - 2,7W - 270 lm - 2700K/CRI 90 / 2,7W - 285 lm - 3000K/CRI 90 / 2,7W - 295 lm - 4000K/CRI 90
Mains Dimming: Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90







Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

Luminaria con funcionalidad 2x1: puede actuar como downlight (empotrada, a ras del techo) o proyector (completamente orientable). El paso de una posición a otra se puede acometer moviendo el producto fácilmente con la mano.

R= Rear finish
E= External finish
I= Internal finish

R= Acabado trasero
E= Acabado exterior
I= Acabado interior

Optic Spot 2700K

R E I

- 05.9300.40
- 05.9301.40
- 05.9302.40
- 05.9303.40

- 05.9305.40
- 05.9304.40
- 05.9306.40
- 05.9307.40

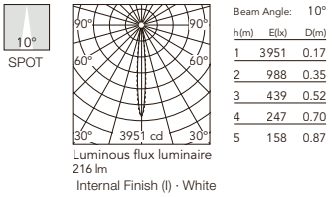
- 05.9305.14
- 05.9304.14
- 05.9306.14
- 05.9307.14

- 05.9304.ER
- 05.9307.ER

- 05.9304.ES
- 05.9308.ES

- 05.9304.EQ
- 05.9306.EQ

- 05.9304.TK
- 05.9306.TK



Luminous flux luminaire
216 lm
Internal Finish (I) · White

Beam Angle:	10°
h(m)	E(lx) D(m)
1	3951 0.17
2	988 0.35
3	439 0.52
4	247 0.70
5	158 0.87

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	06.1974.00

* Refer to the Drivers chapter / Ver capítulo Drivers
** Only Serial Connection / Solo conexión en serie

Optic Spot 3000K

R E I

- 05.9350.40
- 05.9351.40
- 05.9352.40
- 05.9353.40

- 05.9355.40
- 05.9354.40
- 05.9356.40
- 05.9357.40

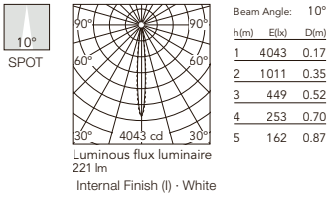
- 05.9355.14
- 05.9354.14
- 05.9356.14
- 05.9357.14

- 05.9354.ER
- 05.9357.ER

- 05.9354.ES
- 05.9358.ES

- 05.9354.EQ
- 05.9356.EQ

- 05.9354.TK
- 05.9356.TK



Luminous flux luminaire
221 lm
Internal Finish (I) · White

Beam Angle:	10°
h(m)	E(lx) D(m)
1	4043 0.17
2	1011 0.35
3	449 0.52
4	253 0.70
5	162 0.87

Optic Spot 4000K

R E I

- 05.9400.40
- 05.9401.40
- 05.9402.40
- 05.9403.40

- 05.9405.40
- 05.9404.40
- 05.9406.40
- 05.9407.40

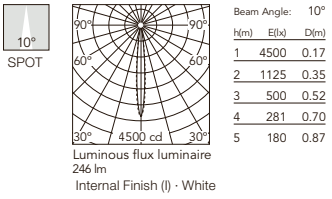
- 05.9405.14
- 05.9404.14
- 05.9406.14
- 05.9407.14

- 05.9404.ER
- 05.9407.ER

- 05.9404.ES
- 05.9408.ES

- 05.9404.EQ
- 05.9406.EQ

- 05.9404.TK
- 05.9406.TK



Luminous flux luminaire
246 lm
Internal Finish (I) · White

Beam Angle:	10°
h(m)	E(lx) D(m)
1	4500 0.17
2	1125 0.35
3	500 0.52
4	281 0.70
5	180 0.87

NEW

Optic Medium 2700K

R E I



05.9310.40
05.9311.40
05.9312.40
05.9313.40



05.9315.40
05.9314.40
05.9316.40
05.9317.40



05.9315.14
05.9314.14
05.9316.14
05.9317.14



05.9314.ER
05.9317.ER



05.9314.ES
05.9318.ES

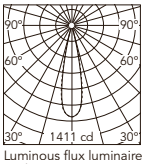


05.9314.EQ
05.9316.EQ



05.9314.TK
05.9316.TK

22°
MEDIUM



Luminous flux luminaire
211 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1411	0.39
2	353	0.78
3	157	1.17
4	88	1.56
5	56	1.95

Optic Medium 3000K

R E I



05.9360.40
05.9361.40
05.9362.40
05.9363.40



05.9365.40
05.9364.40
05.9366.40
05.9367.40



05.9365.14
05.9364.14
05.9366.14
05.9367.14



05.9364.ER
05.9367.ER



05.9364.ES
05.9368.ES

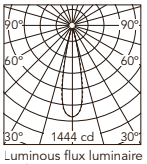


05.9364.EQ
05.9366.EQ



05.9364.TK
05.9366.TK

22°
MEDIUM



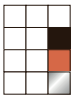
Luminous flux luminaire
216 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1444	0.39
2	361	0.78
3	160	1.17
4	90	1.56
5	58	1.95

Optic Medium 4000K

R E I



05.9410.40
05.9411.40
05.9412.40
05.9413.40



05.9415.40
05.9414.40
05.9416.40
05.9417.40



05.9415.14
05.9414.14
05.9416.14
05.9417.14



05.9414.ER
05.9417.ER



05.9414.ES
05.9418.ES

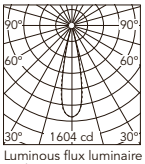


05.9414.EQ
05.9416.EQ



05.9414.TK
05.9416.TK

22°
MEDIUM



Luminous flux luminaire
240 lm
Internal Finish (I) · White

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1604	0.39
2	401	0.78
3	178	1.17
4	100	1.56
5	64	1.95

Accessories / Accesorios

Light Shadow PRO Ø30 Push

Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0792.00

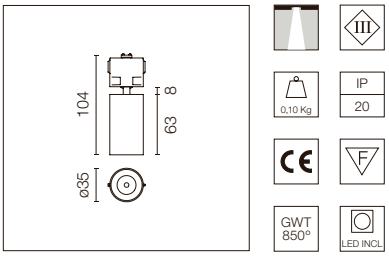
Only available in black. For other colours, please ask. / Solo disponible en color negro. Otros colores, consultar.

NEW

Light Shadow DOTS Ø30 Push

Light Source: Power LED DC 900 mA - 2,7W - 270 lm - 2700K/CRI 90 / 2,7W - 285 lm - 3000K/CRI 90 / 2,7W - 295 lm - 4000K/CRI 90
Mains Dimming: Power LED DC 750 mA - 2,3W - 222 lm - 2700K/CRI 90 / 2,3W - 235 lm - 3000K/CRI 90 / 2,3W - 256 lm - 4000K/CRI 90





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Luminaria con funcionalidad 2x1: puede actuar como downlight (empotrada, a ras del techo) o proyector (completamente orientable). El paso de una posición a otra se puede acometer moviendo el producto fácilmente con la mano.

R= Rear finish
E= External finish
I= Internal finish

R= Acabado trasero
E= Acabado exterior
I= Acabado interior

Optic Flood 2700K

R E I

05.9320.40
05.9321.40
05.9322.40
05.9323.40

05.9325.40
05.9324.40
05.9326.40
05.9327.40

05.9325.14
05.9324.14
05.9326.14
05.9327.14

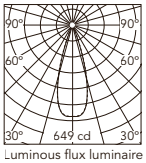
05.9324.ER
05.9327.ER

05.9324.ES
05.9328.ES

05.9324.EQ
05.9326.EQ

05.9324.TK
05.9326.TK

33°
FLOOD



Luminous flux luminaire
208 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	648 0.59
2	162 1.18
3	72 1.78
4	41 2.37
5	26 2.96

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 900mA	60.8911
Non Dimmable 220-240V 900mA	60.7677**
Mains Dimming 230-240V 750mA	60.8534
Mains Dimming 220-240V 900mA	60.9467**
Dimmable 0-10V 900mA	60.9414
Dim DALI 900mA	60.9602
Casambi 900mA	60.9207**
Casambi 900mA	06.1974.00

* Refer to the Drivers chapter / Ver capítulo Drivers
** Only Serial Connection / Solo conexión en serie

Optic Flood 3000K

R E I

05.9370.40
05.9371.40
05.9372.40
05.9373.40

05.9375.40
05.9374.40
05.9376.40
05.9377.40

05.9375.14
05.9374.14
05.9376.14
05.9377.14

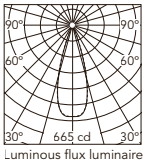
05.9374.ER
05.9377.ER

05.9374.ES
05.9378.ES

05.9374.EQ
05.9376.EQ

05.9374.TK
05.9376.TK

33°
FLOOD



Luminous flux luminaire
213 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	664 0.59
2	166 1.18
3	74 1.78
4	42 2.37
5	27 2.96

Optic Flood 4000K

R E I

05.9420.40
05.9421.40
05.9422.40
05.9423.40

05.9425.40
05.9424.40
05.9426.40
05.9427.40

05.9425.14
05.9424.14
05.9426.14
05.9427.14

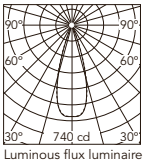
05.9424.ER
05.9427.ER

05.9424.ES
05.9428.ES

05.9424.EQ
05.9426.EQ

05.9424.TK
05.9426.TK

33°
FLOOD



Luminous flux luminaire
237 lm
Internal Finish (I) · White

Beam Angle:	33°
h(m)	E(lx) D(m)
1	739 0.59
2	185 1.18
3	82 1.78
4	46 2.37
5	30 2.96

NEW

Optic Wide Flood 2700K

R E I



05.9330.40
05.9331.40
05.9332.40
05.9333.40



05.9335.40
05.9334.40
05.9336.40
05.9337.40



05.9335.14
05.9334.14
05.9336.14
05.9337.14



05.9334.ER
05.9337.ER



05.9334.ES
05.9338.ES



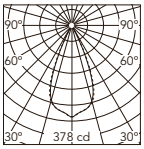
05.9334.EQ
05.9336.EQ



05.9334.TK
05.9336.TK



WIDE FLOOD



Luminous flux luminaire 203 lm

Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	378	0.83
2	95	1.67
3	42	2.50
4	24	3.34
5	15	4.17

Optic Wide Flood 3000K

R E I



05.9380.40
05.9381.40
05.9382.40
05.9383.40



05.9385.40
05.9384.40
05.9386.40
05.9387.40



05.9385.14
05.9384.14
05.9386.14
05.9387.14



05.9384.ER
05.9387.ER



05.9384.ES
05.9388.ES



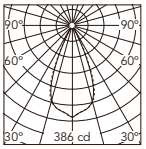
05.9384.EQ
05.9386.EQ



05.9384.TK
05.9386.TK



WIDE FLOOD



Luminous flux luminaire 207 lm

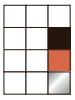
Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	386	0.83
2	96	1.67
3	43	2.50
4	24	3.34
5	15	4.17

Optic Wide Flood 4000K

R E I



05.9430.40
05.9431.40
05.9432.40
05.9433.40



05.9435.40
05.9434.40
05.9436.40
05.9437.40



05.9435.14
05.9434.14
05.9436.14
05.9437.14



05.9434.ER
05.9437.ER



05.9434.ES
05.9438.ES



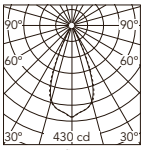
05.9434.EQ
05.9436.EQ



05.9434.TK
05.9436.TK



WIDE FLOOD



Luminous flux luminaire 231 lm

Internal Finish (I) · White

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	430	0.83
2	108	1.67
3	48	2.50
4	27	3.34
5	17	4.17

Accessories / Accesorios

Light Shadow PRO Ø30 Push

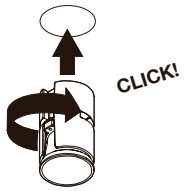
Honeycomb	Panel de abeja		08.0790.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0791.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0792.00

Only available in black. For other colours, please ask. / Solo disponible en color negro. Otros colores, consultar.

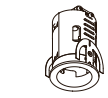
NEW

HOW TO ORDER LIGHT SHADOW DOTS

Dots Fixed



Dots Fixed Trim



single frame
(ref. 08.0661.40)
(ref. 08.0661.14)

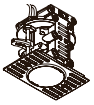
+



1 spot set

= Light Shadow DOTS Fixed 1 Spot

Dots Fixed No Trim



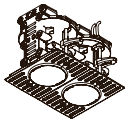
single frame
(ref. 08.0580.00)

+



1 spot set

= Light Shadow DOTS Fixed 1 Spot



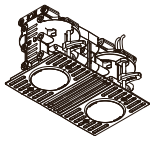
2 spots frame (int 43)
(ref. 08.0581.00)

+



2 spots set

= Light Shadow DOTS Fixed 2 Spots (int 43)



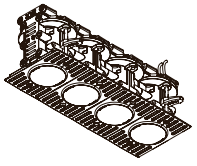
2 spots frame (int 70)
(ref. 08.0583.00)

+



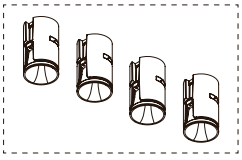
2 spots set

= Light Shadow DOTS Fixed 2 Spots (int 70)



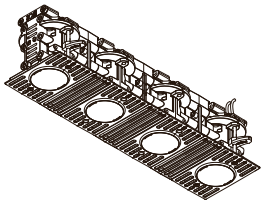
4 spots frame (int 43)
(ref. 08.0582.00)

+



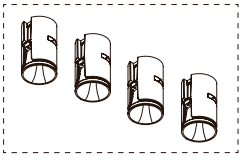
4 spots set

= Light Shadow DOTS Fixed 4 Spots (int 43)



4 spots frame (int 70)
(ref. 08.0584.00)

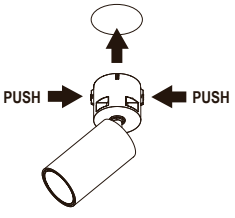
+



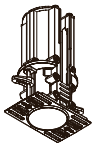
4 spots set

= Light Shadow DOTS Fixed 4 Spots (int 70)

Dots Push

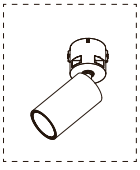


Dots Push No Trim



single frame
(ref. 08.0756.00)

+



1 spot set

= Light Shadow DOTS Push 1 Spot

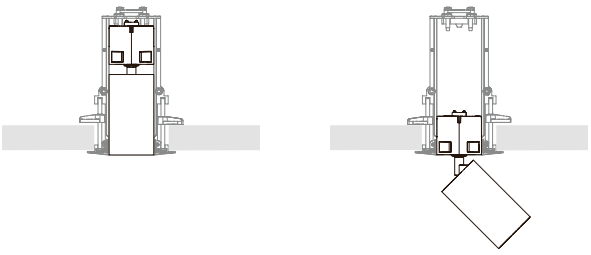
HOW TO ORDER LIGHT SHADOW DOTS

NEW

Dots Push - Functionality and Positioning

Light Shadow Push can be placed in top position, functioning as a downlight (perfectly flush to ceiling), or in bottom position, functioning as an adjustable spotlight.

Light Shadow Push puede colocarse en posición superior -funcionando como un downlight (perfectamente enrasado a techo)-, o en posición inferior -funcionado como un proyector orientable-.



Dots Fixed & Push No Trim Frames - Continuity and Interdistance

When planning the lighting of an environment, the Light Shadow Dots family allows to project continuous light lines or random figures thanks to the simple interconnection between its luminaires (1, 2 and 4 lights) without the need for an additional tool. For the lighting designning and planning, the user can choose between two predefined distances of 43 and 70 mm between light points. For the 70 mm version, it is necessary to assemble an independent accessory (reference: 08.0586.00) between the luminaires.

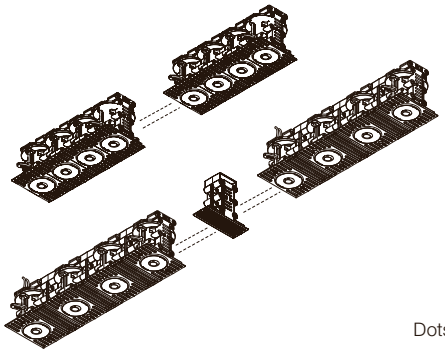
A la hora de planificar la iluminación de un entorno, la familia Light Shadow Dots permite proyectar líneas continuas de luz o figuras aleatorias gracias a la sencilla interconexión entre sus luminarias (1, 2 y 4 luces) sin necesidad de utilizar herramienta adicional. En su diseño y planificación, el usuario podrá elegir entre dos distancias predefinidas entre puntos de luz, 43 y 70 mm, siendo necesario el montaje de un accesorio independiente (ref. 08.0586.00) entre luminarias para la versión 70 mm.



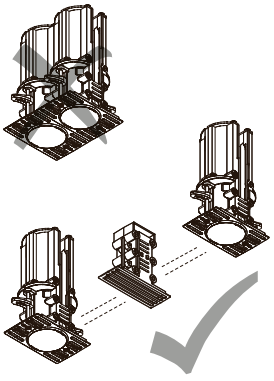
optional divider (int 70)
(ref. 08.0586.00)

Dots Frame (int 43)

Dots Frame (int 70)



Dots Push Frame

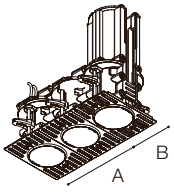


Interconnection information to build a continuous line / Detalle de interconexión para construir una línea continua

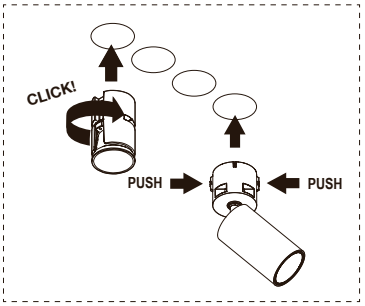
Dots Fixed & Push No Trim Frames - Compatibility

Light Shadow Dots Fixed and Push No Trim pre-installation frames are compatible and can be installed continuously, maintaining the spacing. In this way, when the Push models are in recessed position, they are indistinguishable from the Fixed versions.

Los premarcos No Trim de Light Shadow Dots Fixed y Push son compatibles y se pueden instalar de manera continua, manteniendo la interdistancia. De este modo, cuando los modelos Push están en posición empotrada, son indistinguibles de las versiones Fixed.

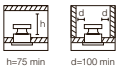


A: Dots Fixed no trim frames 1/2/4 (int 43/70)
+
B: Dots Push no trim frame 1



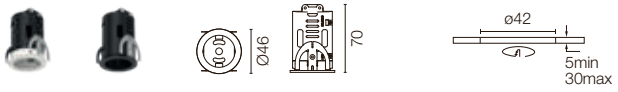
Accessories / Accesorios

Dots Fixed Trim

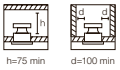


Pre-installation frame.
Marco de pre-instalación.

1L
08.0661.40
08.0661.14

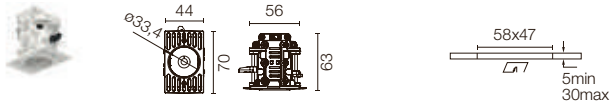


Dots Fixed No Trim - Single & Int 43 Frames



Pre-installation frame.
Marco de pre-instalación.

1L
08.0580.00



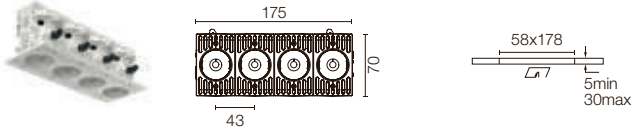
Pre-installation frame.
Marco de pre-instalación.

2L - Int 43
08.0581.00

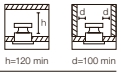


Pre-installation frame.
Marco de pre-instalación.

4L - Int 43
08.0582.00

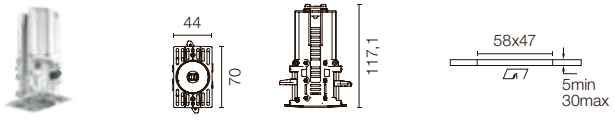


Dots Push No Trim

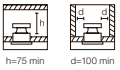


Pre-installation frame.
Marco de pre-instalación.

1L
08.0756.00



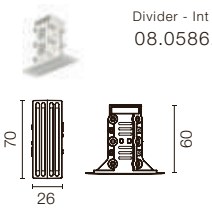
Dots Fixed No Trim - Divider & Int 70 Frames



70 mm divider to keep the spacing between spots when putting together 70 mm modules.

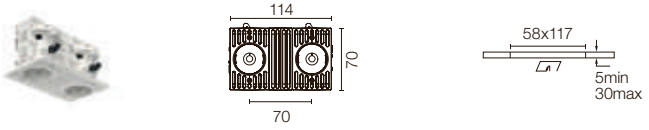
Separador de 70mm para mantener la interdistancia en tres focos al unir módulos de 70mm.

Divider - Int 70
08.0586.00



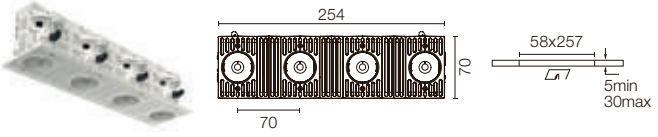
Pre-installation frame.
Marco de pre-instalación.

2L - Int 70
08.0583.00



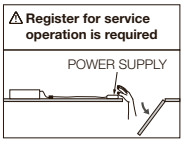
Pre-installation frame.
Marco de pre-instalación.

4L - Int 70
08.0584.00



Drivers for Serial Connection / Equipos para Conexión en Serie

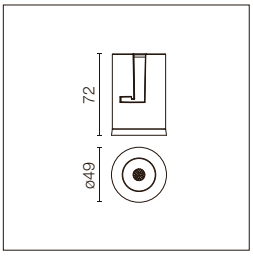
Driver	DIM Protocol	Driving current	Min-Max Spot(s) per Driver
60.8911	Non Dimmable	900	1 - 6
60.7677	Non Dimmable	900	2 - 11
60.8534	Mains Dimming	750	1 - 9
60.9467	Mains Dimming	900	2 - 6
60.9414	Dimmable 0-10V	900	1 - 6
60.9602	Dim DALI	900	1 - 6
60.9207	Casambi	900	3 - 10
06.1974.00	Casambi	900	1 - 5



Light Shadow PRO Ø45 Fixed

Light Source: LED Array DC 700 mA 8,8W - 816 lm - 2700K/CRI 90 / 8,8W - 834 lm - 3000K/CRI 90 / 8,8W - 926 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

Recommended power supply / Equipos recomendados*:

		Serial Con.	⚠
Non Dimmable 100-240V 12W	60.8529A	1 - 1	A**
Non Dimmable 100-277V 31W	60.9387	1 - 3	B
Non Dimmable 220-240V 32W	60.9592	1 - 3	B
Non Dimmable 220-240V 42W	60.7677	1 - 3	B
Dim Dali 2 220-240V 38W	60.7678	1 - 3	B
Dim Dali 2 220-240V 20W	60.9713.0700	1 - 2	B
Dim 1-10V/Push 110-240V	60.9208	1 - 2	B
Dim 1-10V	60.9845	1 - 3	B
Mains Dimming	60.9467	1 - 2	B
Mains Dimming	60.9692	1 - 3	B
Dim Casambi/Push	60.9716	1 - 2	B

* Refer to the Drivers chapter / Ver capítulo Drivers

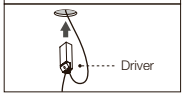
** Driver pass-throught for Fixed model.

Register for service operation is required for Push model. /

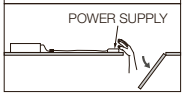
Driver pasante para el modelo Fixed.

Para el driver del modelo Push es necesaria una caja de registro.

⚠ A: Driver pass-through



⚠ B: Register for service operation is required

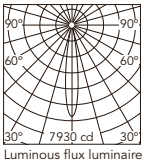


Optic Spot

2700K

05.2500.40
05.2500.14
05.2500.ER
05.2500.ES
05.2500.EQ

15° SPOT



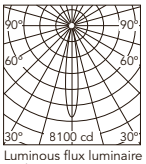
Luminous flux luminaire 675 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	7930	0.27
2	1982	0.54
3	881	0.81
4	496	1.08
5	317	1.35

3000K

05.2505.40
05.2505.14
05.2505.ER
05.2505.ES
05.2505.EQ

15° SPOT



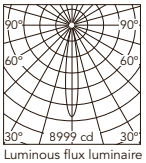
Luminous flux luminaire 690 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8100	0.27
2	2025	0.54
3	900	0.81
4	506	1.08
5	324	1.35

4000K

05.2510.40
05.2510.14
05.2510.ER
05.2510.ES
05.2510.EQ

15° SPOT



Luminous flux luminaire 766 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8999	0.27
2	2250	0.54
3	1000	0.81
4	562	1.08
5	360	1.35

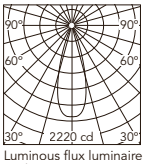
Internal Finish (I) · White

Optic Flood

2700K

05.2502.40
05.2502.14
05.2502.ER
05.2502.ES
05.2502.EQ

33° FLOOD



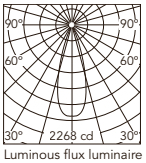
Luminous flux luminaire 678 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2219	0.58
2	555	1.17
3	247	1.75
4	139	2.34
5	89	2.92

3000K

05.2507.40
05.2507.14
05.2507.ER
05.2507.ES
05.2507.EQ

33° FLOOD



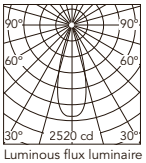
Luminous flux luminaire 692 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2267	0.58
2	567	1.17
3	252	1.75
4	142	2.34
5	91	2.92

4000K

05.2512.40
05.2512.14
05.2512.ER
05.2512.ES
05.2512.EQ

33° FLOOD



Luminous flux luminaire 769 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	2519	0.58
2	630	1.17
3	280	1.75
4	157	2.34
5	101	2.92

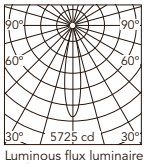
Internal Finish (I) · White

Optic Medium

2700K

05.2501.40
05.2501.14
05.2501.ER
05.2501.ES
05.2501.EQ

20° MEDIUM



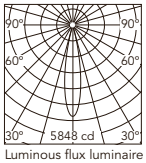
Luminous flux luminaire 671 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	5725	0.34
2	1431	0.69
3	636	1.03
4	358	1.38
5	229	1.72

3000K

05.2506.40
05.2506.14
05.2506.ER
05.2506.ES
05.2506.EQ

20° MEDIUM



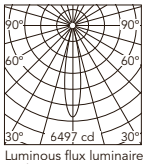
Luminous flux luminaire 685 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	5848	0.34
2	1462	0.69
3	650	1.03
4	365	1.38
5	234	1.72

4000K

05.2511.40
05.2511.14
05.2511.ER
05.2511.ES
05.2511.EQ

20° MEDIUM



Luminous flux luminaire 761 lm

Beam Angle:	20°	
h(m)	E(lx)	D(m)
1	6497	0.34
2	1624	0.69
3	722	1.03
4	406	1.38
5	260	1.72

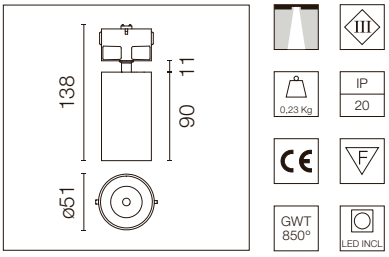
Internal Finish (I) · White

NEW

Light Shadow PRO Ø45 Push

Light Source: LED Array DC 700 mA 8,5W - 756 lm - 2700K/CRI 90 / 8,5W - 799 lm - 3000K/CRI 90 / 8,5W - 866 lm - 4000K/CRI 90





Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

Luminaria con funcionalidad 2x1: puede actuar como downlight (empotrada, a ras del techo) o proyector (completamente orientable). El paso de una posición a otra se puede acometer moviendo el producto fácilmente con la mano.

R= Rear finish
E= External finish
I= Internal finish

R= Acabado trasero
E= Acabado exterior
I= Acabado interior

Optic Spot 2700K

R E I

05.9500.40
05.9501.40
05.9502.40
05.9503.40

05.9505.40
05.9504.40
05.9506.40
05.9507.40

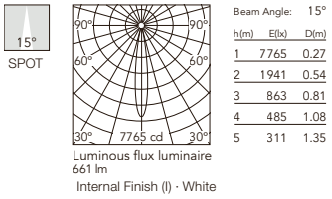
05.9505.14
05.9504.14
05.9506.14
05.9507.14

05.9504.ER
05.9507.ER

05.9504.ES
05.9508.ES

05.9504.EQ
05.9506.EQ

05.9504.TK
05.9506.TK



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

Luminous flux luminaire 661 lm
Internal Finish (I) · White

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 12W	60.8529A
Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 32W	60.9592
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 220-240V 20W	60.9713.0700
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9845
Mains Dimming	60.9467
Mains Dimming	60.9692
Dim Casambi/Push	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 3000K

R E I

05.9530.40
05.9531.40
05.9532.40
05.9533.40

05.9535.40
05.9534.40
05.9536.40
05.9537.40

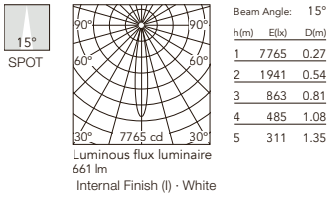
05.9535.14
05.9534.14
05.9536.14
05.9537.14

05.9534.ER
05.9537.ER

05.9534.ES
05.9538.ES

05.9534.EQ
05.9536.EQ

05.9534.TK
05.9536.TK



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

Luminous flux luminaire 661 lm
Internal Finish (I) · White

Optic Spot 4000K

R E I

05.9560.40
05.9561.40
05.9562.40
05.9563.40

05.9565.40
05.9564.40
05.9566.40
05.9567.40

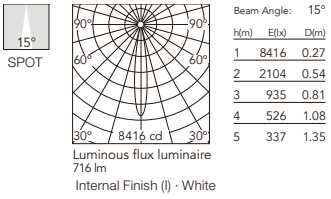
05.9565.14
05.9564.14
05.9566.14
05.9567.14

05.9564.ER
05.9567.ER

05.9564.ES
05.9568.ES

05.9564.EQ
05.9566.EQ

05.9564.TK
05.9566.TK



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8416	0.27
2	2104	0.54
3	935	0.81
4	526	1.08
5	337	1.35

Luminous flux luminaire 716 lm
Internal Finish (I) · White

LIGHT SHADOW PRO

NEW

Optic Medium 2700K

R E I

05.9510.40
05.9511.40
05.9512.40
05.9513.40

05.9515.40
05.9514.40
05.9516.40
05.9517.40

05.9515.14
05.9514.14
05.9516.14
05.9517.14

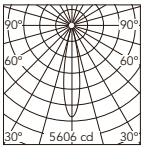
05.9514.ER
05.9517.ER

05.9514.ES
05.9518.ES

05.9514.EQ
05.9516.EQ

05.9514.TK
05.9516.TK

20°
MEDIUM



Luminous flux luminaire 657 lm
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5606	0.34
2	1401	0.69
3	623	1.03
4	350	1.38
5	224	1.72

Optic Medium 4000K

R E I

05.9570.40
05.9571.40
05.9572.40
05.9573.40

05.9575.40
05.9574.40
05.9576.40
05.9577.40

05.9575.14
05.9574.14
05.9576.14
05.9577.14

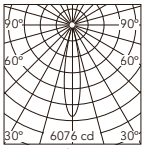
05.9574.ER
05.9577.ER

05.9574.ES
05.9578.ES

05.9574.EQ
05.9576.EQ

05.9574.TK
05.9576.TK

20°
MEDIUM



Luminous flux luminaire 712 lm
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	6076	0.34
2	1519	0.69
3	675	1.03
4	380	1.38
5	243	1.72

Optic Medium 3000K

R E I

05.9540.40
05.9541.40
05.9542.40
05.9543.40

05.9545.40
05.9544.40
05.9546.40
05.9547.40

05.9545.14
05.9544.14
05.9546.14
05.9547.14

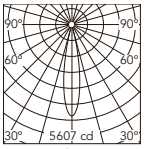
05.9544.ER
05.9547.ER

05.9544.ES
05.9548.ES

05.9544.EQ
05.9546.EQ

05.9544.TK
05.9546.TK

20°
MEDIUM



Luminous flux luminaire 657 lm
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5607	0.34
2	1402	0.69
3	623	1.03
4	350	1.38
5	224	1.72

Accessories / Accesorios

Light Shadow PRO Ø45 Push

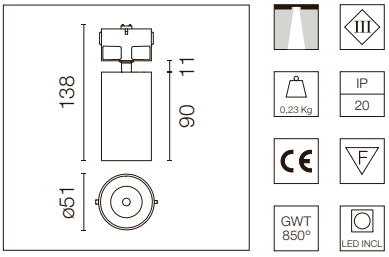
Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

Only available in black. For other colours, please ask. / Solo disponible en color negro. Otros colores, consultar.

Light Shadow PRO Ø45 Push

Light Source: LED Array DC 700 mA 8,5W - 756 lm - 2700K/CRI 90 / 8,5W - 799 lm - 3000K/CRI 90 / 8,5W - 866 lm - 4000K/CRI 90





Luminaire with 2x1 functionality: it can work as downlight (recessed, flush with ceiling) or as a projector (fully adjustable). The passage from one position to the other can be made by moving the product easily by hand.

Luminaria con funcionalidad 2x1: puede actuar como downlight (empotrada, a ras del techo) o proyector (completamente orientable). El paso de una posición a otra se puede acometer moviendo el producto fácilmente con la mano.

R= Rear finish
E= External finish
I= Internal finish

R= Acabado trasero
E= Acabado exterior
I= Acabado interior

Optic Flood 2700K

R E I

05.9520.40
05.9521.40
05.9522.40
05.9523.40

05.9525.40
05.9524.40
05.9526.40
05.9527.40

05.9525.14
05.9524.14
05.9526.14
05.9527.14

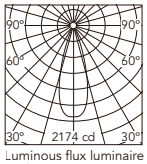
05.9524.ER
05.9527.ER

05.9524.ES
05.9528.ES

05.9524.EQ
05.9526.EQ

05.9524.TK
05.9526.TK

33°
FLOOD



Luminous flux luminaire 663 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2173	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-240V 12W	60.8529A
Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 32W	60.9592
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 220-240V 20W	60.9713.0700
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9845
Mains Dimming	60.9467
Mains Dimming	60.9692
Dim Casambi/Push	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Flood 3000K

R E I

05.9550.40
05.9551.40
05.9552.40
05.9553.40

05.9555.40
05.9554.40
05.9556.40
05.9557.40

05.9555.14
05.9554.14
05.9556.14
05.9557.14

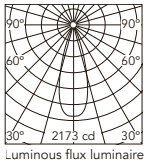
05.9554.ER
05.9557.ER

05.9554.ES
05.9558.ES

05.9554.EQ
05.9556.EQ

05.9554.TK
05.9556.TK

33°
FLOOD



Luminous flux luminaire 663 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2172	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

Optic Flood 4000K

R E I

05.9580.40
05.9581.40
05.9582.40
05.9583.40

05.9585.40
05.9584.40
05.9586.40
05.9587.40

05.9585.14
05.9584.14
05.9586.14
05.9587.14

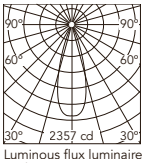
05.9584.ER
05.9587.ER

05.9584.ES
05.9588.ES

05.9584.EQ
05.9586.EQ

05.9584.TK
05.9586.TK

33°
FLOOD



Luminous flux luminaire 719 lm
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2355	0.58
2	589	1.17
3	262	1.75
4	147	2.34
5	94	2.92

NEW

Accessories / Accesorios

Light Shadow PRO Ø45 Push

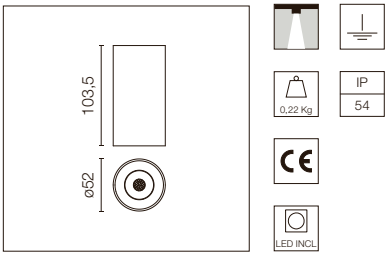
Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 2700K >> 3125±75K 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 2700K >> 2450±75K 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

Only available in black. For other colours, please ask. / Solo disponible en color negro. Otros colores, consultar.

Light Shadow PRO Ø45 Surface

Light Source: LED Array DC 250 mA 8,8W - 800 lm - 2700K/CRI 90 / 8,8W - 845 lm - 3000K/CRI 90 / 8,8W - 915 lm - 4000K/CRI 90





Luminaire for surface installation.
Integrated 220-240 V power supply.
IP54 watertightness.

Luminaria para instalación
en superficie. Fuente de
alimentación 220-240V integrada.
Estanqueidad IP54.

E= External finish
I= Internal finish

E= Acabado exterior
I= Acabado interior

Optic Spot

E I

2700K

05.2700.40
05.2701.40
05.2702.40
05.2703.40

05.2700.14
05.2701.14
05.2702.14
05.2703.14

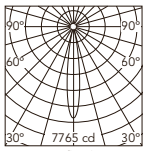
05.2701.ER
05.2703.ER

05.2701.ES
05.2704.ES

05.2701.EQ
05.2702.EQ

05.2701.TK
05.2702.TK

15° SPOT



Luminous flux luminaire
661 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	7765	0.27
2	1941	0.54
3	863	0.81
4	485	1.08
5	311	1.35

3000K

05.2720.40
05.2721.40
05.2722.40
05.2723.40

05.2720.14
05.2721.14
05.2722.14
05.2723.14

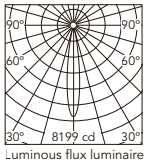
05.2721.ER
05.2723.ER

05.2721.ES
05.2724.ES

05.2721.EQ
05.2722.EQ

05.2721.TK
05.2722.TK

15° SPOT



Luminous flux luminaire
698 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8199	0.27
2	2050	0.54
3	911	0.81
4	512	1.08
5	328	1.35

4000K

05.2740.40
05.2741.40
05.2742.40
05.2743.40

05.2740.14
05.2741.14
05.2742.14
05.2743.14

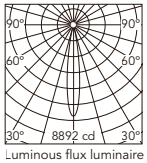
05.2741.ER
05.2743.ER

05.2741.ES
05.2744.ES

05.2741.EQ
05.2742.EQ

05.2741.TK
05.2742.TK

15° SPOT



Luminous flux luminaire
757 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	8892	0.27
2	2223	0.54
3	988	0.81
4	556	1.08
5	356	1.35

Optic Medium

E I

2700K

05.2705.40
05.2706.40
05.2707.40
05.2708.40

05.2705.14
05.2706.14
05.2707.14
05.2708.14

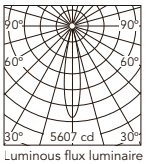
05.2706.ER
05.2708.ER

05.2706.ES
05.2709.ES

05.2706.EQ
05.2707.EQ

05.2706.TK
05.2707.TK

20° MEDIUM



Luminous flux luminaire
657 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5607	0.34
2	1402	0.69
3	623	1.03
4	350	1.38
5	224	1.72

3000K

05.2725.40
05.2726.40
05.2727.40
05.2728.40

05.2725.14
05.2726.14
05.2727.14
05.2728.14

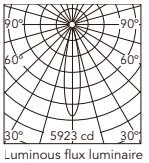
05.2726.ER
05.2728.ER

05.2726.ES
05.2729.ES

05.2726.EQ
05.2727.EQ

05.2726.TK
05.2727.TK

20° MEDIUM



Luminous flux luminaire
694 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5923	0.34
2	1481	0.69
3	658	1.03
4	370	1.38
5	237	1.72

4000K

05.2745.40
05.2746.40
05.2747.40
05.2748.40

05.2745.14
05.2746.14
05.2747.14
05.2748.14

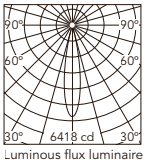
05.2746.ER
05.2748.ER

05.2746.ES
05.2749.ES

05.2746.EQ
05.2747.EQ

05.2746.TK
05.2747.TK

20° MEDIUM



Luminous flux luminaire
752 lm (EXTREME CUT OFF)
Internal Finish (I) · White

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	6418	0.34
2	1604	0.69
3	713	1.03
4	401	1.38
5	257	1.72

Optic Flood

E I

2700K

05.2710.40
05.2711.40
05.2712.40
05.2713.40

05.2710.14
05.2711.14
05.2712.14
05.2713.14

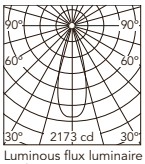
05.2711.ER
05.2713.ER

05.2711.ES
05.2714.ES

05.2711.EQ
05.2712.EQ

05.2711.TK
05.2712.TK

33°
FLOOD



Luminous flux luminaire
663 lm [EXTREME CUT OFF]
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2172	0.58
2	543	1.17
3	241	1.75
4	136	2.34
5	87	2.92

3000K

05.2730.40
05.2731.40
05.2732.40
05.2733.40

05.2730.14
05.2731.14
05.2732.14
05.2733.14

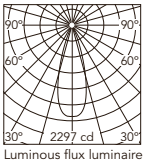
05.2731.ER
05.2733.ER

05.2731.ES
05.2734.ES

05.2731.EQ
05.2732.EQ

05.2731.TK
05.2732.TK

33°
FLOOD



Luminous flux luminaire
701 lm [EXTREME CUT OFF]
Internal Finish (I) · White

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2296	0.58
2	574	1.17
3	255	1.75
4	144	2.34
5	92	2.92

4000K

05.2750.40
05.2751.40
05.2752.40
05.2753.40

05.2750.14
05.2751.14
05.2752.14
05.2753.14

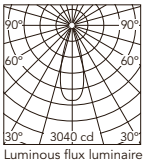
05.2751.ER
05.2753.ER

05.2751.ES
05.2754.ES

05.2751.EQ
05.2752.EQ

05.2751.TK
05.2752.TK

33°
FLOOD



Luminous flux luminaire
760 lm [EXTREME CUT OFF]
Internal Finish (I) · White

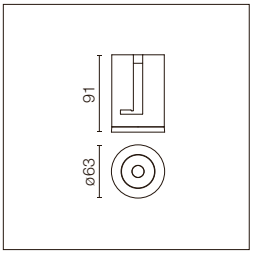
Beam Angle: 33°

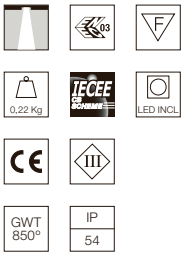
h(m)	E(lx)	D(m)
1	2490	0.58
2	622	1.17
3	277	1.75
4	156	2.34
5	100	2.92

Light Shadow PRO Ø60 Fixed

Light Source: LED Array DC Up to 400 mA 15W - 1402 lm - 2700K/CRI 90 / 15W - 1427 lm - 3000K/CRI 90 / 15W - 1577 lm - 4000K/CRI 90
LED Array DC 250 mA** 9.5W - 883 lm - 2700K/CRI 90 / 9.5W - 950 lm - 3000K/CRI 90 / 9.5W - 1009 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

**Please select 250 mA setting in the remote driver to match the power of the Adjustable version.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Seleccione la configuración de 250 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

Recommended power supply / Equipos recomendados*:

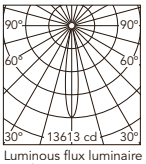
	250mA	400mA
Non Dimmable 220-240V	60.9160	60.7677
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9405	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.7678	60.7678
Dim Dali 2 110-240V	60.9222	60.9222
Dim Casambi	60.9874	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot

2700K
- 03.9950.40A
- 03.9950.14
- 03.9950.ER
- 03.9950.ES
- 03.9950.EQ

16° SPOT

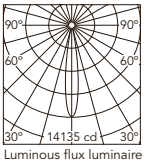


Luminous flux luminaire 1191 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	13613	0.27
2	3403	0.55
3	1513	0.82
4	850	1.09
5	544	1.36

3000K
- 03.9954.40A
- 03.9954.14
- 03.9954.ER
- 03.9954.ES
- 03.9954.EQ

16° SPOT

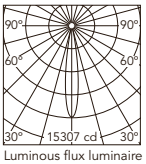


Luminous flux luminaire 1237 lm

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	14135	0.27
2	3533	0.55
3	1571	0.82
4	883	1.09
5	565	1.36

4000K
- 03.9910.40A
- 03.9910.14
- 03.9910.ER
- 03.9910.ES
- 03.9910.EQ

16° SPOT



Luminous flux luminaire 1339 lm

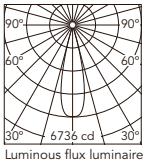
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	15307	0.27
2	3826	0.55
3	1701	0.82
4	956	1.09
5	612	1.36

Internal Finish (I) · White

Optic Medium

2700K
- 03.9951.40A
- 03.9951.14
- 03.9951.ER
- 03.9951.ES
- 03.9951.EQ

25° MEDIUM

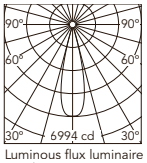


Luminous flux luminaire 1180 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	6736	0.45
2	1684	0.90
3	748	1.36
4	421	1.81
5	269	2.26

3000K
- 03.9955.40A
- 03.9955.14
- 03.9955.ER
- 03.9955.ES
- 03.9955.EQ

25° MEDIUM

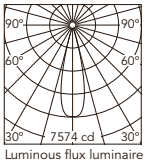


Luminous flux luminaire 1226 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	6994	0.45
2	1749	0.90
3	777	1.36
4	438	1.81
5	279	2.26

4000K
- 03.9911.40A
- 03.9911.14
- 03.9911.ER
- 03.9911.ES
- 03.9911.EQ

25° MEDIUM



Luminous flux luminaire 1327 lm

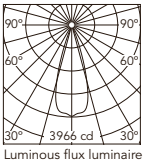
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	7574	0.45
2	1894	0.90
3	841	1.36
4	474	1.81
5	303	2.26

Internal Finish (I) · White

Optic Flood

2700K
- 03.9952.40A
- 03.9952.14
- 03.9952.ER
- 03.9952.ES
- 03.9952.EQ

34° FLOOD

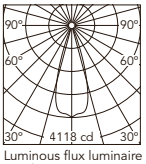


Luminous flux luminaire 1201 lm

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3966	0.61
2	992	1.22
3	441	1.83
4	247	2.44
5	158	3.05

3000K
- 03.9956.40A
- 03.9956.14
- 03.9956.ER
- 03.9956.ES
- 03.9956.EQ

34° FLOOD

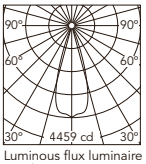


Luminous flux luminaire 1247 lm

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	4118	0.61
2	1030	1.22
3	458	1.83
4	257	2.44
5	165	3.05

4000K
- 03.9912.40A
- 03.9912.14
- 03.9912.ER
- 03.9912.ES
- 03.9912.EQ

34° FLOOD



Luminous flux luminaire 1350 lm

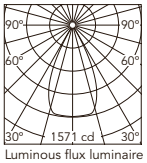
Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	4459	0.61
2	1115	1.22
3	495	1.83
4	278	2.44
5	178	3.05

Internal Finish (I) · White

Optic Wide Flood

2700K
- 03.9953.40A
- 03.9953.14
- 03.9953.ER
- 03.9953.ES
- 03.9953.EQ

51° WIDE FLOOD

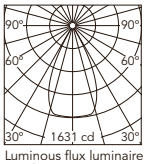


Luminous flux luminaire 1171 lm

Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	1571	0.95
2	393	1.89
3	174	2.84
4	98	3.79
5	63	4.74

3000K
- 03.9957.40A
- 03.9957.14
- 03.9957.ER
- 03.9957.ES
- 03.9957.EQ

51° WIDE FLOOD

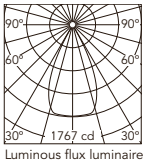


Luminous flux luminaire 1216 lm

Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	1631	0.95
2	408	1.89
3	181	2.84
4	102	3.79
5	66	4.74

4000K
- 03.9913.40A
- 03.9913.14
- 03.9913.ER
- 03.9913.ES
- 03.9913.EQ

51° WIDE FLOOD



Luminous flux luminaire 1316 lm

Beam Angle:	51°	
h(m)	E(lx)	D(m)
1	1767	0.95
2	442	1.89
3	196	2.84
4	111	3.79
5	71	4.74

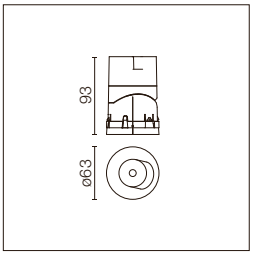
Internal Finish (I) · White

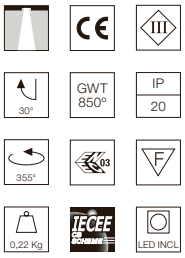
*Multipack available (36 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.9950.40A - M3.9950.40A
*Embalaje múltiple disponible (36 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.9950.40A - M3.9950.40A

Light Shadow PRO Ø60 Adjustable

Light Source: LED Array DC 800 mA 10,5W - 888 lm - 2700K/CRI 90 / 10,5W - 923 lm - 3000K/CRI 90 / 10,5W - 963 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos) con focos intercambiables. Driver remoto no incluido.

Recommended power supply / Equipos recomendados*:

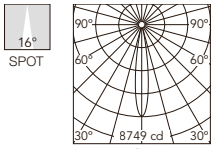
Non Dimmable 220-240V	60.7677
Mains Dimming	60.9467
Dim 1-10V 220-240V	60.9439
Dim 0/1-10V/Push 110-240V	60.9188
Dim Dali 2 220-240V	60.7678
Dim Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot

2700K

- 03.9971.40B
- 03.9971.14A
- 03.9971.ERA
- 03.9971.ESA
- 03.9971.EQA



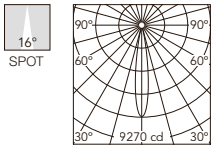
Luminous flux luminaire 722 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	8749	0.28
2	2187	0.55
3	972	0.83
4	547	1.11
5	350	1.39

3000K

- 03.9976.40B
- 03.9976.14A
- 03.9976.ERA
- 03.9976.ESA
- 03.9976.EQA



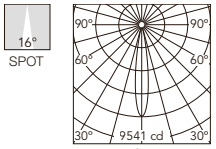
Luminous flux luminaire 765 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	9270	0.28
2	2317	0.55
3	1030	0.83
4	579	1.11
5	371	1.39

4000K

- 03.9931.40B
- 03.9931.14A
- 03.9931.ERA
- 03.9931.ESA
- 03.9931.EQA



Luminous flux luminaire 787 lm

Beam Angle: 16°

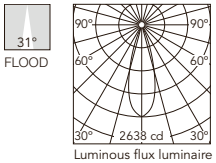
h(m)	E(lx)	D(m)
1	9541	0.28
2	2385	0.55
3	1060	0.83
4	596	1.11
5	382	1.39

Internal Finish (I) · White

Optic Flood

2700K

- 03.9973.40B
- 03.9973.14A
- 03.9973.ERA
- 03.9973.ESA
- 03.9973.EQA



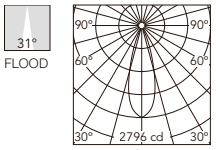
Luminous flux luminaire 738 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2638	0.56
2	659	1.11
3	293	1.67
4	165	2.23
5	106	2.79

3000K

- 03.9978.40B
- 03.9978.14A
- 03.9978.ERA
- 03.9978.ESA
- 03.9978.EQA



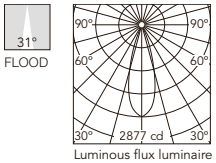
Luminous flux luminaire 782 lm

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	2796	0.56
2	699	1.11
3	311	1.67
4	174	2.23
5	112	2.79

4000K

- 03.9933.40B
- 03.9933.14A
- 03.9933.ERA
- 03.9933.ESA
- 03.9933.EQA



Luminous flux luminaire 805 lm

Beam Angle: 31°

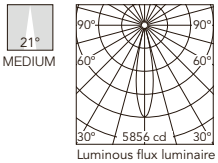
h(m)	E(lx)	D(m)
1	2877	0.56
2	719	1.11
3	320	1.67
4	180	2.23
5	115	2.79

Internal Finish (I) · White

Optic Medium

2700K

- 03.9972.40B
- 03.9972.14A
- 03.9972.ERA
- 03.9972.ESA
- 03.9972.EQA



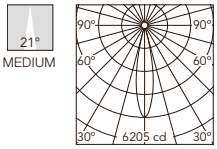
Luminous flux luminaire 728 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5856	0.37
2	1464	0.73
3	651	1.10
4	366	1.47
5	234	1.83

3000K

- 03.9977.40B
- 03.9977.14A
- 03.9977.ERA
- 03.9977.ESA
- 03.9977.EQA



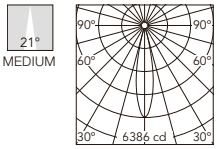
Luminous flux luminaire 771 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6205	0.37
2	1552	0.73
3	689	1.10
4	388	1.47
5	248	1.83

4000K

- 03.9932.40B
- 03.9932.14A
- 03.9932.ERA
- 03.9932.ESA
- 03.9932.EQA



Luminous flux luminaire 794 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6386	0.37
2	1597	0.73
3	710	1.10
4	399	1.47
5	256	1.83

Internal Finish (I) · White

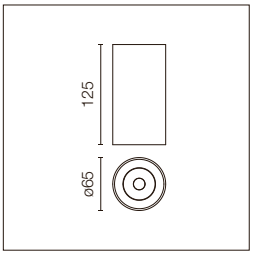
*Multipack available (36 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.9971.40B - M3.9971.40B

*Embalaje múltiple disponible (36 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.9971.40B - M3.9971.40B

Light Shadow PRO Ø60 Surface

Light Source: LED Array DC Up to 300 mA 15W - 1185 lm - 2700K/CRI 90 / 15W - 1275 lm - 3000K/CRI 90 / 15W - 1355 lm - 4000K/CRI 90







Luminaire for surface installation. Integrated 220-240 V power supply. For dimmable versions, please refer to the recommended dimmers. IP54 watertightness.

Luminaria para instalación en superficie. Fuente de alimentación 220-240V integrada. Para las versiones regulables, consultar los dimmers recomendados. Estanqueidad IP54.

E= External finish
I= Internal finish

E= Acabado exterior
I= Acabado interior

Non Dimmable

Optic Spot - 2700K

E I

05.2600.40
05.2601.40
05.2602.40
05.2603.40

05.2600.14
05.2601.14
05.2602.14
05.2603.14

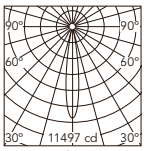
05.2601.ER
05.2603.ER

05.2601.ES
05.2604.ES

05.2601.EQ
05.2602.EQ

05.2601.TK
05.2602.TK

16° SPOT



Luminous flux luminaire 1006 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11497	0.27
2	2874	0.55
3	1277	0.82
4	719	1.09
5	460	1.36

Optic Spot - 3000K

05.2620.40
05.2621.40
05.2622.40
05.2623.40

05.2620.14
05.2621.14
05.2622.14
05.2623.14

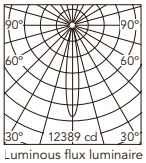
05.2621.ER
05.2623.ER

05.2621.ES
05.2624.ES

05.2621.EQ
05.2622.EQ

05.2621.TK
05.2622.TK

16° SPOT



Luminous flux luminaire 1084 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12389	0.27
2	3097	0.55
3	1377	0.82
4	774	1.09
5	496	1.36

Optic Spot - 4000K

05.2640.40
05.2641.40
05.2642.40
05.2643.40

05.2640.14
05.2641.14
05.2642.14
05.2643.14

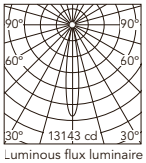
05.2641.ER
05.2643.ER

05.2641.ES
05.2644.ES

05.2641.EQ
05.2642.EQ

05.2641.TK
05.2642.TK

16° SPOT



Luminous flux luminaire 1150 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13143	0.27
2	3286	0.55
3	1460	0.82
4	821	1.09
5	526	1.36

Mains Dimming

Optic Spot -2700K

E I

05.2600.40.NI
05.2601.40.NI
05.2602.40.NI
05.2603.40.NI

05.2600.14.NI
05.2601.14.NI
05.2602.14.NI
05.2603.14.NI

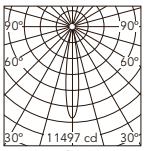
05.2601.ER.NI
05.2603.ER.NI

05.2601.ES.NI
05.2604.ES.NI

05.2601.EQ.NI
05.2602.EQ.NI

05.2601.TK.NI
05.2602.TK.NI

16° SPOT



Luminous flux luminaire 1006 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11497	0.27
2	2874	0.55
3	1277	0.82
4	719	1.09
5	460	1.36

Optic Spot - 3000K

05.2620.40.NI
05.2621.40.NI
05.2622.40.NI
05.2623.40.NI

05.2620.14.NI
05.2621.14.NI
05.2622.14.NI
05.2623.14.NI

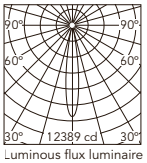
05.2621.ER.NI
05.2623.ER.NI

05.2621.ES.NI
05.2624.ES.NI

05.2621.EQ.NI
05.2622.EQ.NI

05.2621.TK.NI
05.2622.TK.NI

16° SPOT



Luminous flux luminaire 1084 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12389	0.27
2	3097	0.55
3	1377	0.82
4	774	1.09
5	496	1.36

Optic Spot - 4000K

05.2640.40.NI
05.2641.40.NI
05.2642.40.NI
05.2643.40.NI

05.2640.14.NI
05.2641.14.NI
05.2642.14.NI
05.2643.14.NI

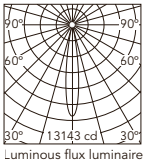
05.2641.ER.NI
05.2643.ER.NI

05.2641.ES.NI
05.2644.ES.NI

05.2641.EQ.NI
05.2642.EQ.NI

05.2641.TK.NI
05.2642.TK.NI

16° SPOT



Luminous flux luminaire 1150 lm
Internal Finish (I) · White

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13143	0.27
2	3286	0.55
3	1460	0.82
4	821	1.09
5	526	1.36

Non Dimmable

Optic Medium - 2700K

E I

05.2605.40
05.2606.40
05.2607.40
05.2608.40

05.2605.14
05.2606.14
05.2607.14
05.2608.14

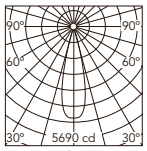
05.2606.ER
05.2608.ER

05.2606.ES
05.2609.ES

05.2606.EQ
05.2607.EQ

05.2606.TK
05.2607.TK

25°
MEDIUM



Luminous flux luminaire
997 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5690	0.45
2	1422	0.90
3	632	1.36
4	356	1.81
5	228	2.26

Optic Medium - 3000K

05.2625.40
05.2626.40
05.2627.40
05.2628.40

05.2625.14
05.2626.14
05.2627.14
05.2628.14

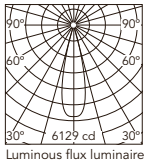
05.2626.ER
05.2628.ER

05.2626.ES
05.2629.ES

05.2626.EQ
05.2627.EQ

05.2626.TK
05.2627.TK

25°
MEDIUM



Luminous flux luminaire
1074 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6129	0.45
2	1532	0.90
3	681	1.36
4	383	1.81
5	245	2.26

Optic Medium - 4000K

05.2645.40
05.2646.40
05.2647.40
05.2648.40

05.2645.14
05.2646.14
05.2647.14
05.2648.14

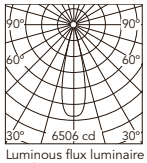
05.2646.ER
05.2648.ER

05.2646.ES
05.2649.ES

05.2646.EQ
05.2647.EQ

05.2646.TK
05.2647.TK

25°
MEDIUM



Luminous flux luminaire
1140 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6506	0.45
2	1626	0.90
3	723	1.36
4	407	1.81
5	260	2.26

Mains Dimming

Optic Medium - 2700K

E I

05.2605.40.NI
05.2606.40.NI
05.2607.40.NI
05.2608.40.NI

05.2605.14.NI
05.2606.14.NI
05.2607.14.NI
05.2608.14.NI

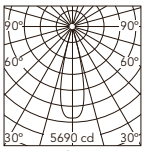
05.2606.ER.NI
05.2608.ER.NI

05.2606.ES.NI
05.2609.ES.NI

05.2606.EQ.NI
05.2607.EQ.NI

05.2606.TK.NI
05.2607.TK.NI

25°
MEDIUM



Luminous flux luminaire
997 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5690	0.45
2	1422	0.90
3	632	1.36
4	356	1.81
5	228	2.26

Optic Medium - 3000K

05.2625.40.NI
05.2626.40.NI
05.2627.40.NI
05.2628.40.NI

05.2625.14.NI
05.2626.14.NI
05.2627.14.NI
05.2628.14.NI

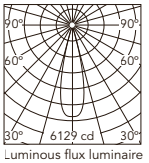
05.2626.ER.NI
05.2628.ER.NI

05.2626.ES.NI
05.2629.ES.NI

05.2626.EQ.NI
05.2627.EQ.NI

05.2626.TK.NI
05.2627.TK.NI

25°
MEDIUM



Luminous flux luminaire
1074 lm
Internal Finish (I) · White

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6129	0.45
2	1532	0.90
3	681	1.36
4	383	1.81
5	245	2.26

Optic Medium - 4000K

05.2645.40.NI
05.2646.40.NI
05.2647.40.NI
05.2648.40.NI

05.2645.14.NI
05.2646.14.NI
05.2647.14.NI
05.2648.14.NI

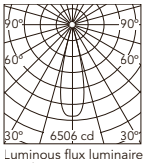
05.2646.ER.NI
05.2648.ER.NI

05.2646.ES.NI
05.2649.ES.NI

05.2646.EQ.NI
05.2647.EQ.NI

05.2646.TK.NI
05.2647.TK.NI

25°
MEDIUM



Luminous flux luminaire
1140 lm
Internal Finish (I) · White

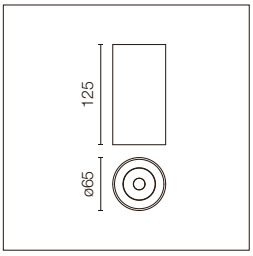
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	6506	0.45
2	1626	0.90
3	723	1.36
4	407	1.81
5	260	2.26

Light Shadow PRO Ø60 Surface

Light Source: LED Array DC Up to 300 mA 15W - 1185 lm - 2700K/CRI 90 / 15W - 1275 lm - 3000K/CRI 90 / 15W - 1355 lm - 4000K/CRI 90







Luminaire for surface installation. Integrated 220-240 V power supply. For dimmable versions, please refer to the recommended dimmers. IP54 watertightness.

Luminaria para instalación en superficie. Fuente de alimentación 220-240V integrada. Para las versiones regulables, consultar los dimmers recomendados. Estanqueidad IP54.

E= External finish
I= Internal finish

E= Acabado exterior
I= Acabado interior

Non Dimmable

Optic Flood - 2700K

E I

05.2610.40
05.2611.40
05.2612.40
05.2613.40

05.2610.14
05.2611.14
05.2612.14
05.2613.14

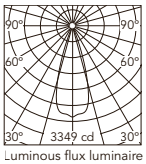
05.2611.ER
05.2613.ER

05.2611.ES
05.2614.ES

05.2611.EQ
05.2612.EQ

05.2611.TK
05.2612.TK

34° FLOOD



Luminous flux luminaire 1014 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3349	0.61
2	837	1.22
3	372	1.83
4	209	2.44
5	134	3.05

Optic Flood - 3000K

05.2630.40
05.2631.40
05.2632.40
05.2633.40

05.2630.14
05.2631.14
05.2632.14
05.2633.14

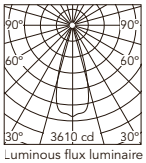
05.2631.ER
05.2633.ER

05.2631.ES
05.2634.ES

05.2631.EQ
05.2632.EQ

05.2631.TK
05.2632.TK

34° FLOOD



Luminous flux luminaire 1093 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3610	0.61
2	903	1.22
3	401	1.83
4	226	2.44
5	144	3.05

Optic Flood - 4000K

05.2650.40
05.2651.40
05.2652.40
05.2653.40

05.2650.14
05.2651.14
05.2652.14
05.2653.14

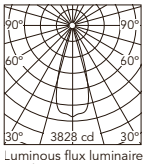
05.2651.ER
05.2653.ER

05.2651.ES
05.2654.ES

05.2651.EQ
05.2652.EQ

05.2651.TK
05.2652.TK

34° FLOOD



Luminous flux luminaire 1159 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3828	0.61
2	957	1.22
3	425	1.83
4	239	2.44
5	153	3.05

Mains Dimming

Optic Flood - 2700K

E I

05.2610.40.NI
05.2611.40.NI
05.2612.40.NI
05.2613.40.NI

05.2610.14.NI
05.2611.14.NI
05.2612.14.NI
05.2613.14.NI

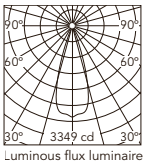
05.2611.ER.NI
05.2613.ER.NI

05.2611.ES.NI
05.2614.ES.NI

05.2611.EQ.NI
05.2612.EQ.NI

05.2611.TK.NI
05.2612.TK.NI

34° FLOOD



Luminous flux luminaire 1014 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3349	0.61
2	837	1.22
3	372	1.83
4	209	2.44
5	134	3.05

Optic Flood - 3000K

05.2630.40.NI
05.2631.40.NI
05.2632.40.NI
05.2633.40.NI

05.2630.14.NI
05.2631.14.NI
05.2632.14.NI
05.2633.14.NI

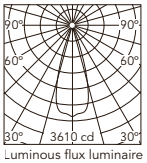
05.2631.ER.NI
05.2633.ER.NI

05.2631.ES.NI
05.2634.ES.NI

05.2631.EQ.NI
05.2632.EQ.NI

05.2631.TK.NI
05.2632.TK.NI

34° FLOOD



Luminous flux luminaire 1093 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3610	0.61
2	903	1.22
3	401	1.83
4	226	2.44
5	144	3.05

Optic Flood - 4000K

05.2650.40.NI
05.2651.40.NI
05.2652.40.NI
05.2653.40.NI

05.2650.14.NI
05.2651.14.NI
05.2652.14.NI
05.2653.14.NI

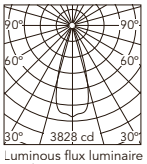
05.2651.ER.NI
05.2653.ER.NI

05.2651.ES.NI
05.2654.ES.NI

05.2651.EQ.NI
05.2652.EQ.NI

05.2651.TK.NI
05.2652.TK.NI

34° FLOOD



Luminous flux luminaire 1159 lm
Internal Finish (I) · White

Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	3828	0.61
2	957	1.22
3	425	1.83
4	239	2.44
5	153	3.05

Non Dimmable

Optic Wide Flood - 2700K

E I

05.2615.40
05.2616.40
05.2617.40
05.2618.40

05.2615.14
05.2616.14
05.2617.14
05.2618.14

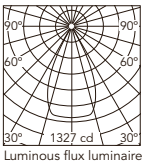
05.2616.ER
05.2618.ER

05.2616.ES
05.2619.ES

05.2616.EQ
05.2617.EQ

05.2616.TK
05.2617.TK

51°
WIDE FLOOD



Luminous flux luminaire
989 lm
Internal Finish (I) · White

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1327	0.95
2	332	1.89
3	147	2.84
4	83	3.79
5	53	4.74

Optic Wide Flood - 3000K

05.2635.40
05.2636.40
05.2637.40
05.2638.40

05.2635.14
05.2636.14
05.2637.14
05.2638.14

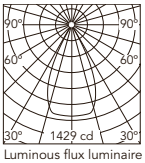
05.2636.ER
05.2638.ER

05.2636.ES
05.2639.ES

05.2636.EQ
05.2637.EQ

05.2636.TK
05.2637.TK

51°
WIDE FLOOD



Luminous flux luminaire
1065 lm
Internal Finish (I) · White

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1429	0.95
2	357	1.89
3	159	2.84
4	89	3.79
5	57	4.74

Optic Wide Flood - 4000K

05.2655.40
05.2656.40
05.2657.40
05.2658.40

05.2655.14
05.2656.14
05.2657.14
05.2658.14

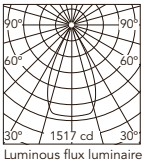
05.2656.ER
05.2658.ER

05.2656.ES
05.2659.ES

05.2656.EQ
05.2657.EQ

05.2656.TK
05.2657.TK

51°
WIDE FLOOD



Luminous flux luminaire
1130 lm
Internal Finish (I) · White

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1517	0.95
2	379	1.89
3	169	2.84
4	95	3.79
5	61	4.74

Mains Dimming

Optic Wide Flood - 2700K

E I

05.2615.40.NI
05.2616.40.NI
05.2617.40.NI
05.2618.40.NI

05.2615.14.NI
05.2616.14.NI
05.2617.14.NI
05.2618.14.NI

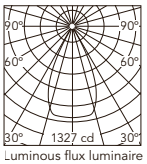
05.2616.ER.NI
05.2618.ER.NI

05.2616.ES.NI
05.2619.ES.NI

05.2616.EQ.NI
05.2617.EQ.NI

05.2616.TK.NI
05.2617.TK.NI

51°
WIDE FLOOD



Luminous flux luminaire
989 lm
Internal Finish (I) · White

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1327	0.95
2	332	1.89
3	147	2.84
4	83	3.79
5	53	4.74

Optic Wide Flood - 3000K

05.2635.40.NI
05.2636.40.NI
05.2637.40.NI
05.2638.40.NI

05.2635.14.NI
05.2636.14.NI
05.2637.14.NI
05.2638.14.NI

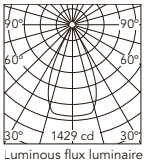
05.2636.ER.NI
05.2638.ER.NI

05.2636.ES.NI
05.2639.ES.NI

05.2636.EQ.NI
05.2637.EQ.NI

05.2636.TK.NI
05.2637.TK.NI

51°
WIDE FLOOD



Luminous flux luminaire
1065 lm
Internal Finish (I) · White

Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1429	0.95
2	357	1.89
3	159	2.84
4	89	3.79
5	57	4.74

Optic Wide Flood - 4000K

05.2655.40.NI
05.2656.40.NI
05.2657.40.NI
05.2658.40.NI

05.2655.14.NI
05.2656.14.NI
05.2657.14.NI
05.2658.14.NI

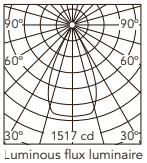
05.2656.ER.NI
05.2658.ER.NI

05.2656.ES.NI
05.2659.ES.NI

05.2656.EQ.NI
05.2657.EQ.NI

05.2656.TK.NI
05.2657.TK.NI

51°
WIDE FLOOD



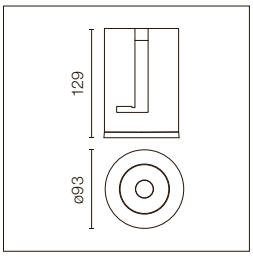
Luminous flux luminaire
1130 lm
Internal Finish (I) · White

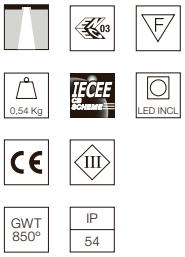
Beam Angle:		51°
h(m)	E(lx)	D(m)
1	1517	0.95
2	379	1.89
3	169	2.84
4	95	3.79
5	61	4.74

Light Shadow PRO Ø90 Fixed

Light Source: Super Spot: LED Array DC 500 mA 18W - 1636 lm - 2700K/CRI 90 / 18W - 1723 lm - 3000K/CRI 90 / 18W - 1815 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 600 mA 22W - 2191 lm - 2700K/CRI 90 / 22W - 2339 lm - 3000K/CRI 90 / 22W - 2457 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 500 mA** 18W - 1803 lm - 2700K/CRI 90 / 18W - 1921 lm - 3000K/CRI 90 / 18W - 2057 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

**Please select 500 mA setting in the remote driver to match the power of the Adjustable version.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Seleccione la configuración de 500 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

Recommended power supply / Equipos recomendados*:

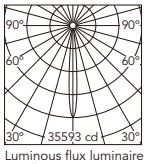
	500mA	600mA
Non Dimmable 220-240V	60.7677	60.7677
Non Dimmable 110-240V	60.9387	60.9387
Mains Dimming	60.9467	60.9692
Dim 1-10V 220-240V	60.9439	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.8533
Dim Dali 2 220-240V	60.7678	60.7678
Dim Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Super Spot

2700K
03.9968.40A
03.9968.14
03.9968.ER
03.9968.ES
03.9968.EQ

10° SUPER SPOT

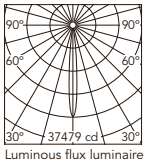


Luminous flux luminaire 1300 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	35593	0.17
2	8898	0.34
3	3955	0.51
4	2225	0.67
5	1424	0.84

3000K
03.9969.40A
03.9969.14
03.9969.ER
03.9969.ES
03.9969.EQ

10° SUPER SPOT

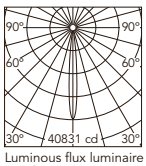


Luminous flux luminaire 1368 lm

Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	37479	0.17
2	9370	0.34
3	4164	0.51
4	2342	0.67
5	1499	0.84

4000K
03.9924.40A
03.9924.14
03.9924.ER
03.9924.ES
03.9924.EQ

10° SUPER SPOT



Luminous flux luminaire 1491 lm

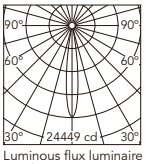
Beam Angle: 10°		
h(m)	E(lx)	D(m)
1	40831	0.17
2	10208	0.34
3	4537	0.51
4	2552	0.67
5	1633	0.84

Internal Finish (I) · White

Optic Spot

2700K
03.9960.40A
03.9960.14
03.9960.ER
03.9960.ES
03.9960.EQ

14° SPOT

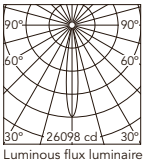


Luminous flux luminaire 1786 lm

Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	24449	0.25
2	6112	0.50
3	2717	0.75
4	1528	1.00
5	978	1.25

3000K
03.9964.40A
03.9964.14
03.9964.ER
03.9964.ES
03.9964.EQ

14° SPOT

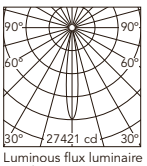


Luminous flux luminaire 1906 lm

Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	26098	0.25
2	6524	0.50
3	2900	0.75
4	1631	1.00
5	1044	1.25

4000K
03.9920.40A
03.9920.14
03.9920.ER
03.9920.ES
03.9920.EQ

14° SPOT



Luminous flux luminaire 2003 lm

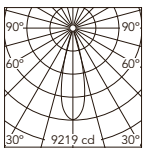
Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	27421	0.25
2	6855	0.50
3	3047	0.75
4	1714	1.00
5	1097	1.25

Internal Finish (I) · White

Optic Medium

2700K
03.9961.40A
03.9961.14
03.9961.ER
03.9961.ES
03.9961.EQ

27° MEDIUM

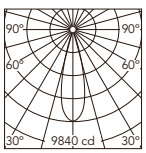


Luminous flux luminaire 1814 lm

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	9219	0.48
2	2305	0.95
3	1024	1.43
4	576	1.90
5	369	2.38

3000K
03.9965.40A
03.9965.14
03.9965.ER
03.9965.ES
03.9965.EQ

27° MEDIUM

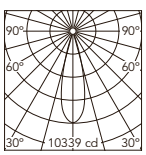


Luminous flux luminaire 1936 lm

Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	9840	0.48
2	2460	0.95
3	1093	1.43
4	615	1.90
5	394	2.38

4000K
03.9921.40A
03.9921.14
03.9921.ER
03.9921.ES
03.9921.EQ

27° MEDIUM



Luminous flux luminaire 2034 lm

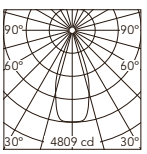
Beam Angle: 27°		
h(m)	E(lx)	D(m)
1	10339	0.48
2	2585	0.95
3	1149	1.43
4	646	1.90
5	414	2.38

Internal Finish (I) · White

Optic Flood

2700K
03.9962.40A
03.9962.14
03.9962.ER
03.9962.ES
03.9962.EQ

39° FLOOD

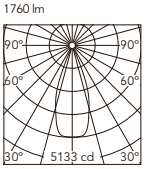


Luminous flux luminaire 1760 lm

Beam Angle: 39°		
h(m)	E(lx)	D(m)
1	4809	0.71
2	1202	1.42
3	534	2.13
4	301	2.85
5	192	3.56

3000K
03.9966.40A
03.9966.14
03.9966.ER
03.9966.ES
03.9966.EQ

39° FLOOD

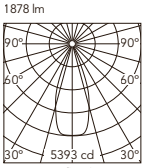


Luminous flux luminaire 1878 lm

Beam Angle: 39°		
h(m)	E(lx)	D(m)
1	5133	0.71
2	1283	1.42
3	570	2.13
4	321	2.85
5	205	3.56

4000K
03.9922.40A
03.9922.14
03.9922.ER
03.9922.ES
03.9922.EQ

39° FLOOD



Luminous flux luminaire 1974 lm

Beam Angle: 39°		
h(m)	E(lx)	D(m)
1	5393	0.71
2	1348	1.42
3	599	2.13
4	337	2.85
5	216	3.56

Internal Finish (I) · White

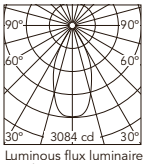
Optic Wide Flood

2700K

03.9963.40A
03.9963.14
03.9963.ER
03.9963.ES
03.9963.EQ



WIDE FLOOD



Luminous flux luminaire
1872 lm

Beam Angle: 48°

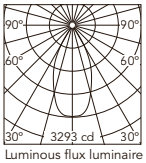
h(m)	E(lx)	D(m)
1	3084	0.89
2	771	1.79
3	343	2.68
4	193	3.58
5	123	4.47

3000K

03.9967.40A
03.9967.14
03.9967.ER
03.9967.ES
03.9967.EQ



WIDE FLOOD



Luminous flux luminaire
1999 lm

Beam Angle: 48°

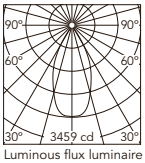
h(m)	E(lx)	D(m)
1	3293	0.89
2	823	1.79
3	366	2.68
4	206	3.58
5	132	4.47

4000K

03.9923.40A
03.9923.14
03.9923.ER
03.9923.ES
03.9923.EQ



WIDE FLOOD



Luminous flux luminaire
2100 lm

Beam Angle: 48°

h(m)	E(lx)	D(m)
1	3459	0.89
2	865	1.79
3	384	2.68
4	216	3.58
5	138	4.47

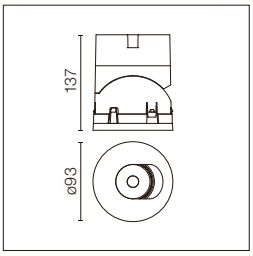
Internal Finish (I) · White

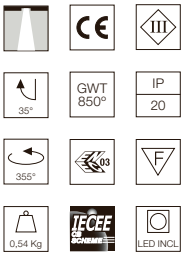
*Multipack available (24 pcs per box). How to order: “Replace the initial 0 with an M + reference”. Example: 03.9968.40A - M3.9968.40A
*Embalaje múltiple disponible (24 unidades por caja). Cómo hacer el pedido: “Sustituir el 0 inicial por una M + referencia”. Ejemplo: 03.9968.40A - M3.9968.40A

Light Shadow PRO Ø90 Adjustable

Light Source: Super Spot: LED Array DC 800 mA 10W - 870 lm - 2700K/CRI 90 / 10W - 914 lm - 3000K/CRI 90 / 10W - 949 lm - 4000K/CRI 90
S/M/F: LED Array DC 500 mA 18W - 1637 lm - 2700K/CRI 90 / 18W - 1722 lm - 3000K/CRI 90 / 18W - 1877 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos) con focos intercambiables. Driver remoto no incluido.

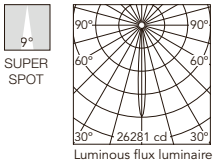
Recommended power supply / Equipos recomendados*:

	500mA 18W	800mA 10W
Non Dimmable 220-240V	60.7677	60.7677
Mains Dimming	60.9467	60.9467
Dim 1-10V 220-240V	60.9439	60.9439
Dim 0/1-10V/Push 110-240V	60.9188	60.9188
Dim Dali 2 220-240V	60.7678	60.7678
Dim Dali 2 110-240V	60.9222	
Dim Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Super Spot

2700K
- 03.9980.40A
- 03.9980.14
- 03.9980.ER
- 03.9980.ES
- 03.9980.EQ

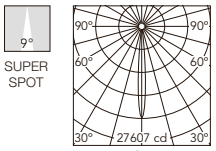


Luminous flux luminaire 770 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	26281	0.16
2	6570	0.31
3	2920	0.47
4	1643	0.62
5	1051	0.78

3000K
- 03.9985.40A
- 03.9985.14
- 03.9985.ER
- 03.9985.ES
- 03.9985.EQ

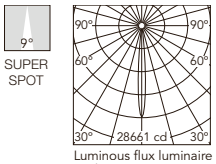


Luminous flux luminaire 808 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	27607	0.16
2	6902	0.31
3	3067	0.47
4	1725	0.62
5	1104	0.78

4000K
- 03.9940.40A
- 03.9940.14
- 03.9940.ER
- 03.9940.ES
- 03.9940.EQ



Luminous flux luminaire 839 lm

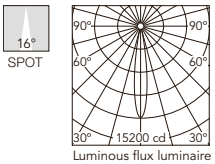
Beam Angle: 9°

h(m)	E(lx)	D(m)
1	28661	0.16
2	7165	0.31
3	3185	0.47
4	1791	0.62
5	1146	0.78

Internal Finish (I) · White

Optic Spot

2700K
- 03.9981.40A
- 03.9981.14
- 03.9981.ER
- 03.9981.ES
- 03.9981.EQ

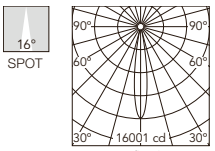


Luminous flux luminaire 1327 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	15200	0.27
2	3800	0.54
3	1689	0.82
4	950	1.09
5	608	1.36

3000K
- 03.9986.40A
- 03.9986.14
- 03.9986.ER
- 03.9986.ES
- 03.9986.EQ

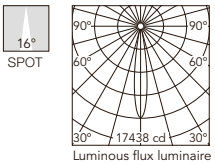


Luminous flux luminaire 1397 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	16001	0.27
2	4000	0.54
3	1778	0.82
4	1000	1.09
5	640	1.36

4000K
- 03.9941.40A
- 03.9941.14
- 03.9941.ER
- 03.9941.ES
- 03.9941.EQ



Luminous flux luminaire 1522 lm

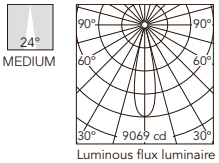
Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17438	0.27
2	4359	0.54
3	1938	0.82
4	1090	1.09
5	698	1.36

Internal Finish (I) · White

Optic Medium

2700K
- 03.9982.40A
- 03.9982.14
- 03.9982.ER
- 03.9982.ES
- 03.9982.EQ

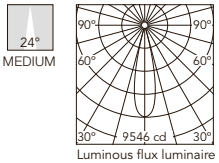


Luminous flux luminaire 1334 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9069	0.42
2	2267	0.83
3	1008	1.25
4	567	1.67
5	363	2.09

3000K
- 03.9987.40A
- 03.9987.14
- 03.9987.ER
- 03.9987.ES
- 03.9987.EQ

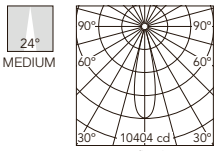


Luminous flux luminaire 1404 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9546	0.42
2	2386	0.83
3	1061	1.25
4	597	1.67
5	382	2.09

4000K
- 03.9942.40A
- 03.9942.14
- 03.9942.ER
- 03.9942.ES
- 03.9942.EQ



Luminous flux luminaire 1530 lm

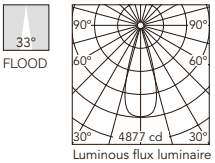
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	10404	0.42
2	2601	0.83
3	1156	1.25
4	650	1.67
5	416	2.09

Internal Finish (I) · White

Optic Flood

2700K
- 03.9983.40A
- 03.9983.14
- 03.9983.ER
- 03.9983.ES
- 03.9983.EQ

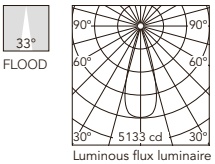


Luminous flux luminaire 1404 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	4877	0.60
2	1219	1.19
3	542	1.79
4	305	2.39
5	195	2.98

3000K
- 03.9988.40A
- 03.9988.14
- 03.9988.ER
- 03.9988.ES
- 03.9988.EQ

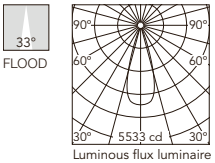


Luminous flux luminaire 1478 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5133	0.60
2	1283	1.19
3	570	1.79
4	321	2.39
5	205	2.98

4000K
- 03.9943.40A
- 03.9943.14
- 03.9943.ER
- 03.9943.ES
- 03.9943.EQ



Luminous flux luminaire 1593 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5533	0.60
2	1383	1.19
3	615	1.79
4	346	2.39
5	221	2.98

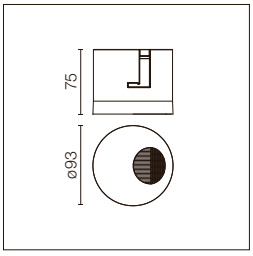
Internal Finish (I) · White

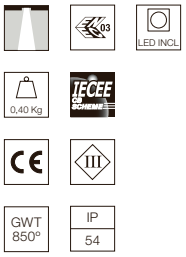
*Multipack available (24 pcs per box). How to order: "Replace the initial 0 with an M + reference". Example: 03.9980.40A - M3.9980.40A
*Embalaje múltiple disponible (24 unidades por caja). Cómo hacer el pedido: "Sustituir el 0 inicial por una M + referencia". Ejemplo: 03.9980.40A - M3.9980.40A

Light Shadow PRO Ø90 Wall-Washer

Light Source: LED Array DC 500 mA 18W - 1593 lm - 2700K/CRI 90 / 18W - 1752 lm - 3000K/CRI 90 / 18W - 1867 lm - 4000K/CRI 90







LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

Recommended power supply / Equipos recomendados*:

Non Dimmable 100-277V 31W	60.9387
Non Dimmable 220-240V 22W	60.9160
Non Dimmable 220-240V 42W	60.7677
Dim Dali 2 220-240V 38W	60.7678
Dim Dali 2 110-240V 20W	60.9222
Dim 1-10V/Push 110-240V	60.9208
Dim 1-10V	60.9843
Phase cut DIM	60.9467
Dim Casambi/Push	60.9716

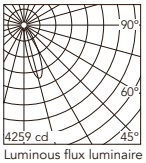
* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Medium

2700K

- 03.9890.40
- 03.9890.14
- 03.9890.ER
- 03.9890.ES
- 03.9890.EQ





Luminous flux luminaire
1216 lm

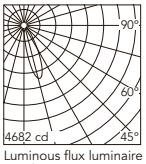
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	3773	0.47
2	943	0.94
3	419	1.41
4	236	1.88
5	151	2.34

3000K

- 03.9891.40
- 03.9891.14
- 03.9891.ER
- 03.9891.ES
- 03.9891.EQ





Luminous flux luminaire
1336 lm

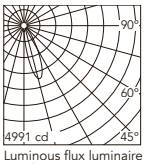
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	4147	0.47
2	1037	0.94
3	461	1.41
4	259	1.88
5	166	2.34

4000K

- 03.9892.40
- 03.9892.14
- 03.9892.ER
- 03.9892.ES
- 03.9892.EQ





Luminous flux luminaire
1425 lm

Beam Angle: 24°

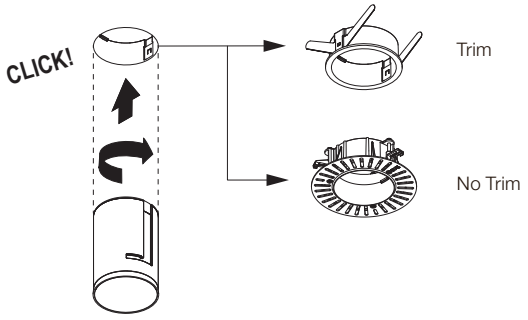
h(m)	E(lx)	D(m)
1	4421	0.47
2	1105	0.94
3	491	1.41
4	276	1.88
5	177	2.34

Internal Finish (I) · White

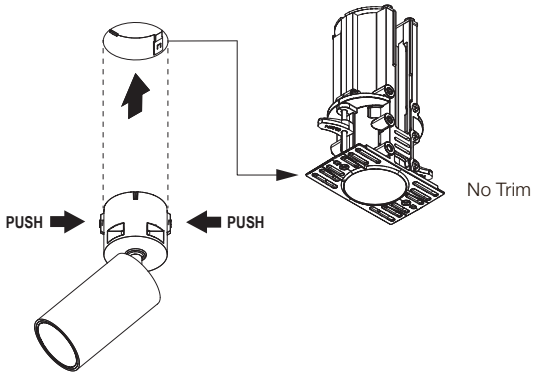
NEW

HOW TO ORDER LIGHT SHADOW PRO

Fixed, Adjustable & Wall-Washer



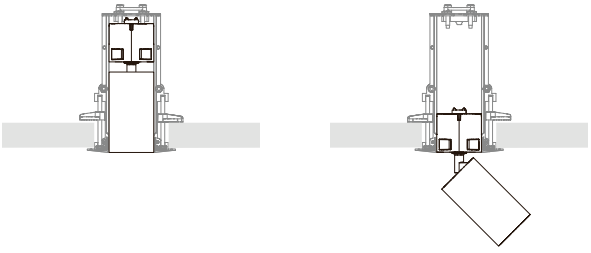
Push



Pro Push - Functionality and Positioning

Light Shadow Push can be placed in top position, functioning as a downlight (perfectly flush to ceiling), or in bottom position, functioning as an adjustable spotlight.

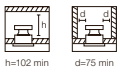
Light Shadow Push puede colocarse en posición superior -funcionando como un downlight (perfectamente enrasado a techo)-, o en posición inferior -funcionado como un proyector orientable-.



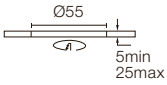
NEW

Accessories Ø45 / Accesorios Ø45

Frame Trim Ø45.



Marco de Instalación Trim Ø45.

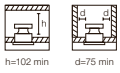




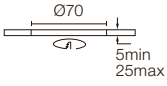


Fixed
08.0360.40
08.0360.14

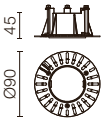
Frame No Trim Ø45.



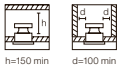
Marco de Instalación No Trim Ø45.

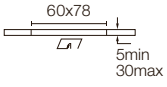




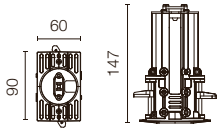


Fixed
08.0361.00





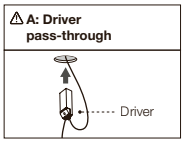


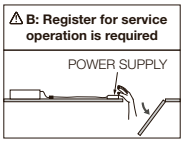


Push
08.0757.00

Drivers for Serial Connection / Equipos para Conexión en Serie*

Driver	DIM Protocol	Min-Max Spot(s) per Driver	⚠
60.8529A	Non Dimmable 100-240V 12W	1 - 1	A** - B**
60.9387	Non Dimmable 100-277V 31W	1 - 3	B
60.9592	Non Dimmable 220-240V 32W	1 - 3	B
60.7677	Non Dimmable 220-240V 42W	1 - 3	B
60.7678	Dim Dali 2 220-240V 38W	1 - 3	B
60.9713.0700	Dim Dali 2 220-240V 20W	1 - 2	B
60.9208	Dim 1-10V/Push 110-240V	1 - 2	B
60.9845	Dim 1-10V	1 - 3	B
60.9467	Mains Dimming 220-240V 20W	1 - 2	B
60.9692	Mains Dimming 220-240V 30W	1 - 3	B
60.9716	Dim Casambi/Push	1 - 2	B





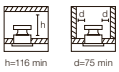
* Refer to the Drivers chapter / Ver capítulo Drivers

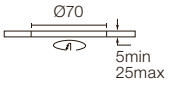
** Driver pass-throught for Fixed model.
Register for service operation is required for Push model. /
Driver pasante para el modelo Fixed.
Para el driver del modelo Push es necesaria una caja de registro.

Accessories Ø60 / Accesorios Ø60

Frame Trim Ø60.

Marco de Instalación Trim Ø60.



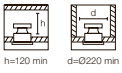


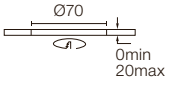




Fixed
08.0160.40
08.0160.14

Fixed Multipack 30U*
M8.0160.40
M8.0160.14







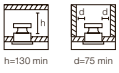


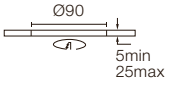
Adjustable
08.0164.40
08.0164.14

Adjustable Multipack 30U*
M8.0164.40
M8.0164.14

Frame No Trim Ø60.

Marco de Instalación No Trim Ø60.



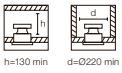


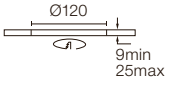




Fixed
08.0192.00

Fixed Multipack 48U*
M8.0192.00









Adjustable
08.0166.00

Adjustable Multipack 48U*
M8.0166.00

Accessory Ø60 Adjustable / Accesorio Ø60 Adjustable

Orientation Toolkit Adjustable Ø60.

Herramienta de orientación Adjustable Ø60.





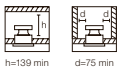
08.0825.00

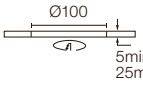
* Multipack available. Please consult.
* Embalaje múltiple disponible. Consultar.

Accessories Ø90 / Accesorios Ø90

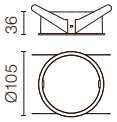
Frame Trim Ø90.

Marco de Instalación Trim Ø90.



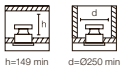


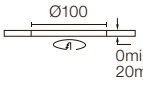




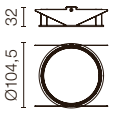
Fixed & Wall-Washer**
08.0161.40
08.0161.14

Fixed & Wall-Washer** Multipack 20U*
M8.0161.40
M8.0161.14







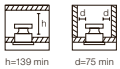


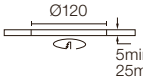
Adjustable
08.0165.40
08.0165.14

Adjustable Multipack 20U*
M8.0165.40
M8.0165.14

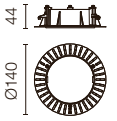
Frame No Trim Ø90.

Marco de Instalación No Trim Ø90.



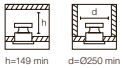


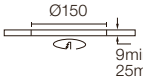




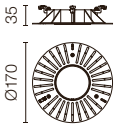
Fixed & Wall-Washer**
08.0193.00

Fixed & Wall-Washer** Multipack 48U*
M8.0193.00









Adjustable
08.0167.00

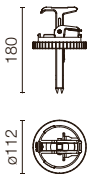
Adjustable Multipack 48U*
M8.0167.00

Accessory Ø90 Adjustable / Accesorio Ø90 Adjustable

Orientation Toolkit Adjustable Ø90.

Herramienta de orientación Adjustable Ø90.





08.0826.00

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* Multipack available. Please consult.
* Embalaje múltiple disponible. Consultar.
** Wall-Washer: See the proper distance to wall and spacing between units in the installation instructions.
** Wall-Washer: Consulte la distancia a pared e interdistancia adecuadas en las instrucciones de instalación.

ECLECTIC

DESIGNED BY FLOS ARCHITECTURAL

ECLECTIC Ø70
FIXED



ECLECTIC Ø70
ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
686 lm
2700K/CRI 90
768 lm
3000K/CRI 90

ECLECTIC Ø90
FIXED



LIGHT SOURCE
LED ARRAY
10,5W
1114 lm
2700K/CRI 90
1162 lm
3000K/CRI 90

LIGHT SOURCE
POWER LED
7W
534 lm
2700K/CRI 90
572 lm
3000K/CRI 90

ECLECTIC Ø90
ADJUSTABLE



LIGHT SOURCE
LED ARRAY
13W
1026 lm
1800K-3000K
CRI 90

The product pictures above represent Eclectic equipped with a Cone Style Module
Las imágenes superiores de Eclectic están equipadas con Cone Style Module

Cone Style Module

☐ 40 White*
40 Blanco*

■ 14 Black
14 Negro



Soft Style Module

☐ 40 White*
40 Blanco*

■ 14 Black
14 Negro



Flat Style Module

☐ 40 White*
40 Blanco*

■ 14 Black
14 Negro



* Adherent base suitable for painting / Base adherente apta para ser pintada

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

ECLECTIC

Description
Eclectic is a recessed in ceiling, indoor luminaire, designed with a fully modular concept, following the principles of circular design and economy. This means that the product, which is marketed as a complete luminaire, can be broken down into a series of modules that define its features and which, in turn, are offered as spare parts. These modules can be added, combined or mixed to configure a luminaire that specifically meets the requirements of each specific project. Even the aesthetics of the product are interchangeable. Moreover, modifications can be made at any point in the life cycle, even after it has been installed. Eclectic is therefore a "future-proof" design due to its versatility in adapting to changes in future needs.
To make this product design idea pragmatic, all parts of Eclectic can be easily disassembled without tools. Modules are combined using mechanical (clipping and threading) or magnetic (with magnets) connections, without the need for any glue, adhesive or soldering. This, in turn, makes the product easily separable for recycling, making it a sustainable and environmentally friendly product.

Optical System
Eclectic is equipped with a patented optical system with double focal lenses. This technology provides Eclectic with extraordinary control of light distribution, eliminating glare and achieving visual comfort, while providing high LOR (Light Output Ratio) and high luminous efficiency.
In addition, in order to offer a complete range of light beam angles, Eclectic combines an Array LED source with a Power LED source. Thus, Eclectic's range provides the specifier with Super Spot, Spot, Medium, Flood and Wide Flood beam angles (*check correspondence between beam angles, sizes and type of LED source).
In addition to the different lenses, the optical system is complemented by a screen made of high-gloss technical polycarbonate with anti-glare properties. The position of the LED, recessed with respect to the outer plane of the luminaire, provides a cut-off angle between 41º and 55º (depending on the model). Thanks to this, direct visual access to the light source by the user is limited and a "high comfort" effect is achieved.

Power Supplies
In Dim to Warm models the driver is included. In the rest of the models, it is supplied separately.
The drivers fit through the recessing hole.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Control System
Eclectic is available with Casambi (individual, point to point), DALI2 - Push, 0-10V, Phase cut (mains DIM) and on/off control protocols.

Spare Parts
Among all Eclectic modules (parts), Flos markets the following ones as independent, and as standard: mounting pre-frames (Trim / No Trim), the different lenses (Super Spot, Spot, Medium, Flood and Wide Flood**), the orientation modules (fixed or adjustable) and the style modules (flat, soft and cone) The module that acts as a light engine is not offered as a standard spare part in the catalog.
(**check correspondence between lenses, sizes and type of LED source).

Accessories
Eclectic is fitted with accessories that enhance the technical character of the luminaire, such as the anti-glare honeycomb grid, the IP54 accessories for the adjustable versions and dichroic filters for color temperature correction.

Installation
Once the installation pre-frames have been applied, Eclectic is fixed to them by means of a magnetic attachment system that is extremely easy and pleasant to use. This attachment method withstands the weight of the product and has passed the most demanding quality, durability and stress tests that guarantee its absolute safety.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Descripción
Eclectic es una luminaria de interior empotrable en techo que ha sido diseñada con un concepto totalmente modular, siguiendo los principios del diseño y la economía circular. Esto hace que el producto, que se comercializa como una luminaria completa, se pueda descomponer en una serie de módulos que definen sus características y que, a su vez, se ofrecen como piezas de repuesto / recambio.
Estos módulos se pueden añadir, combinar o mezclar para configurar una luminaria que cumpla específicamente con las exigencias de cada proyecto concreto. Incluso la estética del producto es intercambiable. Además, esta capacidad de modificación es posible en cualquier momento del ciclo de vida -incluso después de haber sido instalado-.
Por ello, Eclectic es un diseño *«future-proof»* (a prueba de obsolescencia), por su versatilidad para adaptarse a cambios en las necesidades futuras.
Para facilitar que esta idea de diseño de producto sea pragmática, todas las partes de Eclectic se pueden desmontar fácilmente sin necesidad de herramientas. La combinación de los módulos se realiza a través de uniones mecánicas (clipajes y roscas) o magnéticas (con imanes), sin necesidad de ningún tipo de cola, pegamento o soldadura. Esto hace, a su vez, que el producto sea fácilmente separable para su reciclaje, haciéndolo así un producto sostenible y respetuoso con el medioambiente.

Sistema óptico
Eclectic está provisto de un sistema óptico patentado con lentes de doble focal. Esta tecnología ofrece a Eclectic un extraordinario control de la distribución lumínica, que elimina el deslumbramiento y consigue un elevadísimo confort visual, a la par que una eficiencia lumínica de alto LOR *(Light Output Ratio)*.
Además, para ofertar una gama de aperturas de haz completa, Eclectic combina una fuente LED Array con otra *Power LED.* Así, la gama de Eclectic brinda al especificador aperturas *Super Spot, Spot, Medium, Flood* y *Wide Flood* (*consultar correspondencia entre aperturas, tallas y tipo de fuente LED).
Junto a las diferentes lentes, el sistema óptico viene complementado por una pantalla fabricada en policarbonato técnico de alto brillo y propiedades antideslumbramiento. La posición del LED, retranqueado respecto al plano exterior de la luminaria, propicia un *cut-off* angle de entre 41º y 55º (según el modelo). Así, se limita el acceso visual directo a la fuente de luz por parte del usuario y se logra el efecto «high comfort».

Unidades de Alimentación
El equipo se suministra por separado en todos los modelos, salvo en la versión Dim to Warm (en la que se comercializa el driver en conjunto con la luminaria).
Los drivers caben a través del agujero de empotramiento.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (Drivers).

Sistema de control
Eclectic está disponible con protocolos de control Casambi (individual, punto a punto), *DALI2 · Push, 0/1-10V*, Recorte de fase *(mains DIM)* y on/off.

Recambios
Entre todos los módulos (partes) de Eclectic, Flos comercializa -de serie-, como piezas independientes, los siguientes: premarcos de montaje *(Trim / No Trim)*, las diferentes lentes *(Super Spot, Spot, Medium, Flood* y *Wide Flood**)*, los módulos de orientabilidad (fijo o ajustable) y los módulos estéticos *(flat, soft* y *cone)*. El módulo que actúa como motor de luz no se ofrece de serie en catálogo como pieza de reemplazo.
(**consultar correspondencia entre lentes, tallas y tipo de fuente LED).

Accesorios
Eclectic cuenta con accesorios que incentivan el carácter técnico de la luminaria como son el panel de abeja antideslumbramiento, los accesorios IP54 para las versiones ajustables y los filtros dicroicos para la corrección de la temperatura de color.

Instalación
Una vez aplicados los premarcos de instalación, Eclectic se fija a ellos a través de un sistema de sujeción magnético de un uso extremadamente sencillo y agradable. Este método de unión soporta sobradamente el peso del producto y ha superado los más exigentes test de calidad, durabilidad y estrés que garantizan la absoluta seguridad del mismo.

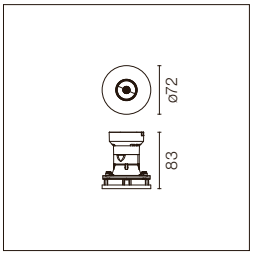
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

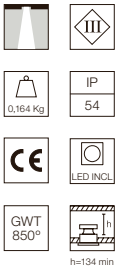
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Eclectic Ø70 - Fixed Cone

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø70. Downlight no orientable. Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 47º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

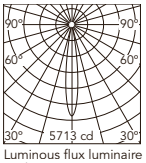
Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8000.40
05.8000.14





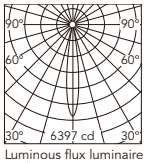
Luminous flux luminaire
405 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5713	0.26
2	1428	0.52
3	635	0.77
4	357	1.03
5	229	1.29

3000K
Optic Spot
05.8010.40
05.8010.14





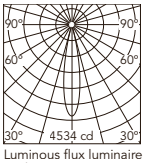
Luminous flux luminaire
454 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6397	0.26
2	1599	0.52
3	711	0.77
4	400	1.03
5	256	1.29

Optic Medium
05.8001.40
05.8001.14





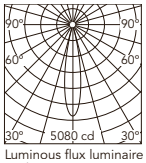
Luminous flux luminaire
514 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	4534	0.35
2	1133	0.69
3	504	1.04
4	283	1.38
5	181	1.73

Optic Medium
05.8011.40
05.8011.14





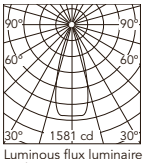
Luminous flux luminaire
576 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5080	0.35
2	1270	0.69
3	564	1.04
4	318	1.38
5	203	1.73

Optic Flood
05.8002.40
05.8002.14





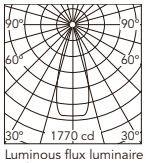
Luminous flux luminaire
529 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1578	0.63
2	395	1.26
3	175	1.89
4	99	2.52
5	63	3.15

Optic Flood
05.8012.40
05.8012.14





Luminous flux luminaire
592 lm

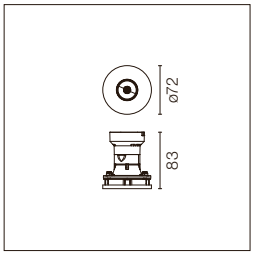
Beam Angle: 35°

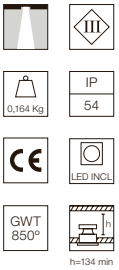
h(m)	E(lx)	D(m)
1	1767	0.63
2	442	1.26
3	196	1.89
4	110	2.52
5	71	3.15

Eclectic Ø70 - Fixed Soft

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Non-adjustable Downlight. "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø70. Downlight no orientable. Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 47°. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

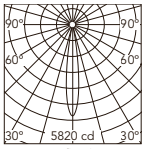
Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8003.40
05.8003.14





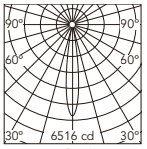
Luminous flux luminaire
419 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5820	0.26
2	1455	0.53
3	647	0.79
4	364	1.05
5	233	1.31

3000K
Optic Spot
05.8013.40
05.8013.14





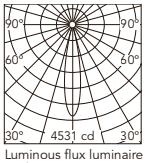
Luminous flux luminaire
469 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6516	0.26
2	1629	0.53
3	724	0.79
4	407	1.05
5	261	1.31

Optic Medium
05.8004.40
05.8004.14





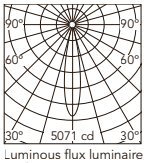
Luminous flux luminaire
514 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	4531	0.34
2	1133	0.69
3	503	1.03
4	283	1.38
5	181	1.72

Optic Medium
05.8014.40
05.8014.14





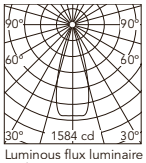
Luminous flux luminaire
575 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5071	0.34
2	1268	0.69
3	563	1.03
4	317	1.38
5	203	1.72

Optic Flood
05.8005.40
05.8005.14





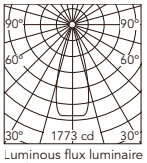
Luminous flux luminaire
529 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1574	0.63
2	394	1.26
3	175	1.89
4	98	2.52
5	63	3.15

Optic Flood
05.8015.40
05.8015.14





Luminous flux luminaire
592 lm

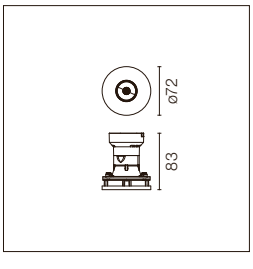
Beam Angle: 35°

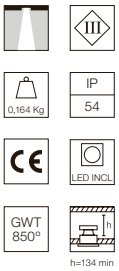
h(m)	E(lx)	D(m)
1	1763	0.63
2	441	1.26
3	196	1.89
4	110	2.52
5	71	3.15

Eclectic Ø70 - Fixed Flat

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 55º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø70. Downlight no orientable. Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 55º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

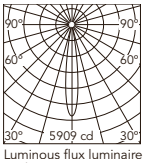
Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8006.40
05.8006.14





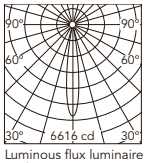
Luminous flux luminaire
404 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5909	0.26
2	1477	0.52
3	657	0.77
4	369	1.03
5	236	1.29

3000K
Optic Spot
05.8016.40
05.8016.14





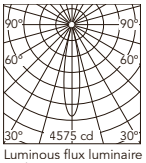
Luminous flux luminaire
452 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6616	0.26
2	1654	0.52
3	735	0.77
4	413	1.03
5	265	1.29

Optic Medium
05.8007.40
05.8007.14





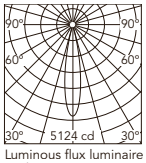
Luminous flux luminaire
502 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4575	0.34
2	1144	0.68
3	508	1.02
4	286	1.36
5	183	1.70

Optic Medium
05.8017.40
05.8017.14





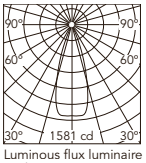
Luminous flux luminaire
562 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	5124	0.34
2	1281	0.68
3	569	1.02
4	320	1.36
5	205	1.70

Optic Flood
05.8008.40
05.8008.14





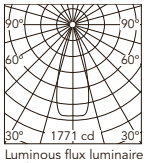
Luminous flux luminaire
518 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1577	0.63
2	394	1.25
3	175	1.88
4	99	2.50
5	63	3.13

Optic Flood
05.8018.40
05.8018.14





Luminous flux luminaire
581 lm

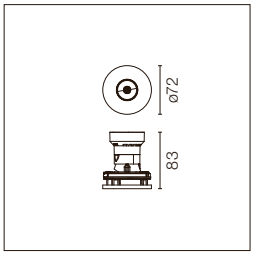
Beam Angle: 35°

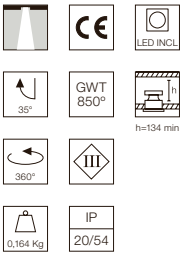
h(m)	E(lx)	D(m)
1	1766	0.63
2	441	1.25
3	196	1.88
4	110	2.50
5	71	3.13

Eclectic Ø70 - Adjustable Cone

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Adjustable Downlight (35º tilt, 360º rotation). "Cone" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

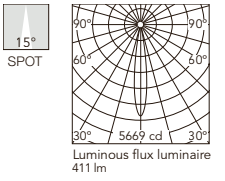
Eclectic Ø70. Downlight orientable (basculación 35º, giro 360º). Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 47º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8020.40
05.8020.14

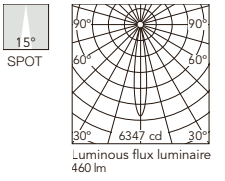


Luminous flux luminaire
411 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5669	0.26
2	1417	0.53
3	630	0.79
4	354	1.06
5	227	1.32

3000K
Optic Spot
05.8030.40
05.8030.14

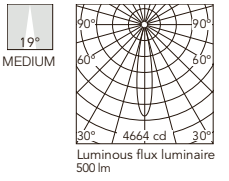


Luminous flux luminaire
460 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6347	0.26
2	1587	0.53
3	705	0.79
4	397	1.06
5	254	1.32

Optic Medium
05.8021.40
05.8021.14

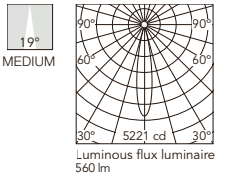


Luminous flux luminaire
500 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4664	0.33
2	1166	0.66
3	518	0.98
4	291	1.31
5	187	1.64

Optic Medium
05.8031.40
05.8031.14

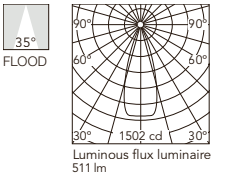


Luminous flux luminaire
560 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	5221	0.33
2	1305	0.66
3	580	0.98
4	326	1.31
5	209	1.64

Optic Flood
05.8022.40
05.8022.14

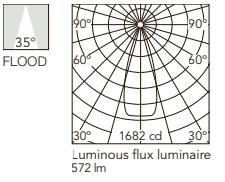


Luminous flux luminaire
511 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1499	0.64
2	375	1.28
3	167	1.92
4	94	2.56
5	60	3.20

Optic Flood
05.8032.40
05.8032.14



Luminous flux luminaire
572 lm

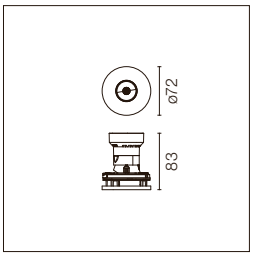
Beam Angle: 35°

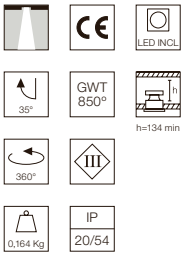
h(m)	E(lx)	D(m)
1	1679	0.64
2	420	1.28
3	187	1.92
4	105	2.56
5	67	3.20

Eclectic Ø70 - Adjustable Soft

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Adjustable Downlight (35º tilt, 360º rotation). "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 47º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø70. Downlight orientable (basculación 35º, giro 360º). Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 47º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

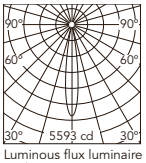
Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8023.40
05.8023.14





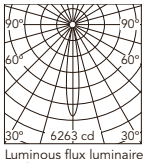
Luminous flux luminaire
408 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5593	0.27
2	1398	0.53
3	621	0.80
4	350	1.06
5	224	1.33

3000K
Optic Spot
05.8033.40
05.8033.14





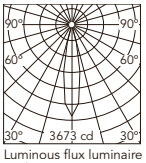
Luminous flux luminaire
457 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6263	0.27
2	1566	0.53
3	696	0.80
4	391	1.06
5	251	1.33

Optic Medium
05.8024.40
05.8024.14





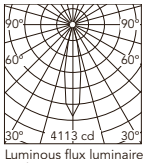
Luminous flux luminaire
497 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	3673	0.36
2	918	0.72
3	408	1.08
4	230	1.44
5	147	1.80

Optic Medium
05.8034.40
05.8034.14





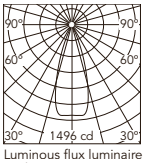
Luminous flux luminaire
557 lm

Beam Angle: 20°

h(m)	E(lx)	D(m)
1	4113	0.36
2	1028	0.72
3	457	1.08
4	257	1.44
5	165	1.80

Optic Flood
05.8025.40
05.8025.14





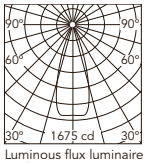
Luminous flux luminaire
511 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1484	0.64
2	371	1.28
3	165	1.92
4	93	2.56
5	59	3.20

Optic Flood
05.8035.40
05.8035.14





Luminous flux luminaire
572 lm

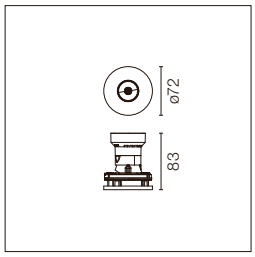
Beam Angle: 35°

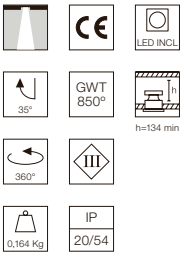
h(m)	E(lx)	D(m)
1	1662	0.64
2	415	1.28
3	185	1.92
4	104	2.56
5	66	3.20

Eclectic Ø70 - Adjustable Flat

Light Source: LED Array DC 600 mA - 7,5W - 686 lm - 2700K/CRI 90 / 7,5W - 768 lm - 3000K/CRI 90







Eclectic Ø70. Adjustable Downlight (35º tilt, 360º rotation). "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 55º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø70. Downlight orientable (basculación 35º, giro 360º). Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 55º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

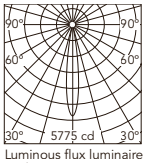
Recommended power supply / Equipos recomendados*:

Non Dimmable 32W	60.9592
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0600
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 40W	60.9845
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8026.40
05.8026.14





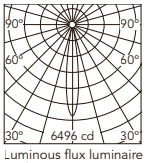
Luminous flux luminaire
395 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5775	0.26
2	1444	0.52
3	642	0.77
4	361	1.03
5	231	1.29

3000K
Optic Spot
05.8036.40
05.8036.14





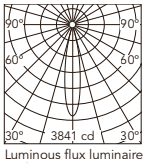
Luminous flux luminaire
444 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	6496	0.26
2	1624	0.52
3	722	0.77
4	406	1.03
5	260	1.29

Optic Medium
05.8027.40
05.8027.14





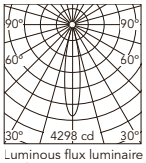
Luminous flux luminaire
448 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3841	0.34
2	960	0.68
3	427	1.02
4	240	1.35
5	154	1.69

Optic Medium
05.8037.40
05.8037.14





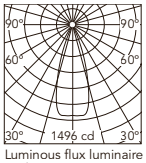
Luminous flux luminaire
501 lm

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4298	0.34
2	1075	0.68
3	478	1.02
4	269	1.35
5	172	1.69

Optic Flood
05.8028.40
05.8028.14





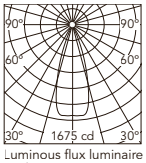
Luminous flux luminaire
501 lm

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1490	0.63
2	372	1.27
3	166	1.90
4	93	2.54
5	60	3.17

Optic Flood
05.8038.40
05.8038.14



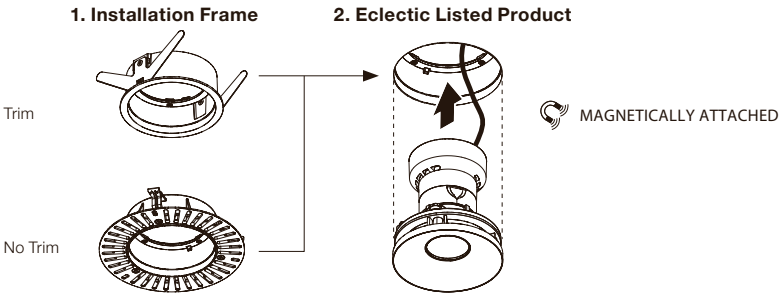


Luminous flux luminaire
560 lm

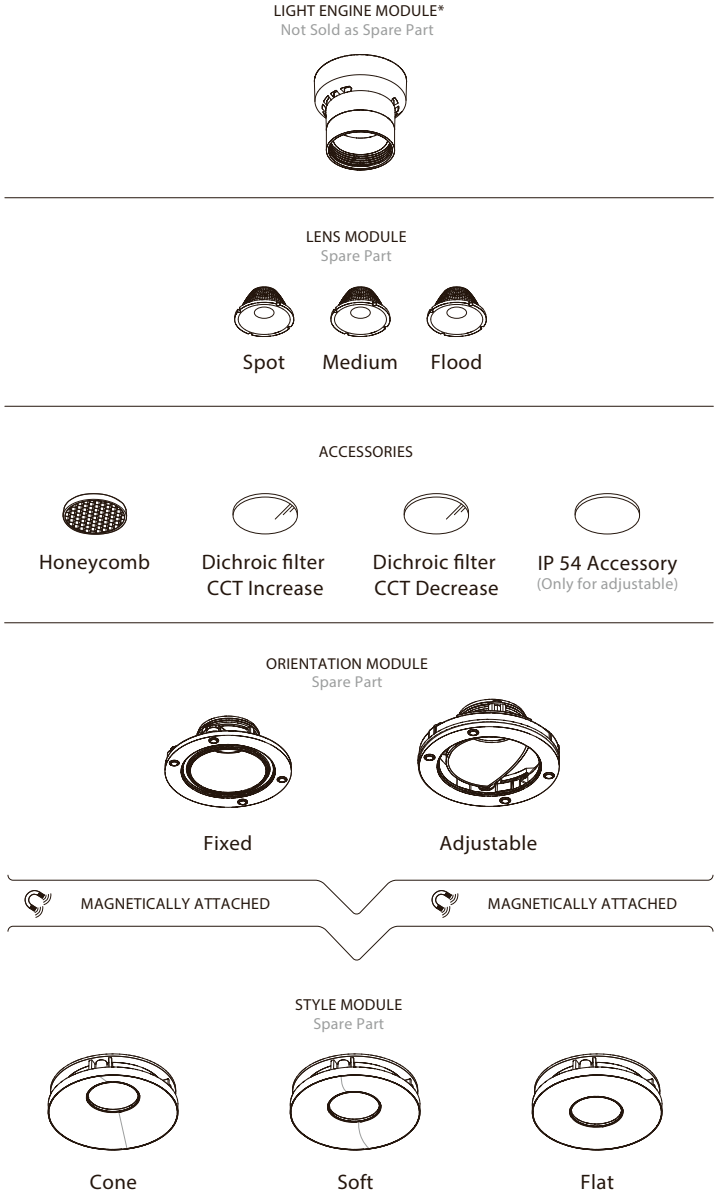
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1668	0.63
2	417	1.27
3	185	1.90
4	104	2.54
5	67	3.17

HOW TO ORDER ECLECTIC Ø70

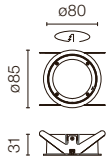


ACCESSORIES & SPARE PARTS ECLECTIC Ø70



Light Engine Module not Sold as Spare Part. Special Orders Please Consult.

Accessories Ø70 / Accesorios Ø70

Trim Frame. For further and full installation measures & requirements, please consult mounting instructions.	Marco de Instalación Trim. Para conocer los requisitos y medidas de instalación al completo, por favor, consulte las instrucciones de montaje.			08.0670.40 08.0670.14
No Trim Frame. For further and full installation measures & requirements, please consult mounting instructions.	Marco de Instalación No Trim. Para conocer los requisitos y medidas de instalación al completo, por favor, consulte las instrucciones de montaje.			08.0672.00
Honeycomb	Panel de abeja			08.0727.00
Adjustable IP 54	IP 54 Ajustable			08.0729.00
Dichroic CCT Filter	Filtros Dicroicos CCT			Increase 2700K >> 3125±75K 3000K >> 3600±75K 08.0731.00 Decrease 2700K >> 2450±75K 3000K >> 2700±75K 08.0732.00

Spare parts Ø70 / Repuestos Ø70

Lenses	Lentes		Opic Spot 08.0711.00 Opic Medium 08.0712.00 Opic Flood 08.0713.00
Orientation Module	Módulo de Orientabilidad		Fixed 08.0739.00 Adjustable 08.0740.00
Style Modules	Módulos Estéticos		Cone 08.0721.40 08.0721.14 Soft 08.0722.40 08.0722.14 Flat 08.0723.40 08.0723.14

Drivers for Serial Connection / Equipos para Conexión en Serie

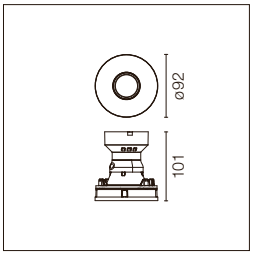
Driver	DIM Protocol	Min-Max Eclectic(s) per Driver.
60.9592	Non Dimmable 32W	1 - 3
60.7677	Non Dimmable 42W	1 - 3
60.7678	Dimmable Dali 2 38W	1 - 4
60.9713.0600	Dimmable Dali 2 20W	1 - 2
60.9208	Dimmable 0-10V 20W	1 - 2
60.9845	Dimmable 0-10V 40W	1 - 3
60.9467	Mains Dimming 20W	1 - 2
60.9716	Casambi 26W	1 - 3

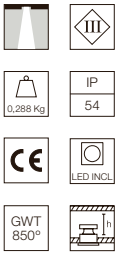
* Refer to the Drivers chapter / Ver capítulo Drivers

Eclectic Ø90 - Fixed Cone

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90







Eclectic Ø90. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41°. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

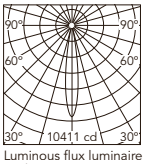
Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8100.40
05.8100.14





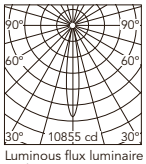
Luminous flux luminaire
862 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10411	0.27
2	2603	0.54
3	1157	0.81
4	651	1.08
5	416	1.36

3000K
Optic Spot
05.8120.40
05.8120.14





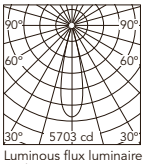
Luminous flux luminaire
899 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10855	0.27
2	2714	0.54
3	1206	0.81
4	678	1.08
5	434	1.36

Optic Medium
05.8101.40
05.8101.14





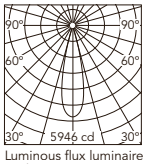
Luminous flux luminaire
923 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5703	0.43
2	1426	0.87
3	634	1.30
4	356	1.73
5	228	2.17

Optic Medium
05.8121.40
05.8121.14





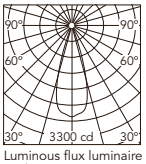
Luminous flux luminaire
963 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5946	0.43
2	1486	0.87
3	661	1.30
4	372	1.73
5	238	2.17

Optic Flood
05.8102.40
05.8102.14





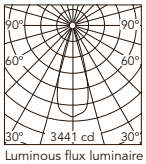
Luminous flux luminaire
925 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3300	0.59
2	825	1.18
3	367	1.78
4	206	2.37
5	132	2.96

Optic Flood
05.8122.40
05.8122.14





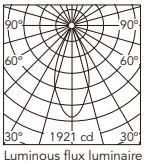
Luminous flux luminaire
964 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3441	0.59
2	860	1.18
3	382	1.78
4	215	2.37
5	138	2.96

Optic Wide Flood
05.8103.40
05.8103.14





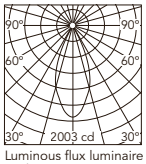
Luminous flux luminaire
861 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1921	0.77
2	480	1.54
3	213	2.31
4	120	3.08
5	77	3.85

Optic Wide Flood
05.8123.40
05.8123.14





Luminous flux luminaire
898 lm

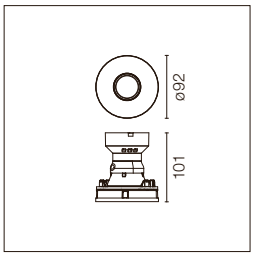
Beam Angle: 42°

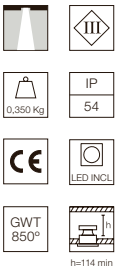
h(m)	E(lx)	D(m)
1	2003	0.77
2	501	1.54
3	223	2.31
4	125	3.08
5	80	3.85

Eclectic Ø90 - Fixed Cone

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Non-adjustable Downlight. "Cone" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

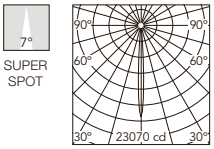
Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP54. Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8200.40
05.8200.14

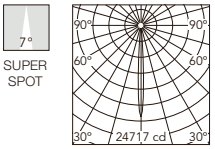


Luminous flux luminaire
399 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	23070	0.12
2	5768	0.23
3	2563	0.35
4	1442	0.46
5	923	0.58

3000K
Optic Super Spot
05.8210.40
05.8210.14

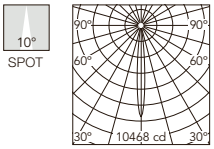


Luminous flux luminaire
428 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24717	0.12
2	6179	0.23
3	2746	0.35
4	1545	0.46
5	989	0.58

Optic Spot
05.8201.40
05.8201.14

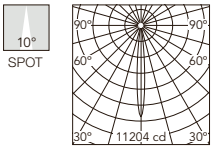


Luminous flux luminaire
386 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10468	0.17
2	2617	0.34
3	1163	0.50
4	654	0.67
5	419	0.84

Optic Spot
05.8211.40
05.8211.14

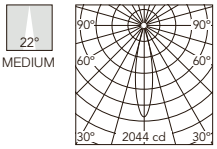


Luminous flux luminaire
413 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11204	0.17
2	2801	0.34
3	1245	0.50
4	700	0.67
5	448	0.84

Optic Medium
05.8202.40
05.8202.14

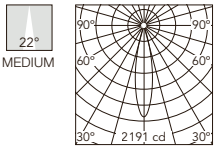


Luminous flux luminaire
313 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2044	0.38
2	511	0.76
3	227	1.14
4	128	1.52
5	82	1.90

Optic Medium
05.8212.40
05.8212.14



Luminous flux luminaire
335 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2191	0.38
2	548	0.76
3	243	1.14
4	137	1.52
5	88	1.90

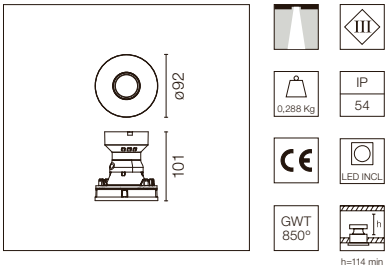
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 - Fixed Soft

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41° cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

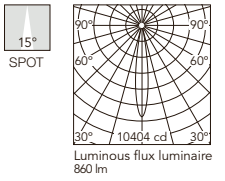
Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41°. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8105.40
05.8105.14

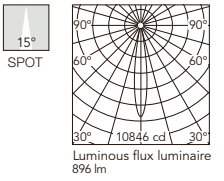


Luminous flux luminaire 860 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10404	0.27
2	2601	0.54
3	1156	0.81
4	650	1.09
5	416	1.36

3000K
Optic Spot
05.8125.40
05.8125.14

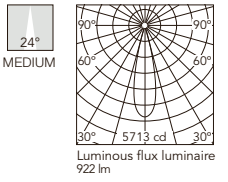


Luminous flux luminaire 896 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10846	0.27
2	2712	0.54
3	1205	0.81
4	678	1.09
5	434	1.36

Optic Medium
05.8106.40
05.8106.14

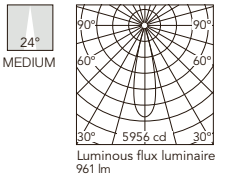


Luminous flux luminaire 922 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5713	0.43
2	1428	0.87
3	635	1.30
4	357	1.73
5	229	2.16

Optic Medium
05.8126.40
05.8126.14

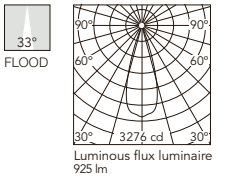


Luminous flux luminaire 961 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5956	0.43
2	1489	0.87
3	662	1.30
4	372	1.73
5	238	2.16

Optic Flood
05.8107.40
05.8107.14

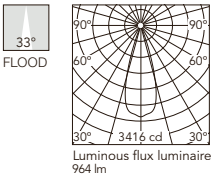


Luminous flux luminaire 925 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3276	0.59
2	819	1.19
3	364	1.78
4	205	2.38
5	131	2.97

Optic Flood
05.8127.40
05.8127.14

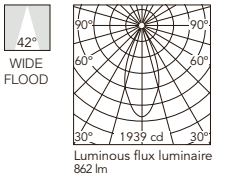


Luminous flux luminaire 964 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3416	0.59
2	854	1.19
3	380	1.78
4	213	2.38
5	137	2.97

Optic Wide Flood
05.8108.40
05.8108.14

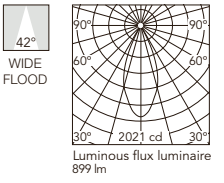


Luminous flux luminaire 862 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1939	0.77
2	485	1.53
3	215	2.30
4	121	3.06
5	78	3.83

Optic Wide Flood
05.8128.40
05.8128.14



Luminous flux luminaire 899 lm

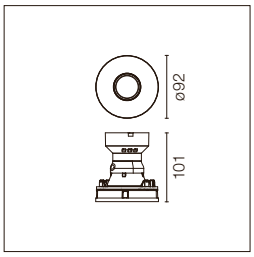
Beam Angle: 42°

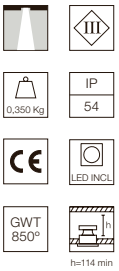
h(m)	E(lx)	D(m)
1	2021	0.77
2	505	1.53
3	225	2.30
4	126	3.06
5	81	3.83

Eclectic Ø90 - Fixed Soft

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Non-adjustable Downlight. "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

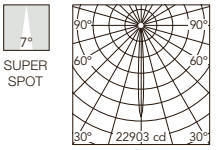
Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP54. Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8203.40
05.8203.14

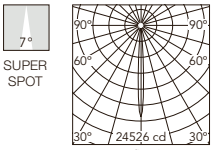


Luminous flux luminaire
404 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	22903	0.12
2	5726	0.23
3	2545	0.35
4	1431	0.47
5	916	0.58

3000K
Optic Super Spot
05.8213.40
05.8213.14

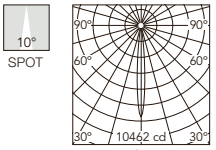


Luminous flux luminaire
433 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24526	0.12
2	6132	0.23
3	2725	0.35
4	1533	0.47
5	981	0.58

Optic Spot
05.8204.40
05.8204.14

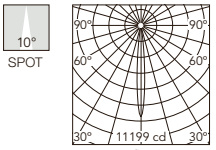


Luminous flux luminaire
386 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10462	0.17
2	2615	0.34
3	1162	0.50
4	654	0.67
5	418	0.84

Optic Spot
05.8214.40
05.8214.14

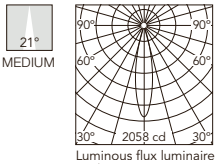


Luminous flux luminaire
413 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11199	0.17
2	2800	0.34
3	1244	0.50
4	700	0.67
5	448	0.84

Optic Medium
05.8205.40
05.8205.14

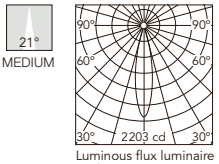


Luminous flux luminaire
311 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2058	0.38
2	514	0.75
3	229	1.13
4	129	1.51
5	82	1.89

Optic Medium
05.8215.40
05.8215.14



Luminous flux luminaire
333 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2203	0.38
2	551	0.75
3	245	1.13
4	138	1.51
5	88	1.89

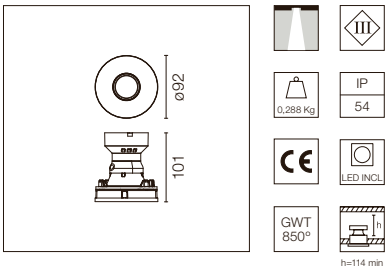
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 - Fixed Flat

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90





Eclectic Ø90. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

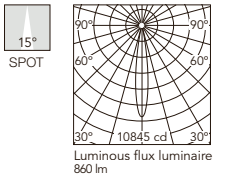
Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8110.40
05.8110.14

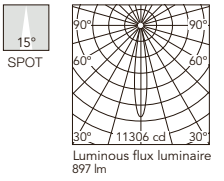


Luminous flux luminaire 860 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10845	0.27
2	2711	0.53
3	1205	0.80
4	678	1.07
5	434	1.34

3000K
Optic Spot
05.8130.40
05.8130.14

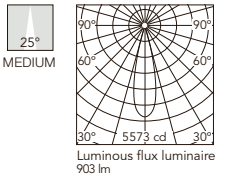


Luminous flux luminaire 897 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11306	0.27
2	2827	0.53
3	1256	0.80
4	707	1.07
5	452	1.34

Optic Medium
05.8111.40
05.8111.14

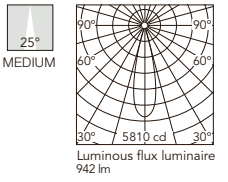


Luminous flux luminaire 903 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5573	0.44
2	1393	0.88
3	619	1.32
4	348	1.76
5	223	2.20

Optic Medium
05.8131.40
05.8131.14

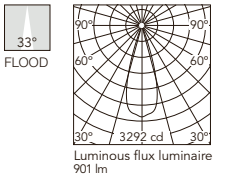


Luminous flux luminaire 942 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5810	0.44
2	1453	0.88
3	646	1.32
4	363	1.76
5	232	2.20

Optic Flood
05.8112.40
05.8112.14

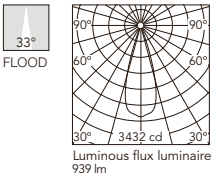


Luminous flux luminaire 901 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3292	0.59
2	823	1.18
3	366	1.77
4	206	2.36
5	132	2.95

Optic Flood
05.8132.40
05.8132.14

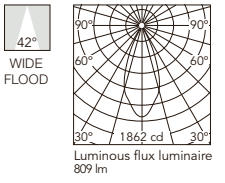


Luminous flux luminaire 939 lm

Beam Angle: 33°

h(m)	E(lx)	D(m)
1	3432	0.59
2	858	1.18
3	381	1.77
4	215	2.36
5	137	2.95

Optic Wide Flood
05.8113.40
05.8113.14

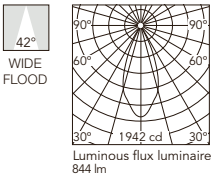


Luminous flux luminaire 809 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	1862	0.76
2	466	1.52
3	207	2.28
4	116	3.04
5	74	3.81

Optic Wide Flood
05.8133.40
05.8133.14



Luminous flux luminaire 844 lm

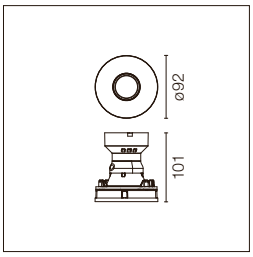
Beam Angle: 42°

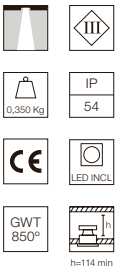
h(m)	E(lx)	D(m)
1	1942	0.76
2	485	1.52
3	216	2.28
4	121	3.04
5	78	3.81

Eclectic Ø90 - Fixed Flat

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP54 water tightness. Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

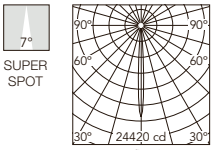
Eclectic Ø90. Downlight no orientable. Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP54. Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8206.40
05.8206.14

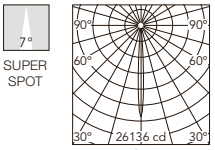


Luminous flux luminaire
418 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24420	0.12
2	6105	0.23
3	2713	0.35
4	1526	0.46
5	977	0.58

3000K
Optic Super Spot
05.8216.40
05.8216.14

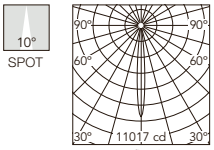


Luminous flux luminaire
447 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	26136	0.12
2	6534	0.23
3	2904	0.35
4	1634	0.46
5	1045	0.58

Optic Spot
05.8207.40
05.8207.14

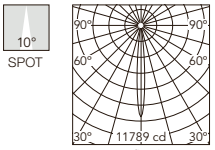


Luminous flux luminaire
396 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11017	0.17
2	2754	0.34
3	1224	0.50
4	689	0.67
5	441	0.84

Optic Spot
05.8217.40
05.8217.14

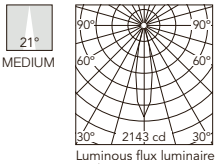


Luminous flux luminaire
424 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11789	0.17
2	2947	0.34
3	1310	0.50
4	737	0.67
5	472	0.84

Optic Medium
05.8208.40
05.8208.14

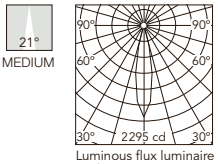


Luminous flux luminaire
320 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2143	0.37
2	536	0.73
3	238	1.10
4	134	1.46
5	86	1.83

Optic Medium
05.8218.40
05.8218.14



Luminous flux luminaire
343 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2295	0.37
2	574	0.73
3	255	1.10
4	143	1.46
5	92	1.83

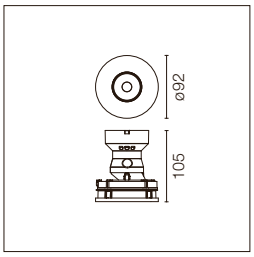
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

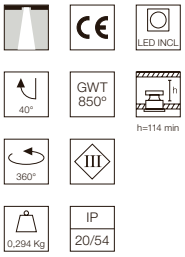
* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 - Adjustable Cone

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). "Cone" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

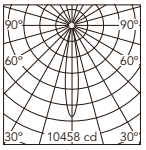
Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8140.40
05.8140.14





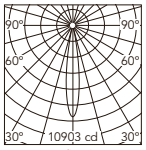
Luminous flux luminaire
884 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10458	0.28
2	2614	0.56
3	1162	0.84
4	654	1.12
5	418	1.39

3000K
Optic Spot
05.8160.40
05.8160.14





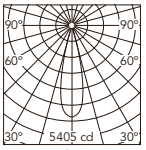
Luminous flux luminaire
922 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10903	0.28
2	2726	0.56
3	1211	0.84
4	681	1.12
5	436	1.39

Optic Medium
05.8141.40
05.8141.14





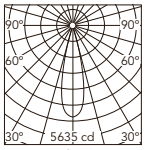
Luminous flux luminaire
898 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5405	0.44
2	1351	0.88
3	601	1.32
4	338	1.76
5	216	2.21

Optic Medium
05.8161.40
05.8161.14





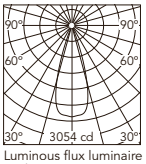
Luminous flux luminaire
937 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5635	0.44
2	1409	0.88
3	626	1.32
4	352	1.76
5	225	2.21

Optic Flood
05.8142.40
05.8142.14





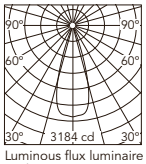
Luminous flux luminaire
906 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3054	0.61
2	764	1.22
3	339	1.82
4	191	2.43
5	122	3.04

Optic Flood
05.8162.40
05.8162.14





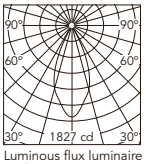
Luminous flux luminaire
945 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3184	0.61
2	796	1.22
3	354	1.82
4	199	2.43
5	127	3.04

Optic Wide Flood
05.8143.40
05.8143.14





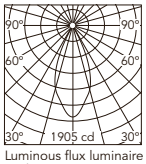
Luminous flux luminaire
836 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1827	0.79
2	457	1.58
3	203	2.37
4	114	3.16
5	73	3.95

Optic Wide Flood
05.8163.40
05.8163.14





Luminous flux luminaire
872 lm

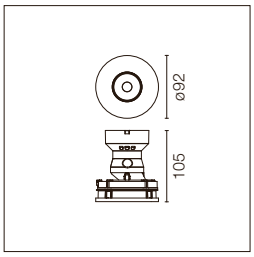
Beam Angle: 43°

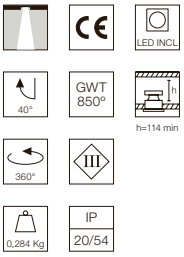
h(m)	E(lx)	D(m)
1	1905	0.79
2	476	1.58
3	212	2.37
4	119	3.16
5	76	3.95

Eclectic Ø90 - Adjustable Cone

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). "Cone" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

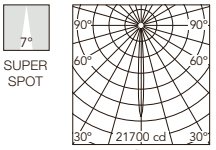
Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8220.40
05.8220.14

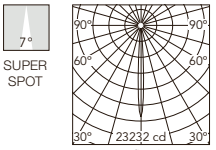


Luminous flux luminaire 393 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	21700	0.12
2	5425	0.24
3	2411	0.35
4	1356	0.47
5	868	0.59

3000K
Optic Super Spot
05.8230.40
05.8230.14

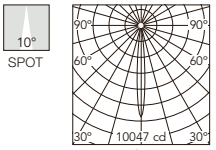


Luminous flux luminaire 421 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	23232	0.12
2	5808	0.24
3	2581	0.35
4	1452	0.47
5	929	0.59

Optic Spot
05.8221.40
05.8221.14

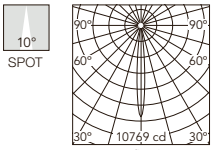


Luminous flux luminaire 380 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10047	0.17
2	2512	0.34
3	1116	0.51
4	628	0.68
5	402	0.85

Optic Spot
05.8231.40
05.8231.14

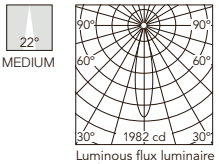


Luminous flux luminaire 407 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10769	0.17
2	2692	0.34
3	1197	0.51
4	673	0.68
5	431	0.85

Optic Medium
05.8222.40
05.8222.14

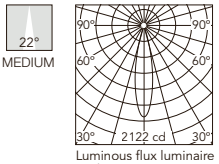


Luminous flux luminaire 309 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1982	0.38
2	495	0.77
3	220	1.15
4	124	1.54
5	79	1.92

Optic Medium
05.8232.40
05.8232.14



Luminous flux luminaire 331 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2122	0.38
2	530	0.77
3	236	1.15
4	133	1.54
5	85	1.92

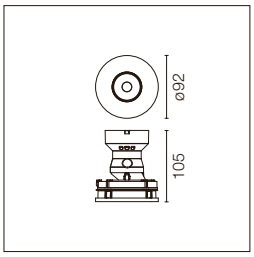
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

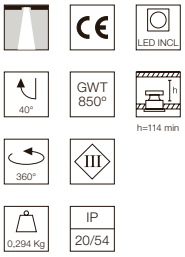
* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 - Adjustable Soft

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

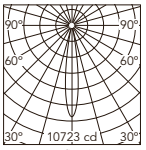
Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8145.40
05.8145.14





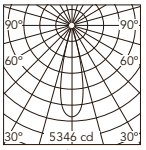
Luminous flux luminaire
868 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	10723	0.27
2	2681	0.55
3	1191	0.82
4	670	1.09
5	429	1.36

Optic Medium
05.8146.40
05.8146.14





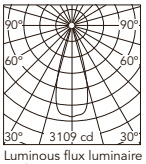
Luminous flux luminaire
900 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5346	0.45
2	1337	0.89
3	594	1.34
4	334	1.78
5	214	2.23

Optic Flood
05.8147.40
05.8147.14





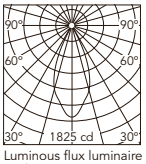
Luminous flux luminaire
904 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3109	0.60
2	777	1.21
3	345	1.81
4	194	2.41
5	124	3.01

Optic Wide Flood
05.8148.40
05.8148.14





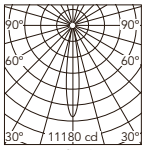
Luminous flux luminaire
837 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1825	0.79
2	456	1.59
3	203	2.38
4	114	3.17
5	73	3.97

3000K
Optic Spot
05.8165.40
05.8165.14





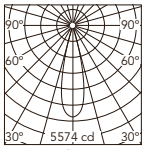
Luminous flux luminaire
905 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	11180	0.27
2	2795	0.55
3	1242	0.82
4	699	1.09
5	447	1.36

Optic Medium
05.8166.40
05.8166.14





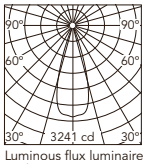
Luminous flux luminaire
938 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5574	0.45
2	1393	0.89
3	619	1.34
4	348	1.78
5	223	2.23

Optic Flood
05.8167.40
05.8167.14





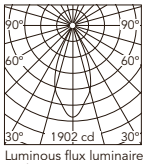
Luminous flux luminaire
942 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3241	0.60
2	810	1.21
3	360	1.81
4	203	2.41
5	130	3.01

Optic Wide Flood
05.8168.40
05.8168.14





Luminous flux luminaire
873 lm

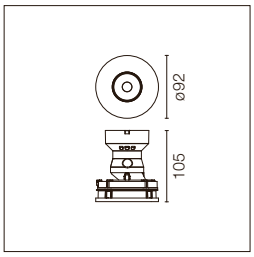
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1902	0.79
2	476	1.59
3	211	2.38
4	119	3.17
5	76	3.97

Eclectic Ø90 - Adjustable Soft

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). "Soft" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

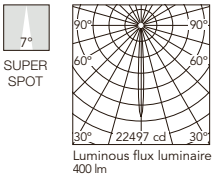
Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8223.40
05.8223.14

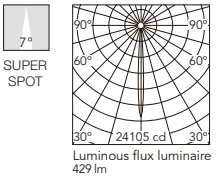


Luminous flux luminaire 400 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	22497	0.12
2	5624	0.23
3	2500	0.35
4	1406	0.47
5	900	0.59

3000K
Optic Super Spot
05.8233.40
05.8233.14

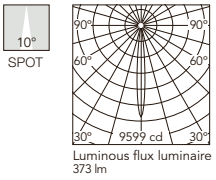


Luminous flux luminaire 429 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24105	0.12
2	6026	0.23
3	2678	0.35
4	1507	0.47
5	964	0.59

Optic Spot
05.8224.40
05.8224.14

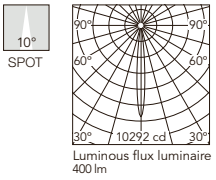


Luminous flux luminaire 373 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	9599	0.17
2	2400	0.35
3	1067	0.52
4	600	0.70
5	384	0.87

Optic Spot
05.8234.40
05.8234.14

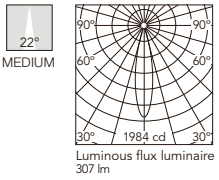


Luminous flux luminaire 400 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	10292	0.17
2	2573	0.35
3	1144	0.52
4	643	0.70
5	412	0.87

Optic Medium
05.8225.40
05.8225.14

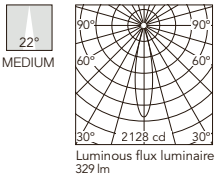


Luminous flux luminaire 307 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	1984	0.38
2	496	0.77
3	220	1.15
4	124	1.54
5	79	1.92

Optic Medium
05.8235.40
05.8235.14



Luminous flux luminaire 329 lm

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2128	0.38
2	532	0.77
3	236	1.15
4	133	1.54
5	85	1.92

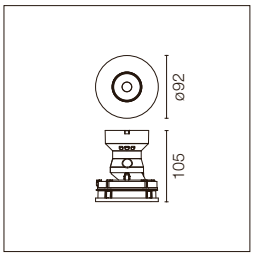
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

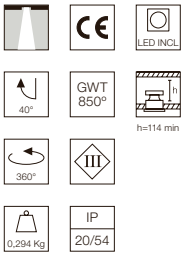
* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 - Adjustable Flat

Light Source: LED Array DC 300 mA - 10,5W - 1114 lm - 2700K/CRI 90 / 10,5W - 1162 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40° tilt, 360° rotation). "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49° cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

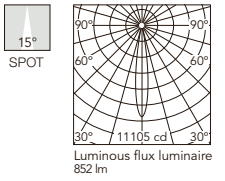
Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

Non Dimmable 22W	60.9160
Non Dimmable 42W	60.7677
Dimmable Dali 2 38W	60.7678
Dimmable Dali 2 20W	60.9713.0300
Dimmable 0-10V 20W	60.9208
Dimmable 0-10V 20W	60.9843
Mains Dimming 20W	60.9467
Casambi 26W	60.9716

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Spot
05.8150.40
05.8150.14

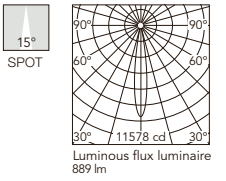


Luminous flux luminaire
852 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11105	0.27
2	2776	0.53
3	1234	0.80
4	694	1.06
5	444	1.33

3000K
Optic Spot
05.8170.40
05.8170.14

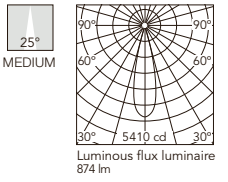


Luminous flux luminaire
889 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11578	0.27
2	2894	0.53
3	1286	0.80
4	724	1.06
5	463	1.33

Optic Medium
05.8151.40
05.8151.14

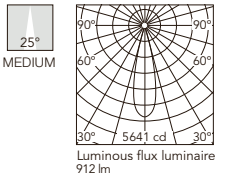


Luminous flux luminaire
874 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5410	0.44
2	1352	0.88
3	601	1.32
4	338	1.76
5	216	2.20

Optic Medium
05.8171.40
05.8171.14

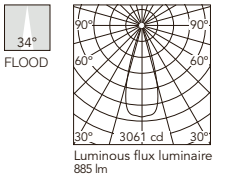


Luminous flux luminaire
912 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	5641	0.44
2	1410	0.88
3	627	1.32
4	353	1.76
5	226	2.20

Optic Flood
05.8152.40
05.8152.14

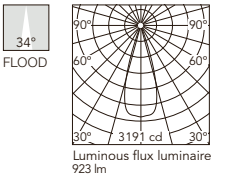


Luminous flux luminaire
885 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3061	0.60
2	765	1.21
3	340	1.81
4	191	2.41
5	122	3.02

Optic Flood
05.8172.40
05.8172.14

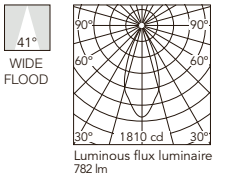


Luminous flux luminaire
923 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3191	0.60
2	798	1.21
3	355	1.81
4	199	2.41
5	128	3.02

Optic Wide Flood
05.8153.40
05.8153.14

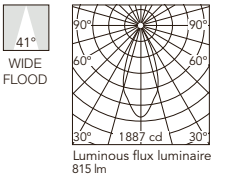


Luminous flux luminaire
782 lm

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1810	0.75
2	452	1.51
3	201	2.26
4	113	3.01
5	72	3.76

Optic Wide Flood
05.8173.40
05.8173.14



Luminous flux luminaire
815 lm

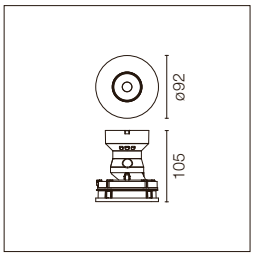
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1887	0.75
2	472	1.51
3	210	2.26
4	118	3.01
5	75	3.76

Eclectic Ø90 - Adjustable Flat

Light Source: Power LED DC 600 mA - 7W - 534 lm - 2700K/CRI 90 / 7W - 572 lm - 3000K/CRI 90







Eclectic Ø90. Adjustable Downlight (40º tilt, 360º rotation). "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Power LED light source*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

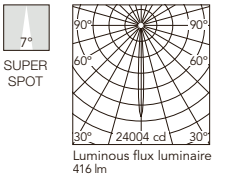
Eclectic Ø90. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Fuente de luz, Power LED*. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Recommended power supply / Equipos recomendados*:

		Serial Con.
Non Dimmable 32W	60.9592	1 - 3
Non Dimmable 42W	60.7677	1 - 3
Dimmable Dali 2 38W	60.7678	1 - 4
Dimmable Dali 2 20W	60.9713.0600	1 - 2
Dimmable 0-10V 20W	60.9208	1 - 2
Dimmable 0-10V 40W	60.9845	1 - 3
Mains Dimming 20W	60.9467	1 - 2
Casambi 26W	60.9716	1 - 3

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
Optic Super Spot
05.8226.40
05.8226.14

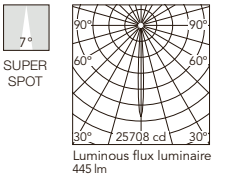


Luminous flux luminaire 416 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	24004	0.12
2	6001	0.23
3	2667	0.35
4	1500	0.47
5	960	0.58

3000K
Optic Super Spot
05.8236.40
05.8236.14

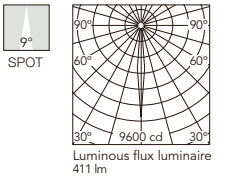


Luminous flux luminaire 445 lm

Beam Angle: 7°

h(m)	E(lx)	D(m)
1	25708	0.12
2	6427	0.23
3	2856	0.35
4	1607	0.47
5	1028	0.58

Optic Spot
05.8227.40
05.8227.14

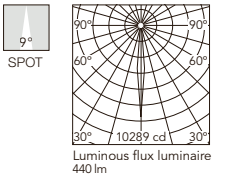


Luminous flux luminaire 411 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	9600	0.16
2	2400	0.33
3	1067	0.49
4	600	0.65
5	384	0.81

Optic Spot
05.8237.40
05.8237.14

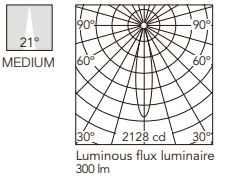


Luminous flux luminaire 440 lm

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	10289	0.16
2	2572	0.33
3	1143	0.49
4	643	0.65
5	412	0.81

Optic Medium
05.8228.40
05.8228.14

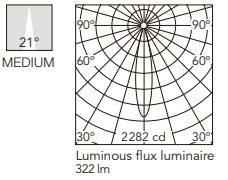


Luminous flux luminaire 300 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2128	0.36
2	532	0.73
3	236	1.09
4	133	1.46
5	85	1.82

Optic Medium
05.8238.40
05.8238.14



Luminous flux luminaire 322 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	2282	0.36
2	570	0.73
3	254	1.09
4	143	1.46
5	91	1.82

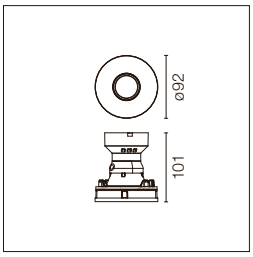
* The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

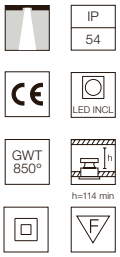
* La combinación de modelos con fuente de luz Power LED y LED Array puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda emplear la misma fuente de luz en espacios compartidos.

Eclectic Ø90 Dim To Warm. Fixed Cone

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight no orientable. Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Optic Medium

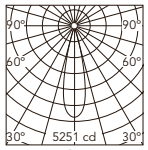
Dali 2
- 05.8301.40.DA
- 05.8301.14.DA

1-10V
- 05.8301.40.1V
- 05.8301.14.1V

Casambi
- 05.8301.40.CB
- 05.8301.14.CB

Mains Dimming
- 05.8301.40.NI
- 05.8301.14.NI





Luminous flux luminaire
850 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5251	0.43
2	1313	0.87
3	583	1.30
4	328	1.73
5	210	2.17

Optic Flood

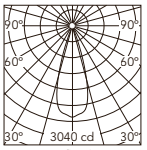
Dali 2
- 05.8302.40.DA
- 05.8302.14.DA

1-10V
- 05.8302.40.1V
- 05.8302.14.1V

Casambi
- 05.8302.40.CB
- 05.8302.14.CB

Mains Dimming
- 05.8302.40.NI
- 05.8302.14.NI





Luminous flux luminaire
852 lm

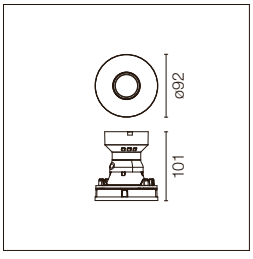
Beam Angle: 33°

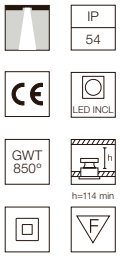
h(m)	E(lx)	D(m)
1	3040	0.59
2	760	1.18
3	338	1.78
4	190	2.37
5	122	2.96

Eclectic Ø90 Dim To Warm. Fixed Soft

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight no orientable. Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Optic Medium

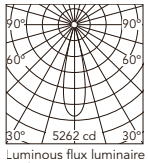
Dali 2
- 05.8306.40.DA
- 05.8306.14.DA

1-10V
- 05.8306.40.1V
- 05.8306.14.1V

Casambi
- 05.8306.40.CB
- 05.8306.14.CB

Mains Dimming
- 05.8306.40.NI
- 05.8306.14.NI





Luminous flux luminaire
849 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5262	0.43
2	1316	0.87
3	585	1.30
4	329	1.73
5	210	2.16

Optic Flood

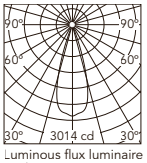
Dali 2
- 05.8307.40.DA
- 05.8307.14.DA

1-10V
- 05.8307.40.1V
- 05.8307.14.1V

Casambi
- 05.8307.40.CB
- 05.8307.14.CB

Mains Dimming
- 05.8307.40.NI
- 05.8307.14.NI





Luminous flux luminaire
851 lm

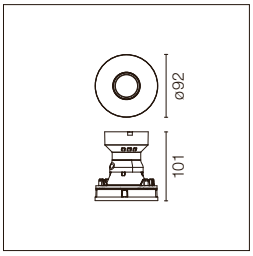
Beam Angle: 33°

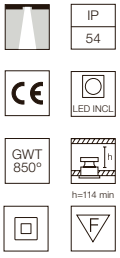
h(m)	E(lx)	D(m)
1	3014	0.59
2	754	1.19
3	335	1.78
4	188	2.38
5	121	2.97

Eclectic Ø90 Dim To Warm. Fixed Flat

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Non-adjustable Downlight. “Flat” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP54 water tightness. Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight no orientable. Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP54. Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

Optic Medium

Dali 2

- 05.8311.40.DA
- 05.8311.14.DA

1-10V

- 05.8311.40.1V
- 05.8311.14.1V

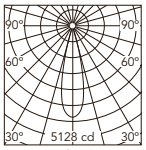
Casambi

- 05.8311.40.CB
- 05.8311.14.CB

Mains Dimming

- 05.8311.40.NI
- 05.8311.14.NI





Luminous flux luminaire
831 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	5128	0.44
2	1282	0.88
3	570	1.32
4	321	1.76
5	205	2.20

Optic Flood

Dali 2

- 05.8312.40.DA
- 05.8312.14.DA

1-10V

- 05.8312.40.1V
- 05.8312.14.1V

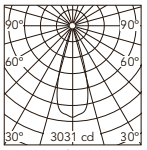
Casambi

- 05.8312.40.CB
- 05.8312.14.CB

Mains Dimming

- 05.8312.40.NI
- 05.8312.14.NI

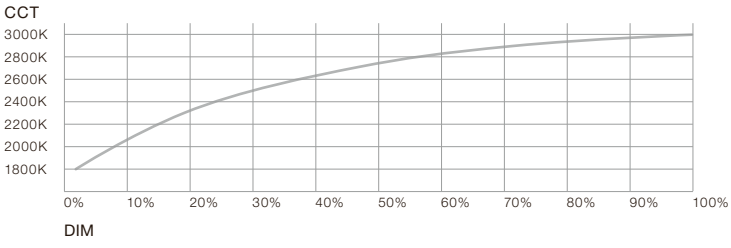




Luminous flux luminaire
829 lm

Beam Angle:	33°	
h(m)	E(lx)	D(m)
1	3031	0.59
2	758	1.18
3	337	1.77
4	189	2.36
5	121	2.95

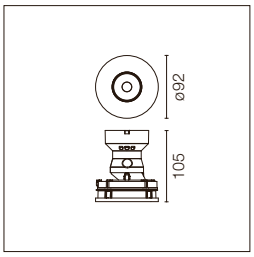
ECLECTIC DIM TO WARM. HOW IT WORKS?

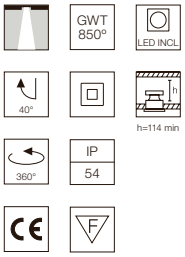


Eclectic Ø90 Dim To Warm. Adjustable Cone

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Adjustable Downlight (40º tilt, 360º rotation). “Cone” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «cone». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

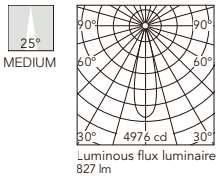
Optic Medium

Dali 2
- 05.8341.40.DA
- 05.8341.14.DA

1-10V
- 05.8341.40.1V
- 05.8341.14.1V

Casambi
- 05.8341.40.CB
- 05.8341.14.CB

Mains Dimming
- 05.8341.40.NI
- 05.8341.14.NI



Luminous flux luminaire
827 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	4976	0.44
2	1244	0.88
3	553	1.32
4	311	1.76
5	199	2.21

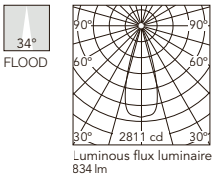
Optic Flood

Dali 2
- 05.8342.40.DA
- 05.8342.14.DA

1-10V
- 05.8342.40.1V
- 05.8342.14.1V

Casambi
- 05.8342.40.CB
- 05.8342.14.CB

Mains Dimming
- 05.8342.40.NI
- 05.8342.14.NI



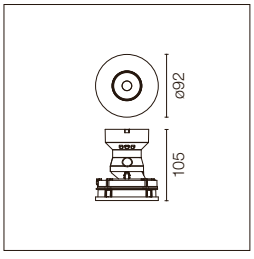
Luminous flux luminaire
834 lm

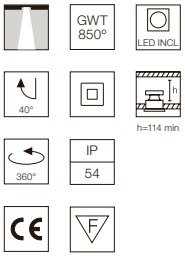
Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	2811	0.61
2	703	1.22
3	312	1.82
4	176	2.43
5	112	3.04

Eclectic Ø90 Dim To Warm. Adjustable Soft

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Adjustable Downlight (40º tilt, 360º rotation). “Soft” style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 41º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «soft». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 41º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

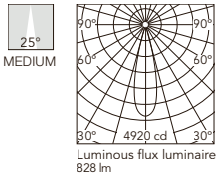
Optic Medium

Dali 2
- 05.8346.40.DA
- 05.8346.14.DA

1-10V
- 05.8346.40.1V
- 05.8346.14.1V

Casambi
- 05.8346.40.CB
- 05.8346.14.CB

Mains Dimming
- 05.8346.40.NI
- 05.8346.14.NI



Luminous flux luminaire
828 lm

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	4920	0.45
2	1230	0.89
3	547	1.34
4	308	1.78
5	197	2.23

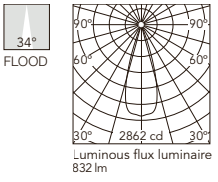
Optic Flood

Dali 2
- 05.8347.40.DA
- 05.8347.14.DA

1-10V
- 05.8347.40.1V
- 05.8347.14.1V

Casambi
- 05.8347.40.CB
- 05.8347.14.CB

Mains Dimming
- 05.8347.40.NI
- 05.8347.14.NI



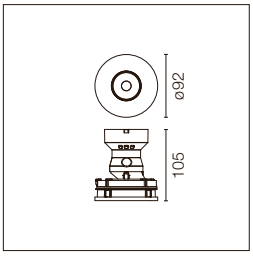
Luminous flux luminaire
832 lm

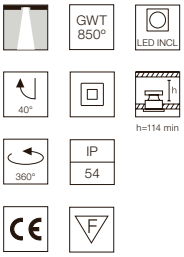
Beam Angle:	34°	
h(m)	E(lx)	D(m)
1	2862	0.60
2	716	1.21
3	318	1.81
4	179	2.41
5	114	3.01

Eclectic Ø90 Dim To Warm. Adjustable Flat

Light Source: LED Array DC 300 mA - 13W - 1026 lm - 1800-3000K/CRI 90







Eclectic Ø90 Dim To Warm. Adjustable Downlight (40º tilt, 360º rotation). "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49º cut-off angle. IP20 water tightness (for IP54, please ask the dedicated accessory). Alternative options for lenses, orientation modules and style façades are available as spare parts.

Eclectic Ø90 Dim To Warm. Downlight orientable (basculación 40º, giro 360º). Frontal de estética tipo «flat». Premarcos de instalación necesarios, no incluidos (pedir por separado). Posición del LED retranqueada: ángulo cut-off de 49º. Estanqueidad IP20 (para IP54, pedir accesorio dedicado). Opciones alternativas de lentes, módulos de orientabilidad y frontales estéticos están disponibles como repuestos / recambios.

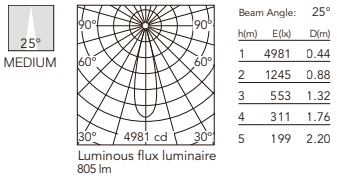
Optic Medium

Dali 2
- 05.8351.40.DA
- 05.8351.14.DA

1-10V
- 05.8351.40.1V
- 05.8351.14.1V

Casambi
- 05.8351.40.CB
- 05.8351.14.CB

Mains Dimming
- 05.8351.40.NI
- 05.8351.14.NI



Luminous flux luminaire
805 lm

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	4981	0.44
2	1245	0.88
3	553	1.32
4	311	1.76
5	199	2.20

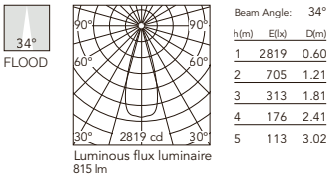
Optic Flood

Dali 2
- 05.8352.40.DA
- 05.8352.14.DA

1-10V
- 05.8352.40.1V
- 05.8352.14.1V

Casambi
- 05.8352.40.CB
- 05.8352.14.CB

Mains Dimming
- 05.8352.40.NI
- 05.8352.14.NI

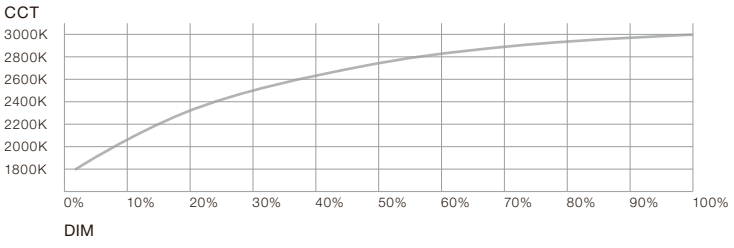


Luminous flux luminaire
815 lm

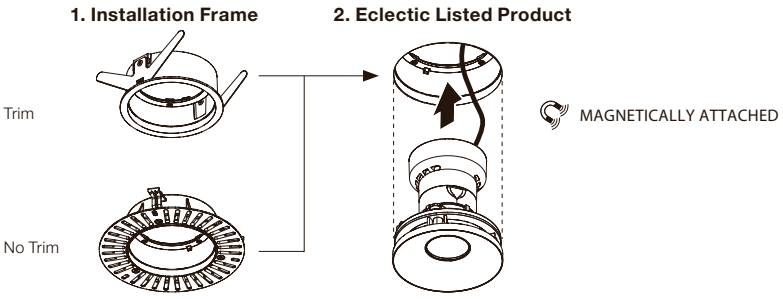
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2819	0.60
2	705	1.21
3	313	1.81
4	176	2.41
5	113	3.02

ECLECTIC DIM TO WARM. HOW IT WORKS?

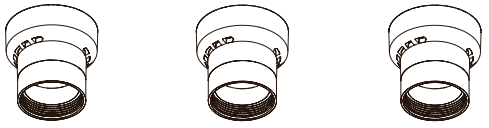


HOW TO ORDER ECLECTIC Ø90



ACCESSORIES & SPARE PARTS ECLECTIC Ø90

LIGHT ENGINE MODULE
Not Sold as Spare Part



LED Array | Power LED | LED Array DIM To Warm*

LENS MODULE
Spare Part



Super Spot | Spot | Medium | Flood | Wide Flood

ACCESSORIES



Honeycomb | Dichroic filter CCT Increase | Dichroic filter CCT Decrease | IP 54 Accessory (Only for adjustable)

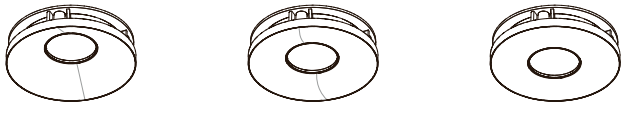
ORIENTATION MODULE
Spare Part



Fixed | Adjustable

MAGNETICALLY ATTACHED | MAGNETICALLY ATTACHED

STYLE MODULE
Spare Part



Cone | Soft | Flat

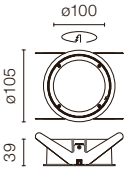
Light Engine Module not Sold as Spare Part. Special Orders Please Consult.
* In Dim to Warm models the driver is included. In the rest of the models, it is supplied separately.

Accessories Ø90 / Accesorios Ø90

Trim Frame.
For further and full installation measures & requirements, please consult mounting instructions.

Marco de Instalación Trim.
Para conocer los requisitos y medidas de instalación al completo, por favor, consulte las instrucciones de montaje.



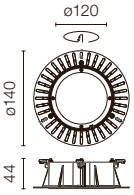


08.0671.40
08.0671.14

No Trim Frame.
For further and full installation measures & requirements, please consult mounting instructions.

Marco de Instalación No Trim.
Para conocer los requisitos y medidas de instalación al completo, por favor, consulte las instrucciones de montaje.





08.0673.00

Honeycomb

Panel de abeja



08.0728.00

Adjustable IP 54

IP 54 Ajustable

08.0730.00

Dichroic CCT Filter

Filtros Dicroicos CCT



Increase
2700K >> 3125±75K
3000K >> 3600±75K
08.0735.00

Decrease
2700K >> 2450±75K
3000K >> 2700±75K
08.0736.00

Spare parts Ø90 / Repuestos Ø90

Lenses

Lentes



LED Array
Opic Spot
08.0714.00
Opic Medium
08.0715.00
Opic Flood
08.0716.00
Opic Wide Flood
08.0717.00

LED Array DIM To Warm
Opic Medium
08.0715.00
Opic Flood
08.0716.00

Power LED
Opic Super Spot
08.0718.00
Opic Spot
08.0719.00
Opic Medium
08.0720.00

Orientation Module

Módulo de Orientabilidad



Fixed
08.0741.00

Adjustable
08.0742.00

Style Modules

Módulos Estéticos



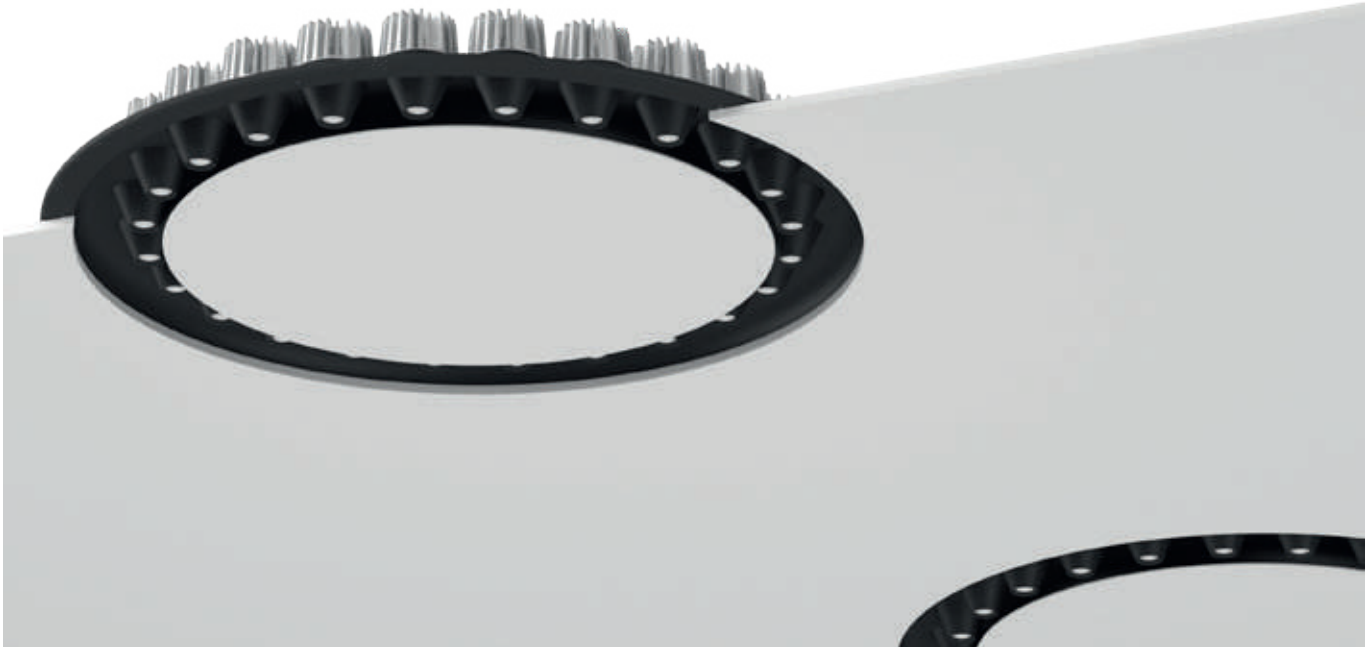
Cone
08.0724.40
08.0724.14

Soft
08.0725.40
08.0725.14

Flat
08.0726.40
08.0726.14

CIRCLE OF LIGHT

DESIGNED BY FLOS ARCHITECTURAL



CIRCLE OF LIGHT
300 mm



LIGHT SOURCE
POWER LED
12x3W
12x325 lm
2700K/CRI 90
12x3W
12x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
600 mm



LIGHT SOURCE
POWER LED
24x3W
24x325 lm
2700K/CRI 90
24x3W
24x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
900 mm



LIGHT SOURCE
POWER LED
36x3W
36x325 lm
2700K/CRI 90
36x3W
36x370 lm
3000K/CRI 90

14 Black
14 Negro



reddot design award
winner 2013

Description
A lighting system for indoor application comprised of a circular metal structure on which individual LED lighting spots are placed. The fitting is pre-wired and comes with a “Soft Architecture” type frame for an easy and seamless installation on the plasterboard ceiling.
The LED lighting modules are attached with a magnet for an easy mounting and for the maintenance no special tools are needed.
Circle of Light is available in three diameters: 300, 600 or 900 mm comprised of 12, 24 or 36 LED Lighting Spots, according to each size.

Reflectors
The LED spotlight set for the Circle of Light is available for Accent Lighting or General Lighting optic concepts. Herewith this fitting offers a some flexibility to create the desired ambiance.

Power Supply
Remote equipment 1050 mA included.
Driver 1-10V (1V means 10%) for passive dimming controls (sink system). Also compatible with active dimming controls 0,6-10V (source system).
The 1–10-V version can also be controlled a simple button without courtesy light. Cables available for synchronization between drivers (contact the technical department for more details about installation).

Additional Information
The luminaire is supplied with a constant current remote power supply which is connected to a connection distributor equipped with quick connections, to ensure a successful installation where no specific tools are required. Since the central part of the luminaire can be removed, subsequent access to both the power supply and the connection distributor and its interconnecting wiring is ensured. This means that the maintenance work can be carried out easily and conveniently.
IP20 protection grade.
Insulation class II.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance Of Standards And Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria empotrada de interiores con una fácil instalación en techos de cartón yeso, formada por una estructura circular sobre la cual viene posicionado un módulo de iluminación LED, reproducido a lo largo de su perímetro. El producto se suministra pre-instalado sobre un perfil tipo “Soft Architecture” para garantizar su fácil montaje y perfecta integración en el techo.
Mediante un sistema de fijación magnética las labores de instalación de los módulos de luz, así como futuras operaciones de mantenimiento, se pueden realizar sin la necesidad de herramientas específicas.
Circle of Light está disponible en tres diámetros: 300, 600 y 900 mm formados por 12, 24 ó 36 proyectores respectivamente.

Reflectores
La luminaria se encuentra disponible en versiones de luz de acento con ópticas intensivas (accent lighting) o luz ambiental con ópticas extensivas (general lighting), dotando al sistema de cierta flexibilidad para adecuarse a los requerimientos de iluminación.

Unidades de Alimentación
Fuente de alimentación remota a 1050 mA incluida.
Driver 1-10V (1V funciona al 10%) para sistemas de dimado pasivos (sink systems). También compatible con sistemas de dimado activos 0,6-10V (source system).
La versión 1-10V también puede ser controlada vía pulsador simple sin luz de cortesía. Disponibles cables de sincronización entre drivers (consultar departamento técnico para más detalles sobre su instalación).

Información Adicional
La luminaria se suministra con una fuente de alimentación remota de corriente constante que se conecta a un distribuidor de conexiones equipado con conexiones rápidas, de tal forma que su instalación correcta queda garantizada y no se requiere de herramientas específicas. El posterior acceso tanto a la fuente de alimentación, como al distribuidor de conexiones y su cableado de interconexión, queda garantizado gracias a la posibilidad de retirar la parte central de la luminaria, de tal modo que las labores de mantenimiento se puedan realizar de forma cómoda y sencilla.
Índice de protección IP20.
Clase de aislamiento II.

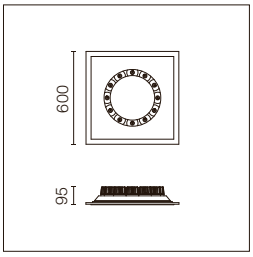
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

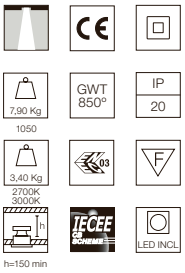
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Circle Of Light 300 mm

Light Source: Power LED 12x4,5W - 12x315 lm - 2700K/CRI 90 / 12x4,5W - 12x297 lm - 3000K/CRI 90







Lighting system, seamless ceiling mounted, for 12 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Accent lighting and general lighting: 1 unit must be ordered.

For Casambi versions consult the Front Office.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 12 focos tipo LED. Caja de 12 focos, junto con su correspondiente sistema eléctrico no incluido, se sirve por separado. La versión 1-10V es regulable desde 10% al 100%.

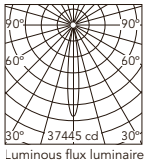
Luz de acento y luz general: se debe pedir 1 unidad.

Para versiones Casambi consultar con el Front Office.

Ø300
Soft Plate
SA.1050.1

2700K
Set of 12 spots. Accent Lighting





Luminous flux luminaire
2263 lm *1 x Set 12 Spots

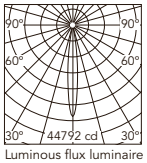
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	37445	0.24
2	9361	0.48
3	4161	0.72
4	2340	0.95
5	1498	1.19

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

3000K
Set of 12 spots. Accent Lighting





Luminous flux luminaire
2417 lm *1 x Set 12 Spots

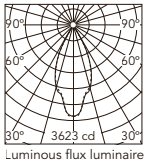
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	44792	0.22
2	11198	0.43
3	4977	0.65
4	2800	0.87
5	1792	1.08

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

2700K
Set of 12 spots. General Lighting





Luminous flux luminaire
1799 lm *1 x Set 12 Spots

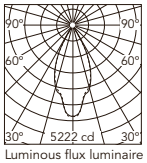
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	3622	0.84
2	905	1.69
3	402	2.53
4	226	3.37
5	145	4.22

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

3000K
Set of 12 spots. General Lighting





Luminous flux luminaire
2592 lm *1 x Set 12 Spots

Beam Angle: 46°

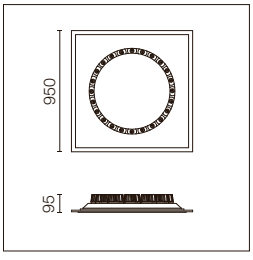
h(m)	E(lx)	D(m)
1	5219	0.84
2	1305	1.69
3	580	2.53
4	326	3.37
5	209	4.22

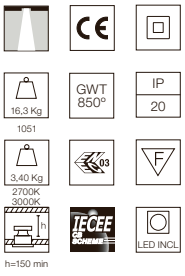
No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

Circle Of Light 600 mm

Light Source: Power LED 24x4,5W - 24x315 lm - 2700K/CRI 90 / 24x4,5W - 24x297 lm - 3000K/CRI 90







Lighting system, seamless ceiling mounted, for 24 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Accent lighting and general lighting: 2 units must be ordered.

For Casambi versions consult the Front Office.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 24 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

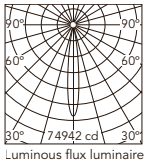
Luz de acento y luz general: se deben pedir 2 unidades.

Para versiones Casambi consultar con el Front Office.

Ø600
Soft Plate
SA.1051.1

2700K
Set of 12 spots. Accent Lighting





Luminous flux luminaire
4529 lm *2 x Set 12 Spots

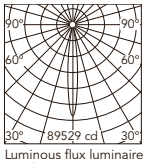
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	74942	0.24
2	18736	0.48
3	8327	0.72
4	4684	0.95
5	2998	1.19

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

3000K
Set of 12 spots. Accent Lighting





Luminous flux luminaire
4831 lm *2 x Set 12 Spots

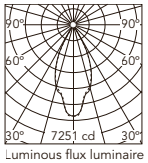
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	89529	0.22
2	22382	0.43
3	9948	0.65
4	5596	0.87
5	3581	1.08

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

2700K
Set of 12 spots. General Lighting





Luminous flux luminaire
3600 lm *2 x Set 12 Spots

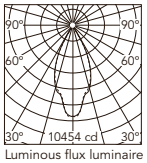
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	7248	0.84
2	1812	1.69
3	805	2.53
4	453	3.37
5	290	4.22

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

3000K
Set of 12 spots. General Lighting





Luminous flux luminaire
5189 lm *2 x Set 12 Spots

Beam Angle: 46°

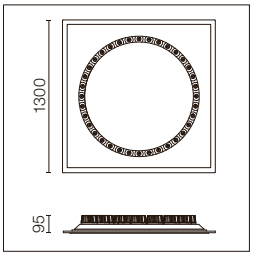
h(m)	E(lx)	D(m)
1	10449	0.84
2	2612	1.69
3	1161	2.53
4	653	3.37
5	418	4.22

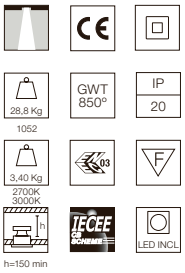
No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

Circle Of Light 900 mm

Light Source: Power LED 36x4,5W - 36x315 lm - 2700K/CRI 90 / 36x4,5W - 36x297 lm - 3000K/CRI 90







Lighting system, seamless ceiling mounted, for 36 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Accent lighting and general lighting: 3 units must be ordered.

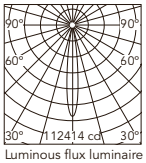
Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 36 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

Luz de acento y luz general: se deben pedir 3 unidades.

Ø900
Soft Plate
SA.1052.1

2700K
Set of 12 spots. Accent Lighting

14°



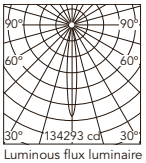
Luminous flux luminaire
6794 lm *3 x Set 12 Spots

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	112414	0.24
2	28103	0.48
3	12490	0.72
4	7026	0.95
5	4497	1.19

No DIM
08.8662.14D
1-10V
08.8662.14D1V
Dali Version
08.8662.14DDA

3000K
Set of 12 spots. Accent Lighting

12°



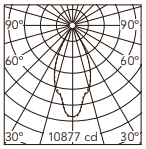
Luminous flux luminaire
7246 lm *3 x Set 12 Spots

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	134293	0.22
2	33573	0.43
3	14921	0.65
4	8393	0.87
5	5372	1.08

No DIM
08.8572.14D
1-10V
08.8572.14D1V
Dali Version
08.8572.14DDA

2700K
Set of 12 spots. General Lighting

46°



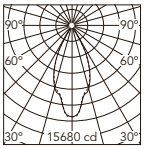
Luminous flux luminaire
5399 lm *3 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	10872	0.84
2	2718	1.69
3	1208	2.53
4	680	3.37
5	435	4.22

No DIM
08.8663.14D
1-10V
08.8663.14D1V
Dali Version
08.8663.14DDA

3000K
Set of 12 spots. General Lighting

46°



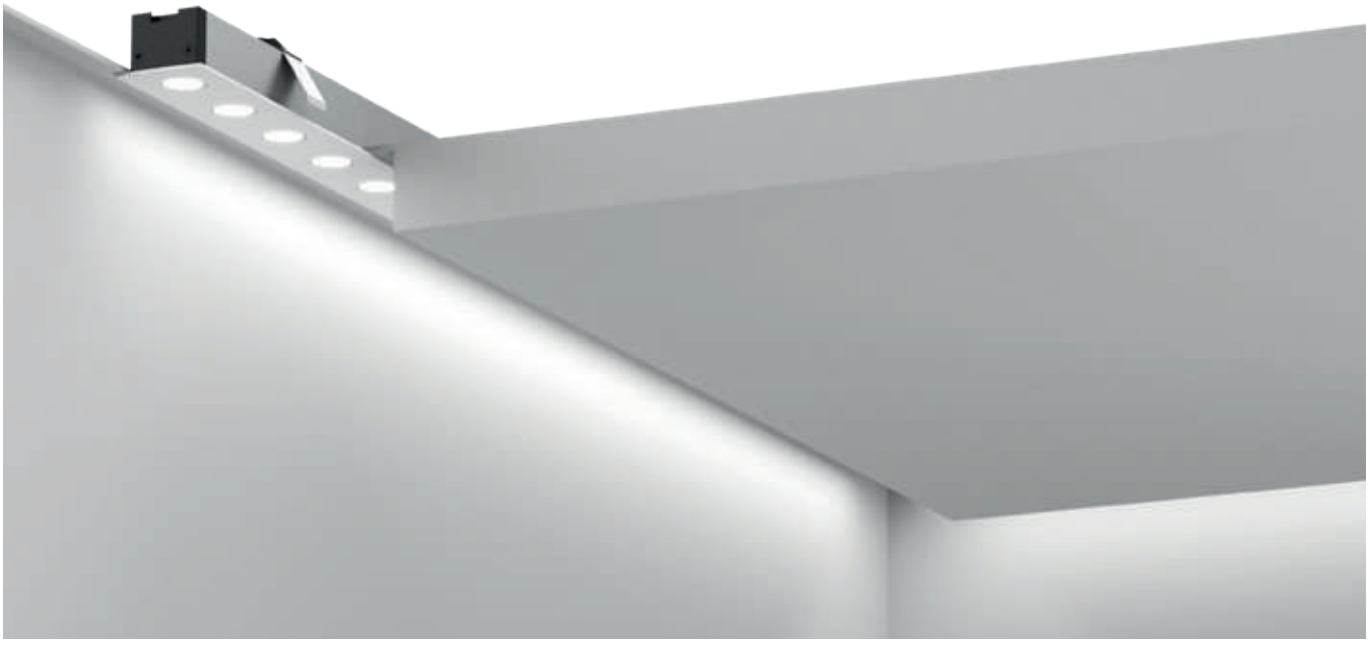
Luminous flux luminaire
7784 lm *3 x Set 12 Spots

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	15673	0.84
2	3918	1.69
3	1741	2.53
4	980	3.37
5	627	4.22

No DIM
08.8573.14D
1-10V
08.8573.14D1V
Dali Version
08.8573.14DDA

LED CURTAIN

DESIGNED BY FLOS ARCHITECTURAL





LIGHT SOURCE
POWER LED
29W/m
24V
2845 lm/m
3000K/CRI 90
3495 lm/m
4000K/CRI 90

☐ 30 White
30 Blanco



Description
Embedded light fixtures for LED light source. Made of two extruded aluminium sections used to dissipate the heat from the power LEDs.
With elliptical lenses for perfect light distribution.
Available in modules of different lengths which can be interconnected by a Tyco-type fast-connection cable.

Power Supply
24V power supplies available with a power of between 20W and 100W (maximum 3 metres in length).
Control system with 1-10V dimmer or Dali available.

Additional Information
LED modules of different lengths, inter-connectable using the connection cable. With fast Tyco-type connectors, for power supply with the cable provided for this purpose, available with accessories. Maximum length from a connection point 3 metres.
IP20 protection grade.
Insulation class III.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria empotrada con fuente de luz LED. Realizada mediante dos perfiles de aluminio extruido que se emplean como disipador de calor para los LEDs de potencia.
Dispone de lentes elípticas para una perfecta distribución luminosa.
Disponible en módulos de diferentes longitudes interconectables entre sí mediante un cable de unión con conexión rápido tipo Tyco.

Unidades de Alimentación
Fuentes de alimentación de 24V disponibles desde 20W hasta 100W de potencia. (máximo 3 metros de longitud).
Sistema de control con dimmer 1-10V o Dali disponibles.

Información Adicional
Módulos de LED de diferentes longitudes conectables entre sí mediante el accesorio cable de unión. Dispone de conectores rápidos tipo Tyco, por lo que la alimentación se debe de realizar con el cable previsto para ello disponible en los accesorios.
Máxima longitud desde un punto de alimentación 3 metros.
Índice de protección IP20.
Clase de aislamiento III.

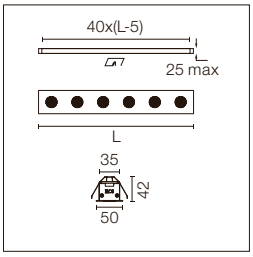
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

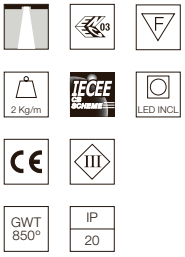
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

LED Curtain

Light Source: Power LED 29W/m - 24V - 2845 lm/m - 3000K/CRI 90 / 29W/m - 24V - 3495 lm/m - 4000K/CRI 90





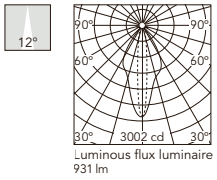


Recessed luminaire for direct lighting with LED. Elliptical lens 12°x52º incorporated. Remote transformer not included.

Luminaria empotrada de iluminación directa con LED. Incorpora lente elíptica 12°x52º. Transformador remoto no incluido.

3000K

L: 600 mm
17,3W - 1906 lm - 12 LEDs
☐ 03.3902.30E



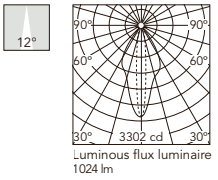
Luminous flux luminaire
931 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	3004	0.21
2	751	0.42
3	334	0.62
4	188	0.83
5	120	1.04

4000K

L: 600 mm
17,3W - 2097 lm - 12 LEDs
☐ 03.3922.30E

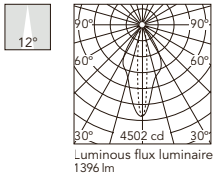


Luminous flux luminaire
1024 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	3304	0.21
2	826	0.42
3	367	0.62
4	207	0.83
5	132	1.04

L: 900 mm
26W - 2859 lm - 18 LEDs
☐ 03.3903.30E

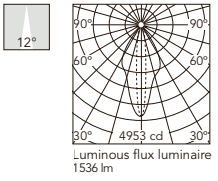


Luminous flux luminaire
1396 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	4505	0.21
2	1126	0.42
3	501	0.62
4	282	0.83
5	180	1.04

L: 900 mm
26W - 3146 lm - 18 LEDs
☐ 03.3923.30E

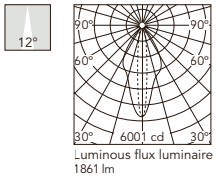


Luminous flux luminaire
1536 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	4956	0.21
2	1239	0.42
3	551	0.62
4	310	0.83
5	198	1.04

L: 1200 mm
34,7W - 3412 lm - 24 LEDs
☐ 03.3904.30E

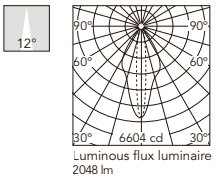


Luminous flux luminaire
1861 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	6005	0.21
2	1501	0.42
3	667	0.62
4	375	0.83
5	240	1.04

L: 1200 mm
34,7W - 4194 lm - 24 LEDs
☐ 03.3924.30E



Luminous flux luminaire
2048 lm

Beam Angle: 12°

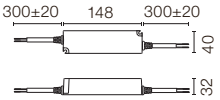
h(m)	E(lx)	D(m)
1	6608	0.21
2	1652	0.42
3	734	0.62
4	413	0.83
5	264	1.04

Drivers / Equipos

Electronic transformer with constant voltage (24V) for LED. 100/240V.

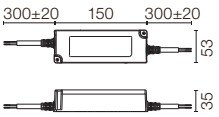
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





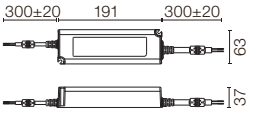
25W
60.8703





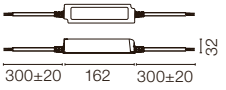
60W
60.9089





120W
60.9407



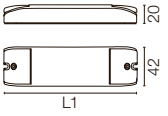


60W
60.8515

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.





1-10V
60.8640
L1: 172

DALI
60.9766
L1: 181

Connection cable between modules with Tyco fast connection cable.

Cable de unión entre módulos con conexión rápida tipo Tyco.



L: 100 mm
06.1032.00
L: 500 mm
06.1033.00

Power cable with Tyco fast connection cable. Maximum supply length 3 metres.

Cable de alimentación con conexión rápida tipo Tyco. Máxima longitud a alimentar 3 metros.



L: 500 mm
06.1034.00

DOWNLIGHTS

Kap, Bon Jour, UT Downlight, Light Supply,
Wan Downlight, Johnny.

KAP

DESIGNED BY FLOS ARCHITECTURAL

KAP Ø50

FIXED



ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

KAP 80

FIXED



LIGHT SOURCE
KAP 80
LED ARRAY
9,2W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

LIGHT SOURCE
KAP 80 PLUS
LED ARRAY
13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

ADJUSTABLE



LIGHT SOURCE
KAP 80 DTW
LED ARRAY
13W
1023 lm
1800K-2850K
CRI 95
Dim To Warm

WALL-WASHER



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

KAP Ø105

FIXED



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

ADJUSTABLE



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

WALL-WASHER



LIGHT SOURCE
LED
PAR 16
GZ10

DEEP



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

SQUARE FIXED



LIGHT SOURCE
LED
QR-CBC 51
GX5.3

KAP COLORS - TRIMLESS MOUNTING

- B1 White / B1 Blanco
- GL Matte Gold / GL Oro Mate
- 74 Black / 74 Negro
- EQ Copper / EQ Cobre



EASY KAP

DESIGNED BY FLOS ARCHITECTURAL

EASY KAP Ø30

FIXED



ADJUSTABLE



LIGHTSOURCE
POWER LED
4,7W
222 lm
2700K/CRI95
229 lm
3000K/CRI95

EASY KAP Ø50

FIXED



ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

EASY KAP 80

FIXED



ADJUSTABLE



WALL-WASHER



LIGHT SOURCE
EASY KAP 80
LED ARRAY
9,2W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

LIGHT SOURCE
EASY KAP 80 PLUS
LED ARRAY
13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

LIGHT SOURCE
EASY KAP 80 DTW
LED ARRAY
13W
1023 lm
1800K-2850K
CRI 95
Dim To Warm

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

EASY KAP Ø105

FIXED



ADJUSTABLE



WALL-WASHER



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LIGHT SOURCE
LED
PAR 16
GZ10

EASY KAP COLORS - TRIM MOUNTING

B1 White
B1 Blanco



GL Matte Gold
GL Oro Mate



74 Black
74 Negro



EQ Copper
EQ Cobre



Description
Luminaire for embedded installation in ceilings for LEDs lamps.
The Easy Kap version has an aluminium injected body for the 50, 80 and 105 mm versions, with a liquid paint, dust and/or metallic copper finish with a glass or plastic diffuser depending on the version. Easy Kap: does not need a pre-installation frame.
The Kap version has an aluminium-injected body with a liquid paint and metallic copper finish. Available in three diameters: 50 mm, 80 mm and 105 mm.
Main optics in shiny anodised aluminium with a glass or plastic diffuser element, depending on the version.
Lamp holder with a dissipating element in injected aluminium and a thermoplastic embedding ring for the optic body.

Power Supply
Easy Kap 30/50/80/105 LED and Kap 50 and 80: Remote equipment not included.
Kap 105 LED/Kap 80 and Easy Kap 80 Dim To Warm: 1-10V remote equipment included. The output voltage of the equipment must always be less than 60Vdc.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
Pre-installation frame for the round and square Kap 50 and 80 and 105 version.
Available for installation on cement.

Additional Information
IP20, IP23, IP43, IP44, IP54 protection grade depending on the versions.
Insulation class I, II, III depending on the versions.
- KAP 50 / 80 / 105:
The LED modules installed on the LED Array versions have cutting-edge technology that permits a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters yet still offer 20% added luminous flux.
The new “Dim To Warm” technology reproduces the effect of a traditional lamp, offering a warmer light by reducing the light intensity.
The “Dim To Warm” luminaries are dimmed through the 1-10V protocol.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria para ser instalada empotrada en techos para lámparas LED.
La versión Easy Kap dispone de cuerpo inyectado en aluminio para la versiones de 50, 80 y 105mm, con acabado en pintura líquida, polvo y/o cobre metalizado con cristal difusor opal incluido. Easy Kap: no necesita pre-marco de instalación.
La versión Kap dispone de cuerpo inyectado en aluminio con acabado en pintura líquida y cobre metalizado. Está disponible en tres diámetros: 50mm, 80 mm y 105 mm.
Óptica principal realizada en aluminio anodizado brillo con elemento difusor realizado en cristal o plástico dependiendo de versiones.
Portalámparas con elemento disipador en aluminio inyectado y aro de empotramiento del cuerpo óptico en material termoplástico.

Unidades de Alimentación
Easy Kap 30/50/80/105 LED y Kap 50 y 80: equipo remoto no incluido.
Kap 105 LED/Kap 80 e Easy Kap 80 Dim To Warm: equipo remoto 1-10V incluido. El voltaje de salida del equipo debe ser siempre inferior a 60Vdc.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Accesorios
Pre-marco de instalación para las versiones Kap 50 y 80 redondo y cuadrado y 105 redondo.
Disponibles can para instalación en cemento.

Información Adicional
Índice de protección IP20, IP23, IP43, IP44, IP54, según las versiones.
Clase de aislamiento I, II, III, según las versiones.
- KAP 50 / 80 / 105:
Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.
La nueva tecnología “Dim To Warm” reproduce el efecto de las viejas lámparas halógenas al ser reguladas, ofreciendo más calidez al reducir la intensidad lumínica.
Las luminarias “Dim To Warm” se regulan mediante el protocolo 1-10V.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

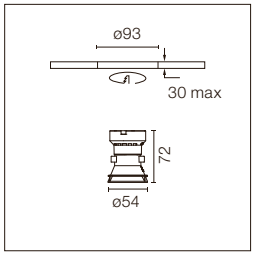
Easy Kap

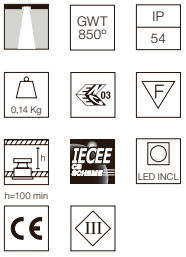
Kap

Kap Ø50 Fixed

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

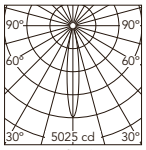
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali 2	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7300.B1
- 05.7300.GL
- 05.7300.74
- 05.7300.EQ

15° SPOT



Luminous flux luminaire
543 lm [EXTREME CUT OFF]
@White (B1)

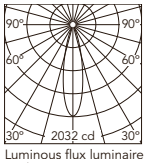
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7301.B1
- 05.7301.GL
- 05.7301.74
- 05.7301.EQ

24° MEDIUM



Luminous flux luminaire
488 lm [EXTREME CUT OFF]
@White (B1)

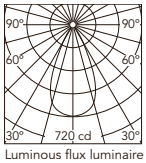
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7302.B1
- 05.7302.GL
- 05.7302.74
- 05.7302.EQ

49° FLOOD



Luminous flux luminaire
496 lm [EXTREME CUT OFF]
@White (B1)

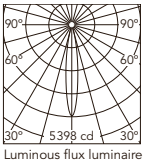
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7305.B1
- 05.7305.GL
- 05.7305.74
- 05.7305.EQ

15° SPOT



Luminous flux luminaire
583 lm [EXTREME CUT OFF]
@White (B1)

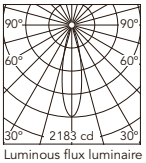
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7306.B1
- 05.7306.GL
- 05.7306.74
- 05.7306.EQ

24° MEDIUM



Luminous flux luminaire
524 lm [EXTREME CUT OFF]
@White (B1)

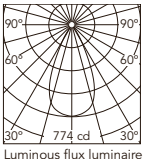
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7307.B1
- 05.7307.GL
- 05.7307.74
- 05.7307.EQ

49° FLOOD



Luminous flux luminaire
532 lm [EXTREME CUT OFF]
@White (B1)

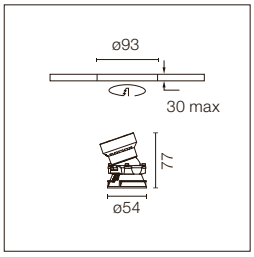
Beam Angle: 49°

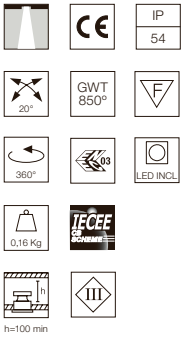
h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø50 Adjustable

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

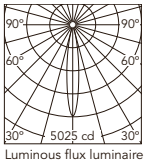
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7310.B1
- 05.7310.GL
- 05.7310.74
- 05.7310.EQ

15° SPOT



Luminous flux luminaire
543 lm (EXTREME CUT OFF)
@White (B1)

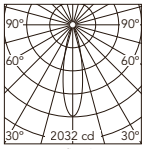
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7311.B1
- 05.7311.GL
- 05.7311.74
- 05.7311.EQ

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)
@White (B1)

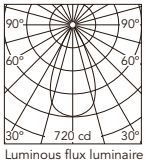
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7312.B1
- 05.7312.GL
- 05.7312.74
- 05.7312.EQ

49° FLOOD



Luminous flux luminaire
496 lm (EXTREME CUT OFF)
@White (B1)

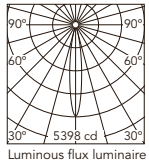
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7315.B1
- 05.7315.GL
- 05.7315.74
- 05.7315.EQ

15° SPOT



Luminous flux luminaire
583 lm (EXTREME CUT OFF)
@White (B1)

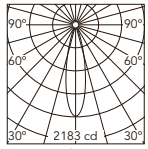
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7316.B1
- 05.7316.GL
- 05.7316.74
- 05.7316.EQ

24° MEDIUM



Luminous flux luminaire
524 lm (EXTREME CUT OFF)
@White (B1)

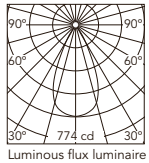
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7317.B1
- 05.7317.GL
- 05.7317.74
- 05.7317.EQ

49° FLOOD



Luminous flux luminaire
532 lm (EXTREME CUT OFF)
@White (B1)

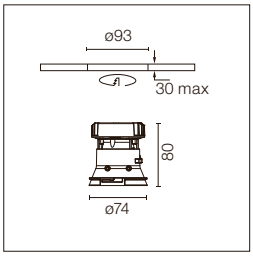
Beam Angle: 49°

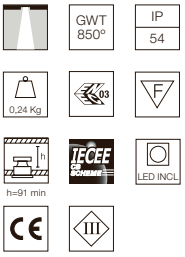
h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Kap Ø80 - Fixed

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

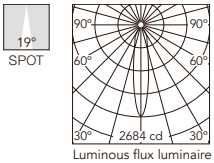
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4531.B1
- 03.4531.GL
- 03.4531.74
- 03.4531.EQ

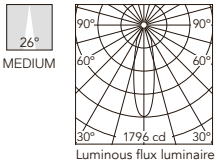


Luminous flux luminaire 710 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2684 0.34
2	671 0.68
3	298 1.02
4	168 1.36
5	107 1.70

Optic Medium 2700K

- 03.4181.B1
- 03.4181.GL
- 03.4181.74
- 03.4181.EQ

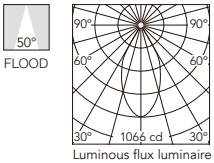


Luminous flux luminaire 606 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	1796 0.46
2	449 0.92
3	200 1.39
4	112 1.85
5	72 2.31

Optic Flood 2700K

- 03.4533.B1
- 03.4533.GL
- 03.4533.74
- 03.4533.EQ

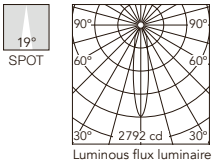


Luminous flux luminaire 688 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	50°
h(m)	E(lx) D(m)
1	1066 0.93
2	266 1.86
3	118 2.79
4	67 3.72
5	43 4.65

Optic Spot 3000K

- 03.4530.B1
- 03.4530.GL
- 03.4530.74
- 03.4530.EQ

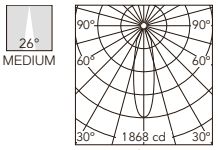


Luminous flux luminaire 739 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2792 0.34
2	698 0.68
3	310 1.02
4	175 1.36
5	112 1.70

Optic Medium 3000K

- 03.4180.B1
- 03.4180.GL
- 03.4180.74
- 03.4180.EQ

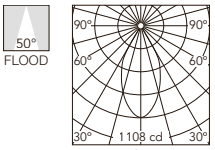


Luminous flux luminaire 630 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	26°
h(m)	E(lx) D(m)
1	1868 0.46
2	467 0.92
3	208 1.39
4	117 1.85
5	75 2.31

Optic Flood 3000K

- 03.4532.B1
- 03.4532.GL
- 03.4532.74
- 03.4532.EQ



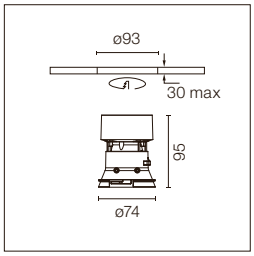
Luminous flux luminaire 715 lm [EXTREME CUT OFF]
@White (B1)

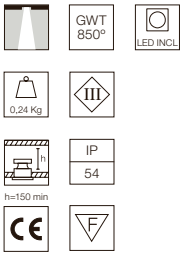
Beam Angle:	50°
h(m)	E(lx) D(m)
1	1108 0.93
2	277 1.86
3	123 2.79
4	69 3.72
5	44 4.65

Kap Ø80 Plus - Fixed

Light Source: Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

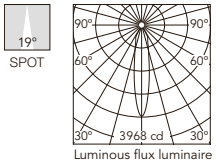
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7451.B1
- 05.7451.GL
- 05.7451.74
- 05.7451.EQ



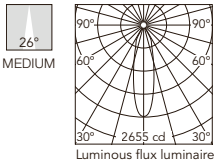
Luminous flux luminaire
1050 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3968	0.34
2	992	0.68
3	441	1.02
4	248	1.36
5	159	1.70

Optic Medium 2700K

- 05.7411.B1
- 05.7411.GL
- 05.7411.74
- 05.7411.EQ



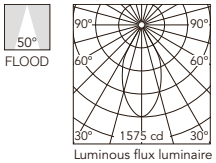
Luminous flux luminaire
896 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2655	0.46
2	664	0.92
3	295	1.39
4	166	1.85
5	106	2.31

Optic Flood 2700K

- 05.7453.B1
- 05.7453.GL
- 05.7453.74
- 05.7453.EQ



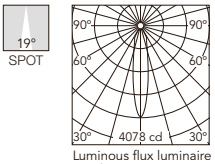
Luminous flux luminaire
1017 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1575	0.93
2	394	1.86
3	175	2.79
4	98	3.72
5	63	4.65

Optic Spot 3000K

- 05.7450.B1
- 05.7450.GL
- 05.7450.74
- 05.7450.EQ



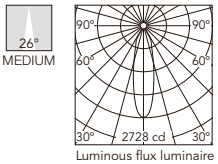
Luminous flux luminaire
1079 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4078	0.34
2	1019	0.68
3	453	1.02
4	255	1.36
5	163	1.70

Optic Medium 3000K

- 05.7410.B1
- 05.7410.GL
- 05.7410.74
- 05.7410.EQ



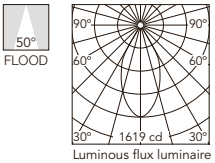
Luminous flux luminaire
921 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2728	0.46
2	682	0.92
3	303	1.39
4	170	1.85
5	109	2.31

Optic Flood 3000K

- 05.7452.B1
- 05.7452.GL
- 05.7452.74
- 05.7452.EQ



Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@White (B1)

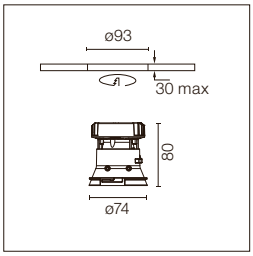
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1619	0.93
2	405	1.86
3	180	2.79
4	101	3.72
5	65	4.65

Kap Ø80 Fixed - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







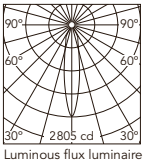
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Optic Spot 1800K-2850K

- 03.4530.B1.LE
- 03.4530.GL.LE
- 03.4530.74.LE
- 03.4530.EQ.LE

20°
SPOT



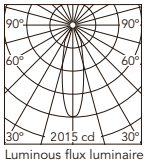
Luminous flux luminaire
740 lm [EXTREME CUT OFF)
@White (B1)

Beam Angle:	20°
h(m) E(lx)	D(m)
1 2805	0.35
2 701	0.69
3 312	1.04
4 175	1.39
5 112	1.74

Optic Medium 1800K-2850K

- 03.4180.B1.LE
- 03.4180.GL.LE
- 03.4180.74.LE
- 03.4180.EQ.LE

27°
MEDIUM



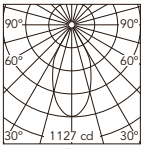
Luminous flux luminaire
735 lm [EXTREME CUT OFF)
@White (B1)

Beam Angle:	27°
h(m) E(lx)	D(m)
1 2015	0.49
2 504	0.98
3 224	1.46
4 126	1.95
5 81	2.44

Optic Flood 1800K-2850K

- 03.4532.B1.LE
- 03.4532.GL.LE
- 03.4532.74.LE
- 03.4532.EQ.LE

49°
FLOOD



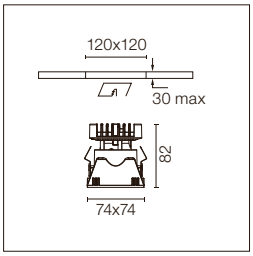
Luminous flux luminaire
729 lm [EXTREME CUT OFF)
@White (B1)

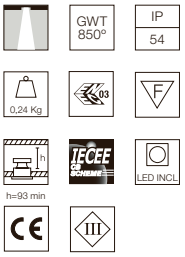
Beam Angle:	49°
h(m) E(lx)	D(m)
1 1127	0.92
2 282	1.83
3 125	2.75
4 70	3.67
5 45	4.59

Kap 80 Square - Fixed

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

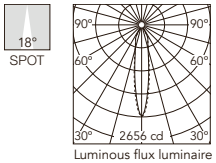
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4535.B1
- 03.4535.GL
- 03.4535.74
- 03.4535.EQ

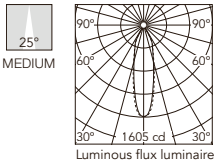


Luminous flux luminaire 741 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	18°
h(m) E(lx)	D(m)
1 2656	0.31
2 664	0.62
3 295	0.94
4 166	1.25
5 106	1.56

Optic Medium 2700K

- 03.4183.B1
- 03.4183.GL
- 03.4183.74
- 03.4183.EQ

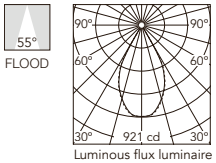


Luminous flux luminaire 615 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	25°
h(m) E(lx)	D(m)
1 1605	0.45
2 401	0.90
3 178	1.34
4 100	1.79
5 64	2.24

Optic Flood 2700K

- 03.4537.B1
- 03.4537.GL
- 03.4537.74
- 03.4537.EQ

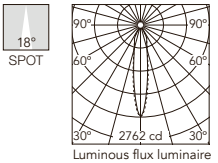


Luminous flux luminaire 723 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	55°
h(m) E(lx)	D(m)
1 921	1.03
2 230	2.07
3 102	3.10
4 58	4.14
5 37	5.17

Optic Spot 3000K

- 03.4534.B1
- 03.4534.GL
- 03.4534.74
- 03.4534.EQ

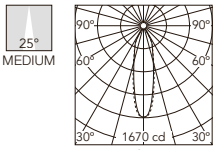


Luminous flux luminaire 771 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	18°
h(m) E(lx)	D(m)
1 2762	0.31
2 691	0.62
3 307	0.94
4 173	1.25
5 110	1.56

Optic Medium 3000K

- 03.4182.B1
- 03.4182.GL
- 03.4182.74
- 03.4182.EQ

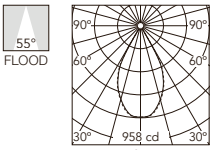


Luminous flux luminaire 640 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	25°
h(m) E(lx)	D(m)
1 1670	0.45
2 417	0.90
3 186	1.34
4 104	1.79
5 67	2.24

Optic Flood 3000K

- 03.4536.B1
- 03.4536.GL
- 03.4536.74
- 03.4536.EQ



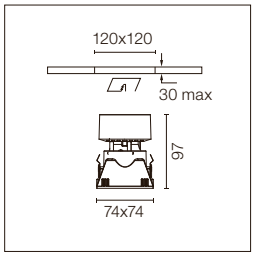
Luminous flux luminaire 752 lm (EXTREME CUT OFF)
@White (B1)

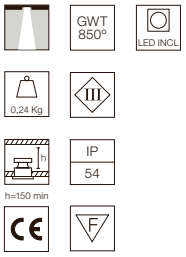
Beam Angle:	55°
h(m) E(lx)	D(m)
1 958	1.03
2 240	2.07
3 106	3.10
4 60	4.14
5 38	5.17

Kap 80 Plus Square - Fixed

Light Source: Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

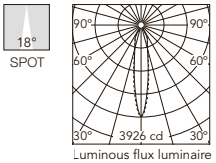
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7455.B1
- 05.7455.GL
- 05.7455.74
- 05.7455.EQ



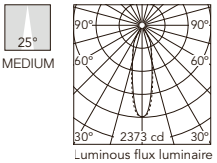
Luminous flux luminaire
1096 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3926	0.31
2	981	0.62
3	436	0.94
4	245	1.25
5	157	1.56

Optic Medium 2700K

- 05.7413.B1
- 05.7413.GL
- 05.7413.74
- 05.7413.EQ



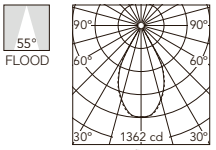
Luminous flux luminaire
910 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.45
2	593	0.90
3	264	1.34
4	148	1.79
5	95	2.24

Optic Flood 2700K

- 05.7457.B1
- 05.7457.GL
- 05.7457.74
- 05.7457.EQ



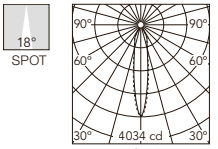
Luminous flux luminaire
1069 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

Optic Spot 3000K

- 05.7454.B1
- 05.7454.GL
- 05.7454.74
- 05.7454.EQ



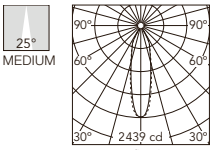
Luminous flux luminaire
1126 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4034	0.31
2	1009	0.62
3	448	0.94
4	252	1.25
5	161	1.56

Optic Medium 3000K

- 05.7412.B1
- 05.7412.GL
- 05.7412.74
- 05.7412.EQ



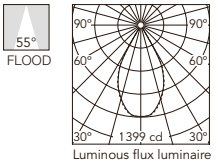
Luminous flux luminaire
935 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.45
2	610	0.90
3	271	1.34
4	152	1.79
5	98	2.24

Optic Flood 3000K

- 05.7456.B1
- 05.7456.GL
- 05.7456.74
- 05.7456.EQ



Luminous flux luminaire
1099 lm (EXTREME CUT OFF)
@White (B1)

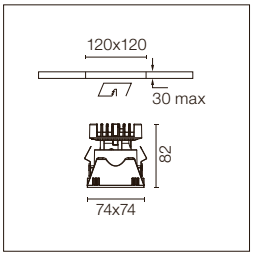
Beam Angle: 55°

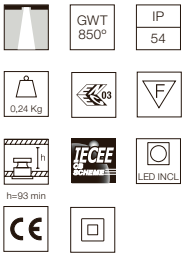
h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

Kap 80 Square Fixed - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







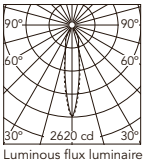
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Optic Spot
1800K-2850K

- 03.4534.B1.LE
- 03.4534.GL.LE
- 03.4534.74.LE
- 03.4534.EQ.LE





Luminous flux luminaire
753 lm [EXTREME CUT OFF)
@White (B1)

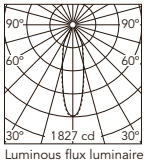
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

Optic Medium
1800K-2850K

- 03.4182.B1.LE
- 03.4182.GL.LE
- 03.4182.74.LE
- 03.4182.EQ.LE





Luminous flux luminaire
750 lm [EXTREME CUT OFF)
@White (B1)

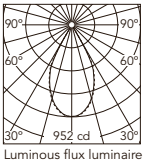
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

Optic Flood
1800K-2850K

- 03.4536.B1.LE
- 03.4536.GL.LE
- 03.4536.74.LE
- 03.4536.EQ.LE





Luminous flux luminaire
736 lm [EXTREME CUT OFF)
@White (B1)

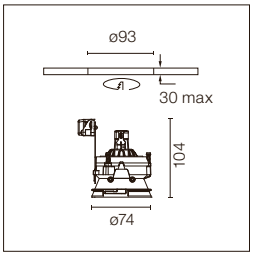
Beam Angle: 54°

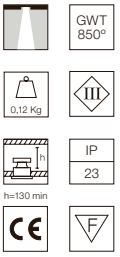
h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

Kap Ø80 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

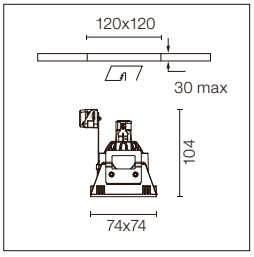
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

03.4228.B1
03.4228.GL
03.4228.74
03.4228.EQ

Kap 80 Square Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

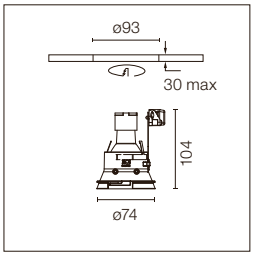
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

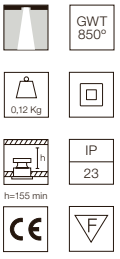
03.4226.B1
03.4226.GL
03.4226.74
03.4226.EQ

Kap Ø80 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

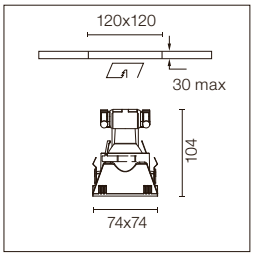
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

03.4229.B1
03.4229.GL
03.4229.74
03.4229.EQ

Kap 80 Square Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

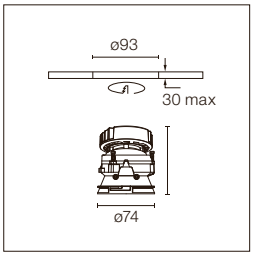
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

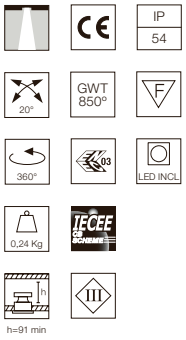
03.4227.B1
03.4227.GL
03.4227.74
03.4227.EQ

Kap Ø80 - Adjustable

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

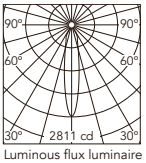
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4539.B1
- 03.4539.GL
- 03.4539.74
- 03.4539.EQ

19° SPOT



Luminous flux luminaire
704 lm (EXTREME CUT OFF)
@White (B1)

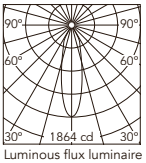
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2811	0.33
2	703	0.66
3	312	0.99
4	176	1.33
5	112	1.66

Optic Medium 2700K

- 03.4185.B1
- 03.4185.GL
- 03.4185.74
- 03.4185.EQ

26° MEDIUM



Luminous flux luminaire
664 lm (EXTREME CUT OFF)
@White (B1)

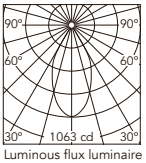
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1864	0.47
2	466	0.93
3	207	1.40
4	116	1.87
5	75	2.33

Optic Flood 2700K

- 03.4541.B1
- 03.4541.GL
- 03.4541.74
- 03.4541.EQ

50° FLOOD



Luminous flux luminaire
688 lm (EXTREME CUT OFF)
@White (B1)

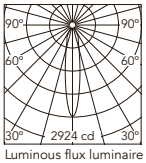
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1063	0.94
2	266	1.89
3	118	2.83
4	66	3.77
5	43	4.71

Optic Spot 3000K

- 03.4538.B1
- 03.4538.GL
- 03.4538.74
- 03.4538.EQ

19° SPOT



Luminous flux luminaire
732 lm (EXTREME CUT OFF)
@White (B1)

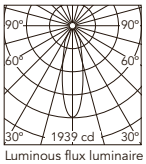
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2924	0.33
2	731	0.66
3	325	0.99
4	183	1.33
5	117	1.66

Optic Medium 3000K

- 03.4184.B1
- 03.4184.GL
- 03.4184.74
- 03.4184.EQ

26° MEDIUM



Luminous flux luminaire
691 lm (EXTREME CUT OFF)
@White (B1)

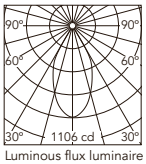
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1939	0.47
2	485	0.93
3	215	1.40
4	121	1.87
5	78	2.33

Optic Flood 3000K

- 03.4540.B1
- 03.4540.GL
- 03.4540.74
- 03.4540.EQ

50° FLOOD



Luminous flux luminaire
716 lm (EXTREME CUT OFF)
@White (B1)

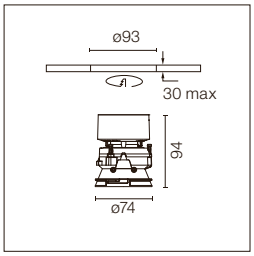
Beam Angle: 50°

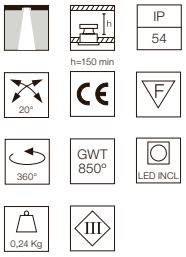
h(m)	E(lx)	D(m)
1	1106	0.94
2	276	1.89
3	123	2.83
4	69	3.77
5	44	4.71

Kap Ø80 Plus - Adjustable

Light Source: Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

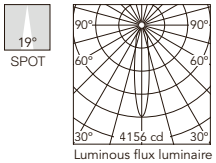
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7459.B1
- 05.7459.GL
- 05.7459.74
- 05.7459.EQ

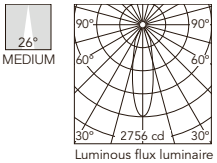


Luminous flux luminaire
1040 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°	
h(m)	E(lx)	D(m)
1	4156	0.33
2	1039	0.66
3	462	0.99
4	260	1.33
5	166	1.66

Optic Medium 2700K

- 05.7415.B1
- 05.7415.GL
- 05.7415.74
- 05.7415.EQ

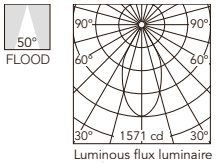


Luminous flux luminaire
982 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	2756	0.47
2	689	0.93
3	306	1.40
4	172	1.87
5	110	2.33

Optic Flood 2700K

- 05.7461.B1
- 05.7461.GL
- 05.7461.74
- 05.7461.EQ

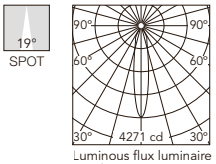


Luminous flux luminaire
1017 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	50°	
h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

Optic Spot 3000K

- 05.7458.B1
- 05.7458.GL
- 05.7458.74
- 05.7458.EQ

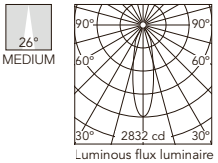


Luminous flux luminaire
1069 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°	
h(m)	E(lx)	D(m)
1	4271	0.33
2	1068	0.66
3	475	0.99
4	267	1.33
5	171	1.66

Optic Medium 3000K

- 05.7414.B1
- 05.7414.GL
- 05.7414.74
- 05.7414.EQ

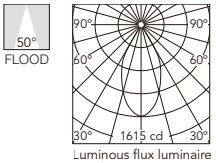


Luminous flux luminaire
1009 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	26°	
h(m)	E(lx)	D(m)
1	2832	0.47
2	708	0.93
3	315	1.40
4	177	1.87
5	113	2.33

Optic Flood 3000K

- 05.7460.B1
- 05.7460.GL
- 05.7460.74
- 05.7460.EQ



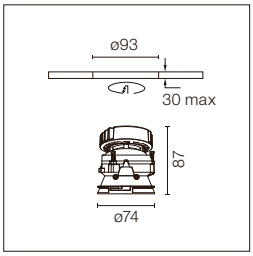
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@White (B1)

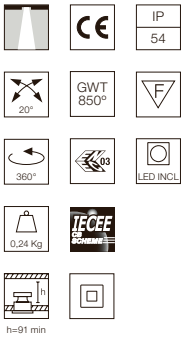
Beam Angle:	50°	
h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

Kap Ø80 Adjustable - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







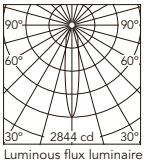
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Optic Spot
1800K-2850K

- 03.4538.B1.LE
- 03.4538.GL.LE
- 03.4538.74.LE
- 03.4538.EQ.LE





Luminous flux luminaire
716 lm [EXTREME CUT OFF)
@White (B1)

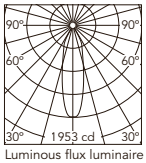
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

Optic Medium
1800K-2850K

- 03.4184.B1.LE
- 03.4184.GL.LE
- 03.4184.74.LE
- 03.4184.EQ.LE





Luminous flux luminaire
722 lm [EXTREME CUT OFF)
@White (B1)

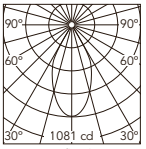
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

Optic Flood
1800K-2850K

- 03.4540.B1.LE
- 03.4540.GL.LE
- 03.4540.74.LE
- 03.4540.EQ.LE





Luminous flux luminaire
707 lm [EXTREME CUT OFF)
@White (B1)

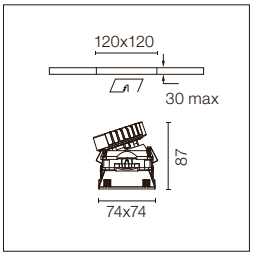
Beam Angle: 51°

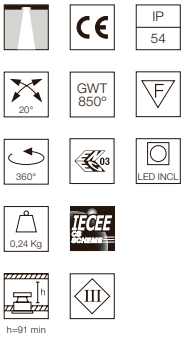
h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

Kap 80 Square - Adjustable

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

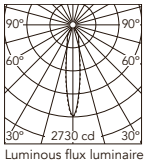
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4543.B1
- 03.4543.GL
- 03.4543.74
- 03.4543.EQ

18° SPOT



Luminous flux luminaire 738 lm [EXTREME CUT OFF]
@White (B1)

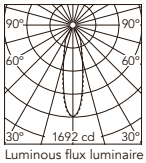
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2730	0.31
2	682	0.62
3	303	0.93
4	171	1.24
5	109	1.55

Optic Medium 2700K

- 03.4187.B1
- 03.4187.GL
- 03.4187.74
- 03.4187.EQ

25° MEDIUM



Luminous flux luminaire 630 lm [EXTREME CUT OFF]
@White (B1)

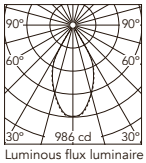
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1692	0.44
2	423	0.88
3	188	1.32
4	106	1.76
5	68	2.20

Optic Flood 2700K

- 03.4545.B1
- 03.4545.GL
- 03.4545.74
- 03.4545.EQ

53° FLOOD



Luminous flux luminaire 722 lm [EXTREME CUT OFF]
@White (B1)

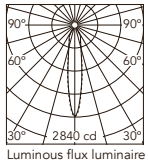
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	0.99
2	246	1.98
3	110	2.98
4	62	3.97
5	39	4.96

Optic Spot 3000K

- 03.4542.B1
- 03.4542.GL
- 03.4542.74
- 03.4542.EQ

18° SPOT



Luminous flux luminaire 768 lm [EXTREME CUT OFF]
@White (B1)

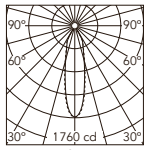
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2840	0.31
2	710	0.62
3	316	0.93
4	177	1.24
5	114	1.55

Optic Medium 3000K

- 03.4186.B1
- 03.4186.GL
- 03.4186.74
- 03.4186.EQ

25° MEDIUM



Luminous flux luminaire 656 lm [EXTREME CUT OFF]
@White (B1)

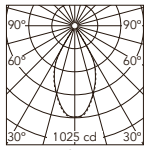
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1760	0.44
2	440	0.88
3	196	1.32
4	110	1.76
5	70	2.20

Optic Flood 3000K

- 03.4544.B1
- 03.4544.GL
- 03.4544.74
- 03.4544.EQ

53° FLOOD



Luminous flux luminaire 751 lm [EXTREME CUT OFF]
@White (B1)

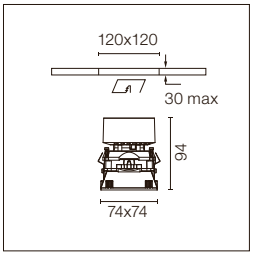
Beam Angle: 53°

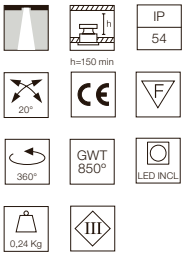
h(m)	E(lx)	D(m)
1	1025	0.99
2	256	1.98
3	114	2.98
4	64	3.97
5	41	4.96

Kap 80 Plus Square - Adjustable

Light Source: Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Diffusing lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida. Marco de pre-instalación. Se ha de pedir por separado.

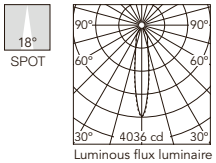
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7463.B1
- 05.7463.GL
- 05.7463.74
- 05.7463.EQ

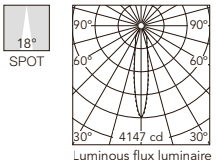


Luminous flux luminaire
1092 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	18°	
h(m)	E(lx)	D(m)
1	4036	0.31
2	1009	0.62
3	448	0.93
4	252	1.24
5	161	1.55

Optic Spot 3000K

- 05.7462.B1
- 05.7462.GL
- 05.7462.74
- 05.7462.EQ

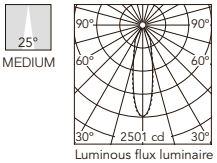


Luminous flux luminaire
1122 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	18°	
h(m)	E(lx)	D(m)
1	4147	0.31
2	1037	0.62
3	461	0.93
4	259	1.24
5	166	1.55

Optic Medium 2700K

- 05.7417.B1
- 05.7417.GL
- 05.7417.74
- 05.7417.EQ

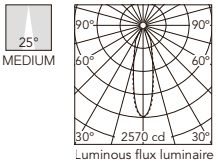


Luminous flux luminaire
932 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	2501	0.44
2	625	0.88
3	278	1.32
4	156	1.76
5	100	2.20

Optic Medium 3000K

- 05.7416.B1
- 05.7416.GL
- 05.7416.74
- 05.7416.EQ

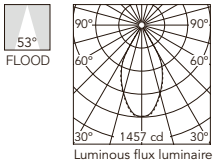


Luminous flux luminaire
958 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	2570	0.44
2	643	0.88
3	286	1.32
4	161	1.76
5	103	2.20

Optic Flood 2700K

- 05.7465.B1
- 05.7465.GL
- 05.7465.74
- 05.7465.EQ

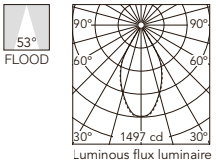


Luminous flux luminaire
1068 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	53°	
h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

Optic Flood 3000K

- 05.7464.B1
- 05.7464.GL
- 05.7464.74
- 05.7464.EQ



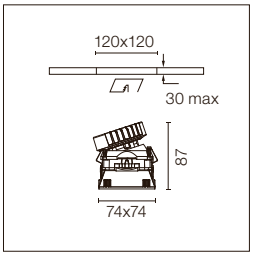
Luminous flux luminaire
1097 lm (EXTREME CUT OFF)
@White (B1)

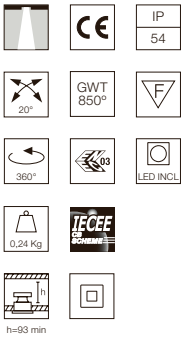
Beam Angle:	53°	
h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

Kap 80 Square Adjustable - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







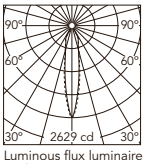
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

Optic Spot 1800K-2850K

- 03.4542.B1.LE
- 03.4542.GL.LE
- 03.4542.74.LE
- 03.4542.EQ.LE





Luminous flux luminaire
754 lm [EXTREME CUT OFF]
@White (B1)

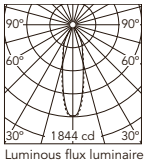
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

Optic Medium 1800K-2850K

- 03.4186.B1.LE
- 03.4186.GL.LE
- 03.4186.74.LE
- 03.4186.EQ.LE





Luminous flux luminaire
752 lm [EXTREME CUT OFF]
@White (B1)

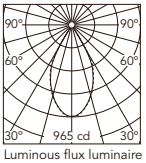
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

Optic Flood 1800K-2850K

- 03.4544.B1.LE
- 03.4544.GL.LE
- 03.4544.74.LE
- 03.4544.EQ.LE





Luminous flux luminaire
732 lm [EXTREME CUT OFF]
@White (B1)

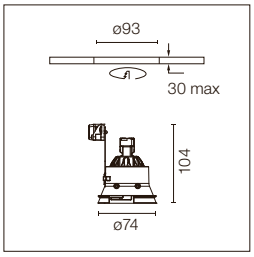
Beam Angle: 53°

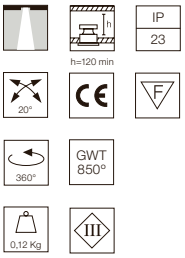
h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

Kap Ø80 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

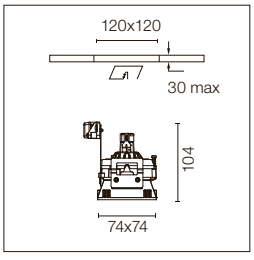
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

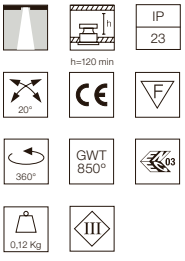
- 03.4236.B1
- 03.4236.GL
- 03.4236.74
- 03.4236.EQ

Kap 80 Square Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

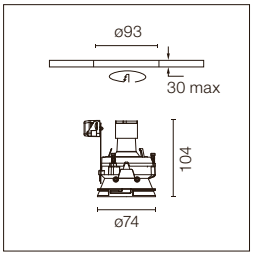
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

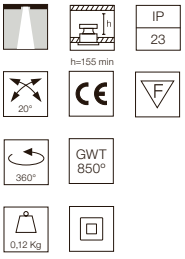
- 03.4234.B1
- 03.4234.GL
- 03.4234.74
- 03.4234.EQ

Kap Ø80 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

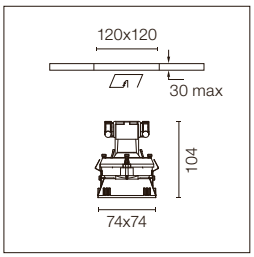
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

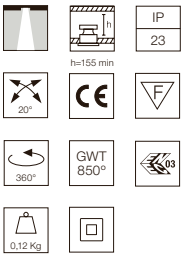
- 03.4237.B1
- 03.4237.GL
- 03.4237.74
- 03.4237.EQ

Kap 80 Square Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

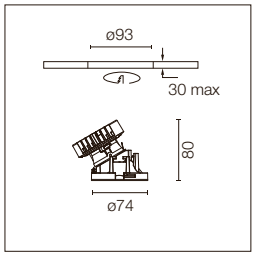
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

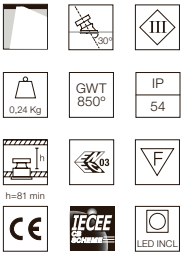
- 03.4235.B1
- 03.4235.GL
- 03.4235.74
- 03.4235.EQ

Kap Ø80 - Wall-Washer

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

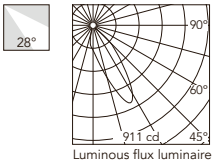
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.4189.B1
- 03.4189.GL
- 03.4189.74
- 03.4189.EQ



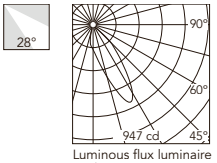
Luminous flux luminaire
598 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	911	0.62
2	228	1.24
3	101	1.87
4	57	2.49
5	36	3.11

3000K

- 03.4188.B1
- 03.4188.GL
- 03.4188.74
- 03.4188.EQ



Luminous flux luminaire
622 lm [EXTREME CUT OFF]
@White (B1)

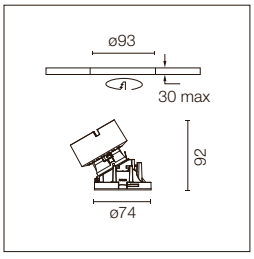
Beam Angle: 28°

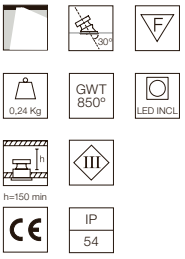
h(m)	E(lx)	D(m)
1	947	0.62
2	237	1.24
3	105	1.87
4	59	2.49
5	38	3.11

Kap Ø80 Plus - Wall-Washer

Light Source: Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

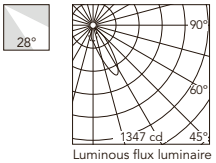
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 05.7421.B1
- 05.7421.GL
- 05.7421.74
- 05.7421.EQ



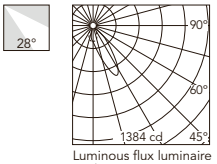
Luminous flux luminaire
884 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1347	0.62
2	337	1.24
3	150	1.87
4	84	2.49
5	54	3.11

3000K

- 05.7420.B1
- 05.7420.GL
- 05.7420.74
- 05.7420.EQ



Luminous flux luminaire
908 lm [EXTREME CUT OFF]
@White (B1)

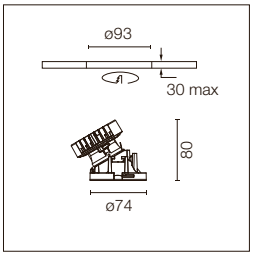
Beam Angle: 28°

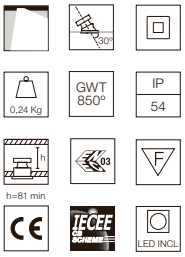
h(m)	E(lx)	D(m)
1	1384	0.62
2	346	1.24
3	154	1.87
4	86	2.49
5	55	3.11

Kap Ø80 Wall-Washer - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







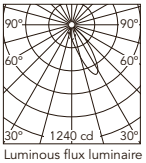
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

- 03.4188.B1.LE
- 03.4188.GL.LE
- 03.4188.74.LE
- 03.4188.EQ.LE





Luminous flux luminaire
770 lm [EXTREME CUT OFF]
@White (B1)

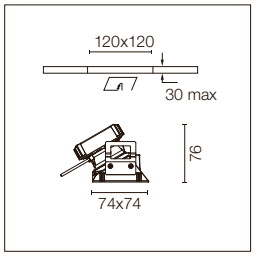
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

Kap 80 - Square Wall-Washer

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

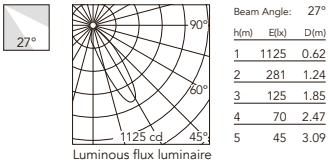
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.4191.B1
- 03.4191.GL
- 03.4191.74
- 03.4191.EQ



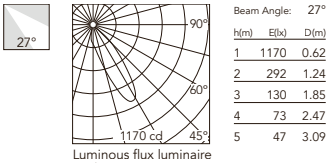
Luminous flux luminaire
625 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1125	0.62
2	281	1.24
3	125	1.85
4	70	2.47
5	45	3.09

3000K

- 03.4190.B1
- 03.4190.GL
- 03.4190.74
- 03.4190.EQ



Luminous flux luminaire
650 lm (EXTREME CUT OFF)
@White (B1)

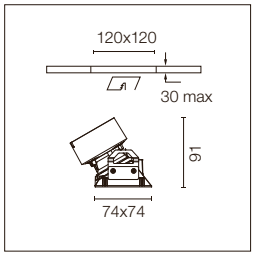
Beam Angle: 27°

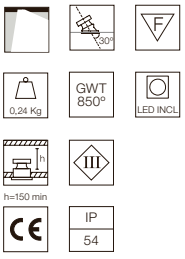
h(m)	E(lx)	D(m)
1	1170	0.62
2	292	1.24
3	130	1.85
4	73	2.47
5	47	3.09

Kap 80 Plus - Square Wall-Washer

Light Source: Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Elliptical lens included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida. Marco de pre-instalación. Se ha de pedir por separado.

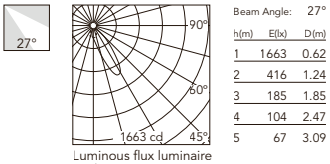
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 05.7423.B1
- 05.7423.GL
- 05.7423.74
- 05.7423.EQ



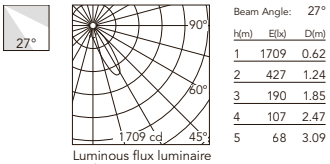
Luminous flux luminaire
924 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1663	0.62
2	416	1.24
3	185	1.85
4	104	2.47
5	67	3.09

3000K

- 05.7422.B1
- 05.7422.GL
- 05.7422.74
- 05.7422.EQ



Luminous flux luminaire
950 lm (EXTREME CUT OFF)
@White (B1)

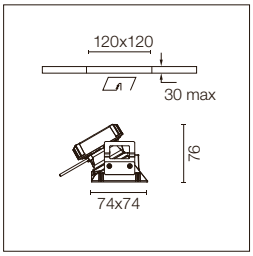
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1709	0.62
2	427	1.24
3	190	1.85
4	107	2.47
5	68	3.09

Kap 80 Square Wall-Washer - Dim To Warm

Light Source: LED Array DC 300mA - 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







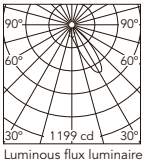
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

1800K-2850K

- 03.4190.B1.LE
- 03.4190.GL.LE
- 03.4190.74.LE
- 03.4190.EQ.LE





Luminous flux luminaire
723 lm [EXTREME CUT OFF]
@White (B1)

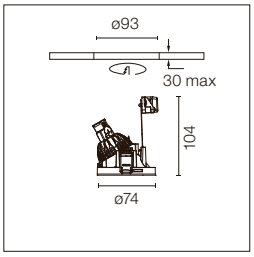
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

Kap Ø80 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

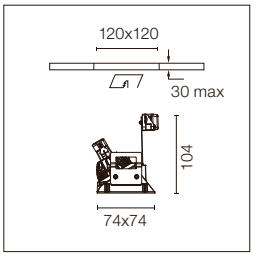
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4244.B1
- 03.4244.GL
- 03.4244.74
- 03.4244.EQ

Kap 80 Square Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

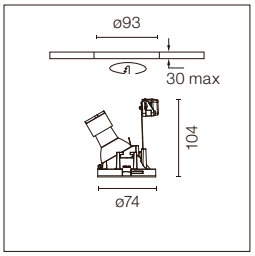
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4242.B1
- 03.4242.GL
- 03.4242.74
- 03.4242.EQ

Kap Ø80 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

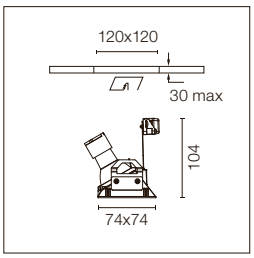
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4245.B1
- 03.4245.GL
- 03.4245.74
- 03.4245.EQ

Kap 80 Square Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

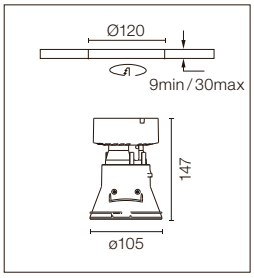
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

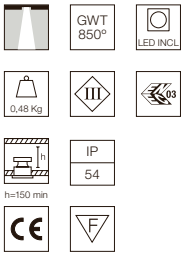
- 03.4243.B1
- 03.4243.GL
- 03.4243.74
- 03.4243.EQ

Kap Ø105 Fixed

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

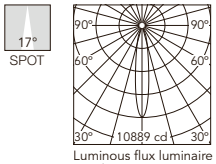
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7100.B1
- 05.7100.GL
- 05.7100.74
- 05.7100.EQ



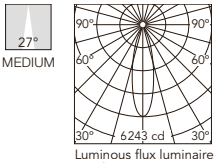
Luminous flux luminaire 1715 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Medium 2700K

- 05.7101.B1
- 05.7101.GL
- 05.7101.74
- 05.7101.EQ



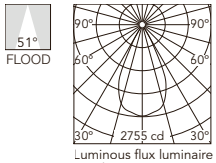
Luminous flux luminaire 1675 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Flood 2700K

- 05.7102.B1
- 05.7102.GL
- 05.7102.74
- 05.7102.EQ



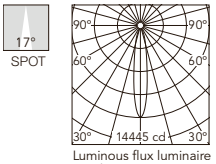
Luminous flux luminaire 1815 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Spot 3000K

- 05.7105.B1
- 05.7105.GL
- 05.7105.74
- 05.7105.EQ



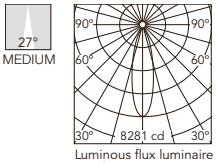
Luminous flux luminaire 2275 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 3000K

- 05.7106.B1
- 05.7106.GL
- 05.7106.74
- 05.7106.EQ



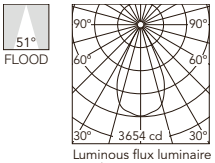
Luminous flux luminaire 2222 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 3000K

- 05.7107.B1
- 05.7107.GL
- 05.7107.74
- 05.7107.EQ



Luminous flux luminaire 2407 lm (EXTREME CUT OFF) @White (B1)

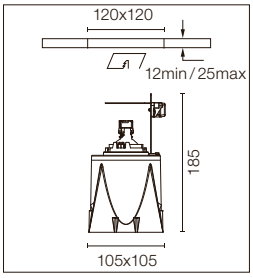
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Kap 105 Square

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

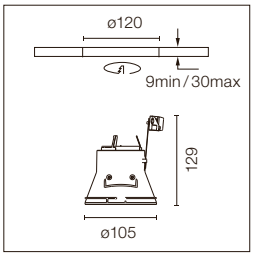
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

- 03.4572.B1
- 03.4572.GL
- 03.4572.74
- 03.4572.EQ

Kap Ø105 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

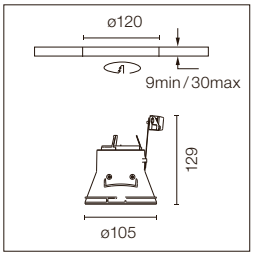
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

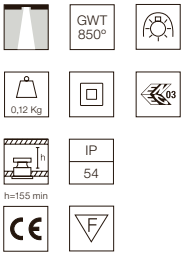
- 05.7130.B1
- 05.7130.GL
- 05.7130.74
- 05.7130.EQ

Kap Ø105 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

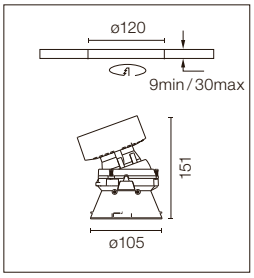
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

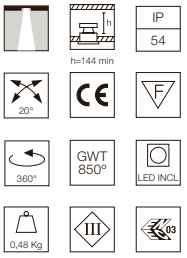
- 05.7131.B1
- 05.7131.GL
- 05.7131.74
- 05.7131.EQ

Kap Ø105 Adjustable

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Diffusing lens included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Lente difusora incluida.
Marco de pre-instalación. Se ha de pedir por separado.

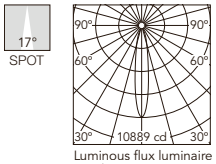
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7110.B1
- 05.7110.GL
- 05.7110.74
- 05.7110.EQ



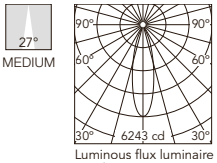
Luminous flux luminaire
1715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Medium 2700K

- 05.7111.B1
- 05.7111.GL
- 05.7111.74
- 05.7111.EQ



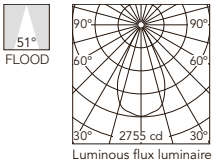
Luminous flux luminaire
1675 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Flood 2700K

- 05.7112.B1
- 05.7112.GL
- 05.7112.74
- 05.7112.EQ



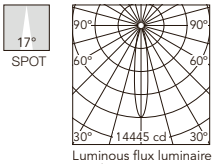
Luminous flux luminaire
1815 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Spot 3000K

- 05.7115.B1
- 05.7115.GL
- 05.7115.74
- 05.7115.EQ



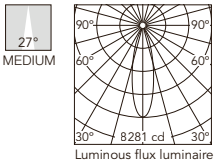
Luminous flux luminaire
2275 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 3000K

- 05.7116.B1
- 05.7116.GL
- 05.7116.74
- 05.7116.EQ



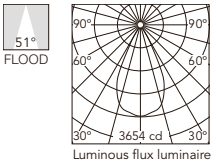
Luminous flux luminaire
2222 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 3000K

- 05.7117.B1
- 05.7117.GL
- 05.7117.74
- 05.7117.EQ



Luminous flux luminaire
2407 lm (EXTREME CUT OFF)
@White (B1)

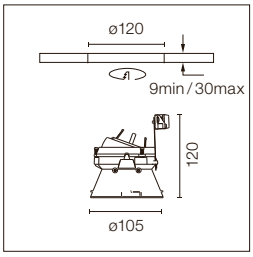
Beam Angle: 51°

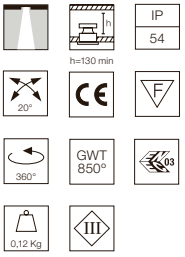
h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

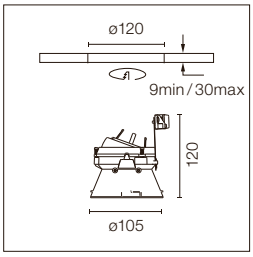
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

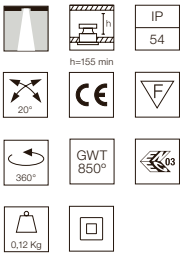
- 05.7135.B1
- 05.7135.GL
- 05.7135.74
- 05.7135.EQ

Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Not suitable for lens accessories.
Pre-installation frame. To be ordered separately.

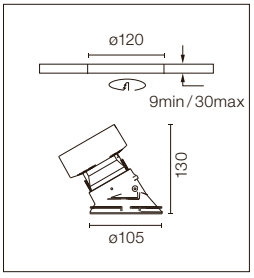
Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.
Marco de pre-instalación. Se ha de pedir por separado.

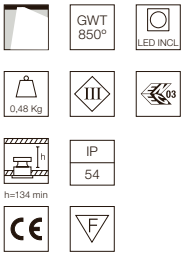
- 05.7136.B1
- 05.7136.GL
- 05.7136.74
- 05.7136.EQ

Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

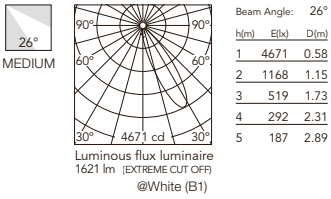
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 05.7120.B1
- 05.7120.GL
- 05.7120.74
- 05.7120.EQ



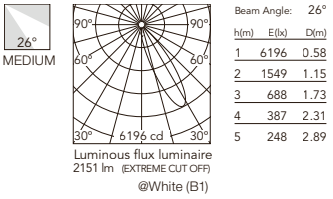
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

Luminous flux luminaire 1621 lm (EXTREME CUT OFF)
@White (B1)

3000K

- 05.7121.B1
- 05.7121.GL
- 05.7121.74
- 05.7121.EQ



Beam Angle: 26°

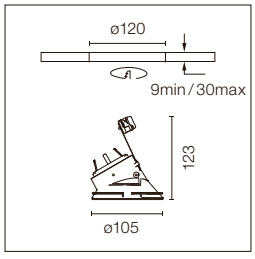
h(m)	E(lx)	D(m)
1	6196	0.58
2	1549	1.15
3	688	1.73
4	387	2.31
5	248	2.89

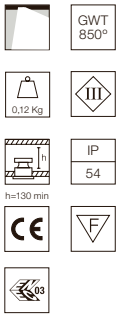
Luminous flux luminaire 2151 lm (EXTREME CUT OFF)
@White (B1)

Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V LED lamp luminaire. Remote transformer not included. Not suitable for lens accessories. Pre-installation frame. To be ordered separately.

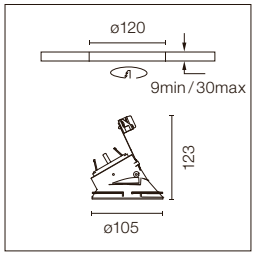
Luminaria empotrable para lámpara LED de 12V. Transformador remoto no incluido. Accesorios de lentes no disponibles. Marco de pre-instalación. Se ha de pedir por separado.

- 05.7140.B1
- 05.7140.GL
- 05.7140.74
- 05.7140.EQ

Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Not suitable for lens accessories. Pre-installation frame. To be ordered separately.

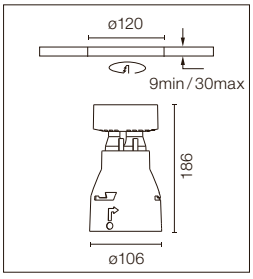
Luminaria empotrable con alimentación directa a red. Accesorios de lentes no disponibles. Marco de pre-instalación. Se ha de pedir por separado.

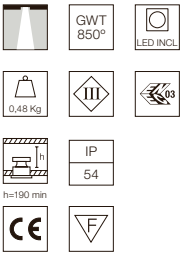
- 05.7141.B1
- 05.7141.GL
- 05.7141.74
- 05.7141.EQ

Kap Ø105 Deep

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

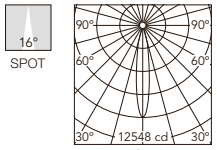
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7150.B1
- 05.7150.GL
- 05.7150.74
- 05.7150.EQ

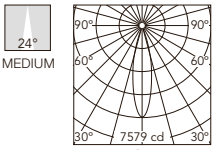


Luminous flux luminaire
1602 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	16°
h(m) E(lx)	D(m)
1 12548	0.29
2 3137	0.57
3 1394	0.86
4 784	1.14
5 502	1.43

Optic Medium 2700K

- 05.7151.B1
- 05.7151.GL
- 05.7151.74
- 05.7151.EQ

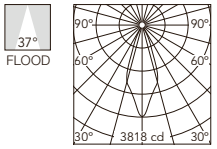


Luminous flux luminaire
1537 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	24°
h(m) E(lx)	D(m)
1 7579	0.42
2 1895	0.84
3 842	1.26
4 474	1.69
5 303	2.11

Optic Flood 2700K

- 05.7152.B1
- 05.7152.GL
- 05.7152.74
- 05.7152.EQ

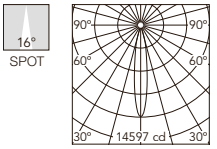


Luminous flux luminaire
1581 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	37°
h(m) E(lx)	D(m)
1 3818	0.68
2 954	1.36
3 424	2.03
4 239	2.71
5 153	3.39

Optic Spot 3000K

- 05.7155.B1
- 05.7155.GL
- 05.7155.74
- 05.7155.EQ

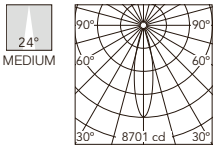


Luminous flux luminaire
1836 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	16°
h(m) E(lx)	D(m)
1 14597	0.28
2 3649	0.56
3 1622	0.84
4 912	1.13
5 584	1.41

Optic Medium 3000K

- 05.7156.B1
- 05.7156.GL
- 05.7156.74
- 05.7156.EQ

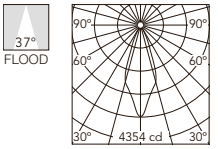


Luminous flux luminaire
1759 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	24°
h(m) E(lx)	D(m)
1 8701	0.42
2 2175	0.84
3 967	1.26
4 544	1.68
5 348	2.10

Optic Flood 3000K

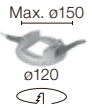
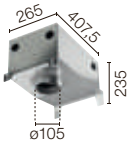
- 05.7157.B1
- 05.7157.GL
- 05.7157.74
- 05.7157.EQ



Luminous flux luminaire
1795 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	37°
h(m) E(lx)	D(m)
1 4354	0.68
2 1089	1.35
3 484	2.03
4 272	2.71
5 174	3.38

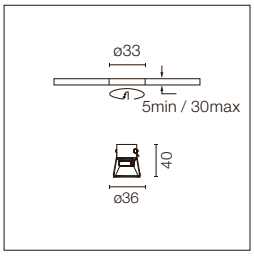
Accessories / Accesorios

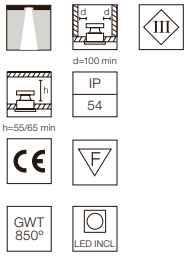
Installation frame No Trim. Kap ø50.	Marco de instalación No Trim. Kap ø50.		Kap ø50 Round ☐ 08.9114.00
Installation frame No Trim. Kap ø80/ø80 Plus	Marco de instalación No Trim. Kap ø80/ø80 Plus.		Kap ø80 Round ☐ 08.9102.00
Installation frame No Trim. Kap 80 Square/80 Plus Square.	Marco de instalación No Trim. Kap 80 Square/80 Plus Square.		Kap 80 Square ☐ 08.9103.00
Installation frame No Trim. Kap ø105 Deep.	Marco de instalación No Trim. Kap ø105 Deep.		Kap ø105 Deep ☐ 08.9104.00
Installation frame No Trim. Kap ø105.	Marco de instalación No Trim. Kap ø105.		Kap ø105 ☐ 08.0132.00
Installation frame No Trim. Kap 105 Square.	Marco de instalación No Trim. Kap 105 Square.		Kap 105 Square ☐ 08.8479.00
Installation can for concrete. Kap ø105 Deep.	Can de instalación para hormigón. Kap ø105 Deep		Kap ø105 Deep ☐ 08.8420.00

Easy Kap Ø30 Fixed

Light Source: Power LED DC 900 mA - 4,7W - 222 lm - 2700K/CRI 95 / 4,7W - 229 lm - 3000K/CRI 95
Driver pass-through. Power LED DC 700 mA - 3,2W - 174 lm - 2700K/CRI 95 / 3,2W - 199 lm - 3000K/CRI 95

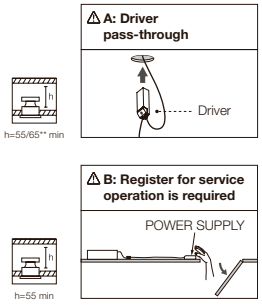






Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Marco de instalación no necesario.



Recommended power supply / Equipos recomendados*:

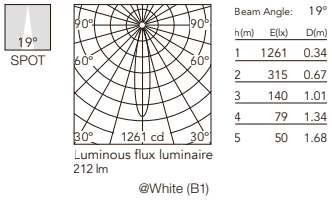
		Serial Con.	⚠
Non Dimmable 220-240V 700mA	60.9988	1	A
Non Dimmable 220-240V 900mA	60.9958	1 - 11	B
Dali 2 220-240V 900mA	60.9602	1 - 5	B
Dali 2 220-240V 900mA	60.9957	3 - 11	B
1-10V 220-240V 900mA	60.9414	1 - 5	B
1-10V 110-127 / 220-240 900mA	60.9208	2 - 5	B
Casambi 220-240V 900mA	06.1974.00	1 - 5	B
Mains Dimming 220-240V 900mA	60.9467	2 - 7	B
Mains Dimming 220-240V 900mA	60.9692	4 - 9	B

* Refer to the Drivers chapter / Ver capítulo Drivers

** Minimum embedding height 65mm only for 30mm ceiling thickness /
Altura mínima de empotramiento 65mm sólo para espesor de techo de 30mm

Optic Spot
2700K

Set of 1 spot
- 05.7600.B1
- 05.7600.GL
- 05.7600.74
- 05.7600.EQ



Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1261	0.34
2	315	0.67
3	140	1.01
4	79	1.34
5	50	1.68

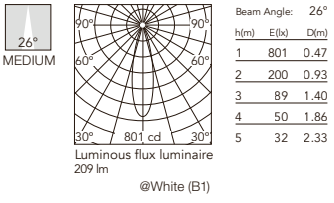
Luminous flux luminaire
212 lm

@White (B1)

Set of 4 spots
- 05.7620.B1
- 05.7620.GL
- 05.7620.74
- 05.7620.EQ

Optic Medium
2700K

Set of 1 spot
- 05.7601.B1
- 05.7601.GL
- 05.7601.74
- 05.7601.EQ



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	801	0.47
2	200	0.93
3	89	1.40
4	50	1.86
5	32	2.33

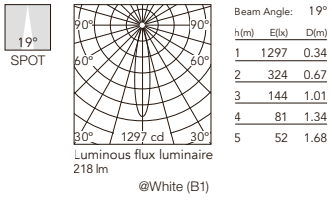
Luminous flux luminaire
209 lm

@White (B1)

Set of 4 spots
- 05.7621.B1
- 05.7621.GL
- 05.7621.74
- 05.7621.EQ

3000K

Set of 1 spot
- 05.7605.B1
- 05.7605.GL
- 05.7605.74
- 05.7605.EQ



Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1297	0.34
2	324	0.67
3	144	1.01
4	81	1.34
5	52	1.68

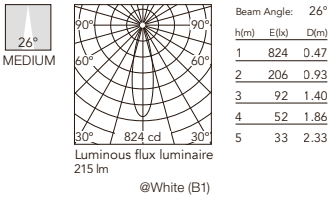
Luminous flux luminaire
218 lm

@White (B1)

Set of 4 spots
- 05.7625.B1
- 05.7625.GL
- 05.7625.74
- 05.7625.EQ

3000K

Set of 1 spot
- 05.7606.B1
- 05.7606.GL
- 05.7606.74
- 05.7606.EQ



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	824	0.47
2	206	0.93
3	92	1.40
4	52	1.86
5	33	2.33

Luminous flux luminaire
215 lm

@White (B1)

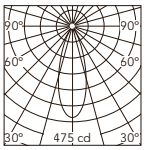
Set of 4 spots
- 05.7626.B1
- 05.7626.GL
- 05.7626.74
- 05.7626.EQ

Optic Flood
2700K

Set of 1 spot

- 05.7602.B1
- 05.7602.GL
- 05.7602.74
- 05.7602.EQ





Luminous flux luminaire
197 lm

@White (B1)

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	475	0.62
2	119	1.23
3	53	1.85
4	30	2.47
5	19	3.09

Set of 4 spots

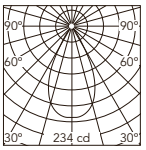
- 05.7622.B1
- 05.7622.GL
- 05.7622.74
- 05.7622.EQ

Optic Wide Flood
2700K

Set of 1 spot

- 05.7603.B1
- 05.7603.GL
- 05.7603.74
- 05.7603.EQ





Luminous flux luminaire
179 lm

@White (B1)

Beam Angle:	53°
h(m)	E(lx)	D(m)
1	234	1.00
2	59	2.00
3	26	3.01
4	15	4.01
5	9	5.01

Set of 4 spots

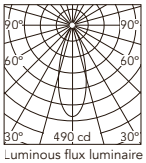
- 05.7623.B1
- 05.7623.GL
- 05.7623.74
- 05.7623.EQ

3000K

Set of 1 spot

- 05.7607.B1
- 05.7607.GL
- 05.7607.74
- 05.7607.EQ





Luminous flux luminaire
203 lm

@White (B1)

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	490	0.62
2	122	1.23
3	54	1.85
4	31	2.47
5	20	3.09

Set of 4 spots

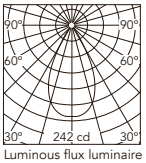
- 05.7627.B1
- 05.7627.GL
- 05.7627.74
- 05.7627.EQ

3000K

Set of 1 spot

- 05.7608.B1
- 05.7608.GL
- 05.7608.74
- 05.7608.EQ





Luminous flux luminaire
185 lm

@White (B1)

Beam Angle:	53°
h(m)	E(lx)	D(m)
1	242	1.00
2	60	2.00
3	27	3.01
4	15	4.01
5	10	5.01

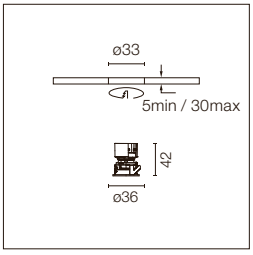
Set of 4 spots

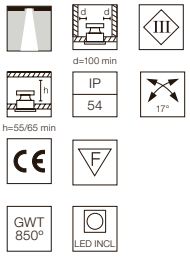
- 05.7628.B1
- 05.7628.GL
- 05.7628.74
- 05.7628.EQ

Easy Kap Ø30 Adjustable

Light Source: Power LED DC 900 mA - 4,7W - 222 lm - 2700K/CRI 95 / 4,7W - 229 lm - 3000K/CRI 95
Driver pass-through. Power LED DC 700 mA - 3,2W - 174 lm - 2700K/CRI 95 / 3,2W - 199 lm - 3000K/CRI 95

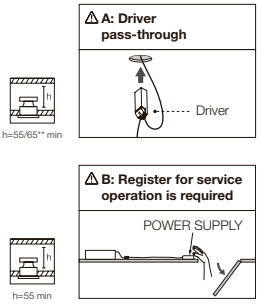






Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Marco de instalación no necesario.



Recommended power supply / Equipos recomendados*:

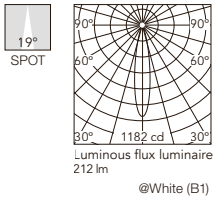
		Serial Con.	⚠
Non Dimmable 220-240V 700mA	60.9988	1	A
Non Dimmable 220-240V 900mA	60.9958	1 - 11	B
Dali 2 220-240V 900mA	60.9602	1 - 5	B
Dali 2 220-240V 900mA	60.9957	3 - 11	B
1-10V 220-240V 900mA	60.9414	1 - 5	B
1-10V 110-127 / 220-240 900mA	60.9208	2 - 5	B
Casambi 220-240V 900mA	06.1974.00	1 - 5	B
Mains Dimming 220-240V 900mA	60.9467	2 - 7	B
Mains Dimming 220-240V 900mA	60.9692	4 - 9	B

* Refer to the Drivers chapter / Ver capítulo Drivers

** Minimum embedding height 65mm only for 30mm ceiling thickness /
Altura mínima de empotramiento 65mm sólo para espesor de techo de 30mm

Optic Spot
2700K

Set of 1 spot
- 05.7610.B1
- 05.7610.GL
- 05.7610.74
- 05.7610.EQ



Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1182	0.34
2	296	0.68
3	131	1.02
4	74	1.36
5	47	1.70

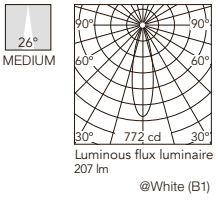
Luminous flux luminaire
212 lm

@White (B1)

Set of 4 spots
- 05.7630.B1
- 05.7630.GL
- 05.7630.74
- 05.7630.EQ

Optic Medium
2700K

Set of 1 spot
- 05.7611.B1
- 05.7611.GL
- 05.7611.74
- 05.7611.EQ



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	772	0.47
2	193	0.94
3	86	1.40
4	48	1.87
5	31	2.34

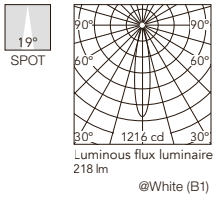
Luminous flux luminaire
207 lm

@White (B1)

Set of 4 spots
- 05.7631.B1
- 05.7631.GL
- 05.7631.74
- 05.7631.EQ

3000K

Set of 1 spot
- 05.7615.B1
- 05.7615.GL
- 05.7615.74
- 05.7615.EQ



Beam Angle: 19°

h(m)	E(lx)	D(m)
1	1216	0.34
2	304	0.68
3	135	1.02
4	76	1.36
5	49	1.70

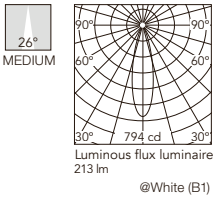
Luminous flux luminaire
218 lm

@White (B1)

Set of 4 spots
- 05.7635.B1
- 05.7635.GL
- 05.7635.74
- 05.7635.EQ

3000K

Set of 1 spot
- 05.7616.B1
- 05.7616.GL
- 05.7616.74
- 05.7616.EQ



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	794	0.47
2	199	0.94
3	88	1.40
4	50	1.87
5	32	2.34

Luminous flux luminaire
213 lm

@White (B1)

Set of 4 spots
- 05.7636.B1
- 05.7636.GL
- 05.7636.74
- 05.7636.EQ

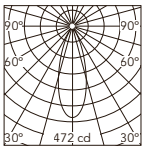
Optic Flood
2700K

Set of 1 spot

05.7612.B1
05.7612.GL
05.7612.74
05.7612.EQ



FLOOD



Luminous flux luminaire
197 lm

@White (B1)

Beam Angle:	35°
h(m)	E(lx)	D(m)
1	472	0.62
2	118	1.24
3	52	1.87
4	29	2.49
5	19	3.11

Set of 4 spots

05.7632.B1
05.7632.GL
05.7632.74
05.7632.EQ

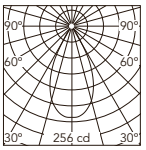
Optic Wide Flood
2700K

Set of 1 spot

05.7613.B1
05.7613.GL
05.7613.74
05.7613.EQ



WIDE
FLOOD



Luminous flux luminaire
182 lm

@White (B1)

Beam Angle:	51°
h(m)	E(lx)	D(m)
1	256	0.96
2	64	1.91
3	28	2.87
4	16	3.82
5	10	4.78

Set of 4 spots

05.7633.B1
05.7633.GL
05.7633.74
05.7633.EQ

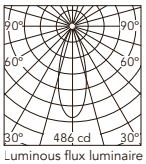
3000K

Set of 1 spot

05.7617.B1
05.7617.GL
05.7617.74
05.7617.EQ



FLOOD



Luminous flux luminaire
203 lm

@White (B1)

Beam Angle:	35°
h(m)	E(lx)	D(m)
1	486	0.62
2	121	1.24
3	54	1.87
4	30	2.49
5	19	3.11

Set of 4 spots

05.7637.B1
05.7637.GL
05.7637.74
05.7637.EQ

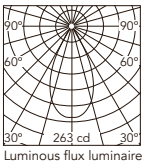
3000K

Set of 1 spot

05.7618.B1
05.7618.GL
05.7618.74
05.7618.EQ



WIDE
FLOOD



Luminous flux luminaire
187 lm

@White (B1)

Beam Angle:	51°
h(m)	E(lx)	D(m)
1	263	0.96
2	66	1.91
3	29	2.87
4	16	3.82
5	11	4.78

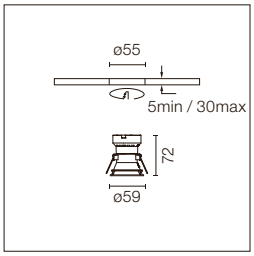
Set of 4 spots

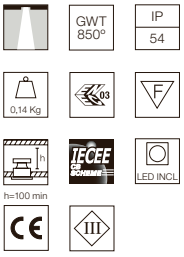
05.7638.B1
05.7638.GL
05.7638.74
05.7638.EQ

Easy Kap Ø50 Fixed

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Marco de instalación no necesario.

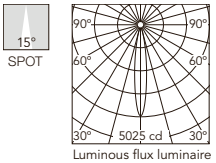
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7200.B1
- 05.7200.GL
- 05.7200.74
- 05.7200.EQ



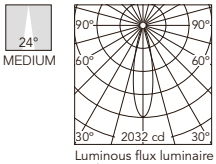
Luminous flux luminaire
543 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7201.B1
- 05.7201.GL
- 05.7201.74
- 05.7201.EQ



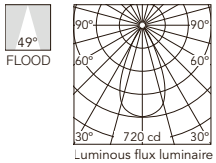
Luminous flux luminaire
488 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7202.B1
- 05.7202.GL
- 05.7202.74
- 05.7202.EQ



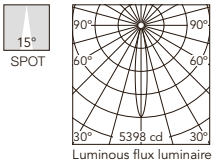
Luminous flux luminaire
496 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7205.B1
- 05.7205.GL
- 05.7205.74
- 05.7205.EQ



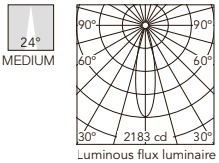
Luminous flux luminaire
583 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7206.B1
- 05.7206.GL
- 05.7206.74
- 05.7206.EQ



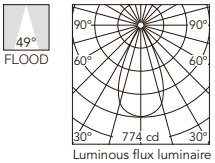
Luminous flux luminaire
524 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7207.B1
- 05.7207.GL
- 05.7207.74
- 05.7207.EQ



Luminous flux luminaire
532 lm (EXTREME CUT OFF)
@White (B1)

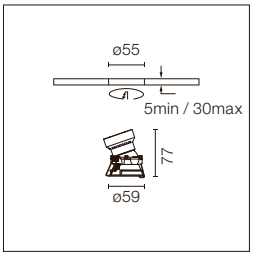
Beam Angle: 49°

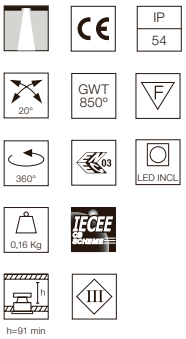
h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø50 Adjustable

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

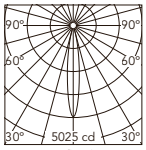
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9949
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7210.B1
- 05.7210.GL
- 05.7210.74
- 05.7210.EQ

15° SPOT



Luminous flux luminaire
543 lm (EXTREME CUT OFF)
@White (B1)

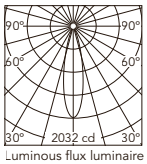
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Optic Medium 2700K

- 05.7211.B1
- 05.7211.GL
- 05.7211.74
- 05.7211.EQ

24° MEDIUM



Luminous flux luminaire
488 lm (EXTREME CUT OFF)
@White (B1)

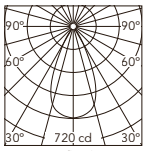
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Optic Flood 2700K

- 05.7212.B1
- 05.7212.GL
- 05.7212.74
- 05.7212.EQ

49° FLOOD



Luminous flux luminaire
496 lm (EXTREME CUT OFF)
@White (B1)

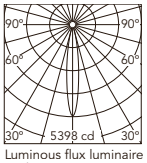
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Optic Spot 3000K

- 05.7215.B1
- 05.7215.GL
- 05.7215.74
- 05.7215.EQ

15° SPOT



Luminous flux luminaire
583 lm (EXTREME CUT OFF)
@White (B1)

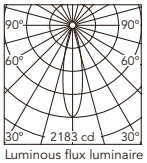
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Optic Medium 3000K

- 05.7216.B1
- 05.7216.GL
- 05.7216.74
- 05.7216.EQ

24° MEDIUM



Luminous flux luminaire
524 lm (EXTREME CUT OFF)
@White (B1)

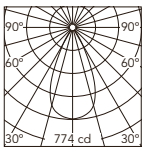
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Optic Flood 3000K

- 05.7217.B1
- 05.7217.GL
- 05.7217.74
- 05.7217.EQ

49° FLOOD



Luminous flux luminaire
532 lm (EXTREME CUT OFF)
@White (B1)

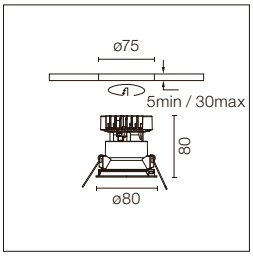
Beam Angle: 49°

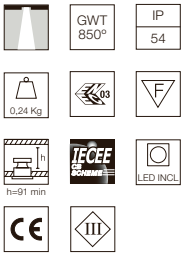
h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Easy Kap Ø80 - Fixed

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

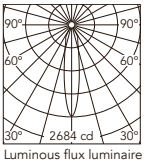
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4288.B1
- 03.4288.GL
- 03.4288.74
- 03.4288.EQ

19° SPOT



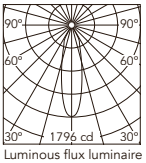
Luminous flux luminaire 710 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°		
h(m)	E(lx)	D(m)
1	2684	0.34
2	671	0.68
3	298	1.02
4	168	1.36
5	107	1.70

Optic Medium 2700K

- 03.4193.B1
- 03.4193.GL
- 03.4193.74
- 03.4193.EQ

26° MEDIUM



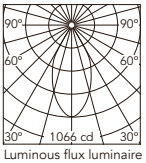
Luminous flux luminaire 606 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	1796	0.46
2	449	0.92
3	200	1.39
4	112	1.85
5	72	2.31

Optic Flood 2700K

- 03.4298.B1
- 03.4298.GL
- 03.4298.74
- 03.4298.EQ

50° FLOOD



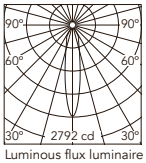
Luminous flux luminaire 688 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 50°		
h(m)	E(lx)	D(m)
1	1066	0.93
2	266	1.86
3	118	2.79
4	67	3.72
5	43	4.65

Optic Spot 3000K

- 03.4287.B1
- 03.4287.GL
- 03.4287.74
- 03.4287.EQ

19° SPOT



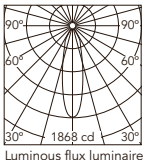
Luminous flux luminaire 739 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 19°		
h(m)	E(lx)	D(m)
1	2792	0.34
2	698	0.68
3	310	1.02
4	175	1.36
5	112	1.70

Optic Medium 3000K

- 03.4192.B1
- 03.4192.GL
- 03.4192.74
- 03.4192.EQ

26° MEDIUM



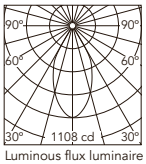
Luminous flux luminaire 630 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 26°		
h(m)	E(lx)	D(m)
1	1868	0.46
2	467	0.92
3	208	1.39
4	117	1.85
5	75	2.31

Optic Flood 3000K

- 03.4297.B1
- 03.4297.GL
- 03.4297.74
- 03.4297.EQ

50° FLOOD



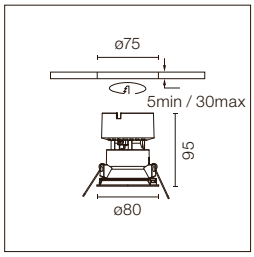
Luminous flux luminaire 715 lm (EXTREME CUT OFF)
@White (B1)

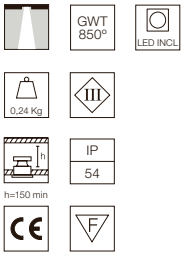
Beam Angle: 50°		
h(m)	E(lx)	D(m)
1	1108	0.93
2	277	1.86
3	123	2.79
4	69	3.72
5	44	4.65

Easy Kap Ø80 Plus - Fixed

Light Source: Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

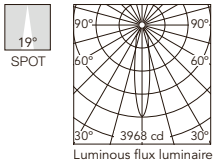
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7441.B1
- 05.7441.GL
- 05.7441.74
- 05.7441.EQ

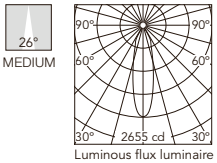


Luminous flux luminaire
1050 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°
h(m) E(lx)	D(m)
1 3968	0.34
2 992	0.68
3 441	1.02
4 248	1.36
5 159	1.70

Optic Medium 2700K

- 05.7431.B1
- 05.7431.GL
- 05.7431.74
- 05.7431.EQ

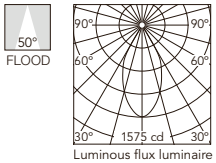


Luminous flux luminaire
896 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 2655	0.46
2 664	0.92
3 295	1.39
4 166	1.85
5 106	2.31

Optic Flood 2700K

- 05.7447.B1
- 05.7447.GL
- 05.7447.74
- 05.7447.EQ

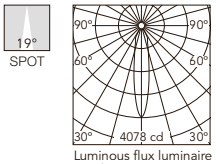


Luminous flux luminaire
1017 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	50°
h(m) E(lx)	D(m)
1 1575	0.93
2 394	1.86
3 175	2.79
4 98	3.72
5 63	4.65

Optic Spot 3000K

- 05.7440.B1
- 05.7440.GL
- 05.7440.74
- 05.7440.EQ

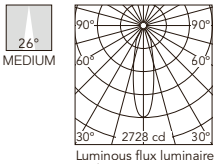


Luminous flux luminaire
1079 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°
h(m) E(lx)	D(m)
1 4078	0.34
2 1019	0.68
3 453	1.02
4 255	1.36
5 163	1.70

Optic Medium 3000K

- 05.7430.B1
- 05.7430.GL
- 05.7430.74
- 05.7430.EQ

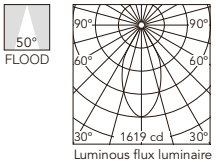


Luminous flux luminaire
921 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	26°
h(m) E(lx)	D(m)
1 2728	0.46
2 682	0.92
3 303	1.39
4 170	1.85
5 109	2.31

Optic Flood 3000K

- 05.7446.B1
- 05.7446.GL
- 05.7446.74
- 05.7446.EQ



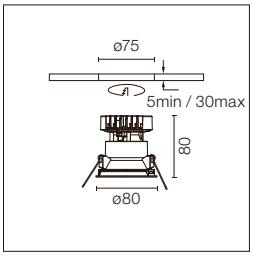
Luminous flux luminaire
1045 lm (EXTREME CUT OFF)
@White (B1)

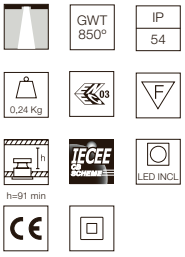
Beam Angle:	50°
h(m) E(lx)	D(m)
1 1619	0.93
2 405	1.86
3 180	2.79
4 101	3.72
5 65	4.65

Easy Kap Ø80 Fixed - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







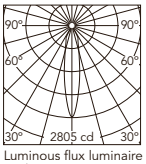
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

Optic Spot 1800K-2850K

- 03.4287.B1.LE
- 03.4287.GL.LE
- 03.4287.74.LE
- 03.4287.EQ.LE





Luminous flux luminaire
740 lm (EXTREME CUT OFF)
@White (B1)

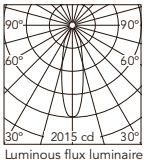
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2805	0.35
2	701	0.69
3	312	1.04
4	175	1.39
5	112	1.74

Optic Medium 1800K-2850K

- 03.4192.B1.LE
- 03.4192.GL.LE
- 03.4192.74.LE
- 03.4192.EQ.LE





Luminous flux luminaire
735 lm (EXTREME CUT OFF)
@White (B1)

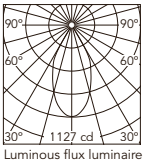
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2015	0.49
2	504	0.98
3	224	1.46
4	126	1.95
5	81	2.44

Optic Flood 1800K-2850K

- 03.4297.B1.LE
- 03.4297.GL.LE
- 03.4297.74.LE
- 03.4297.EQ.LE





Luminous flux luminaire
729 lm (EXTREME CUT OFF)
@White (B1)

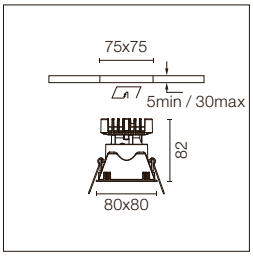
Beam Angle: 49°

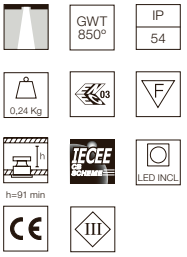
h(m)	E(lx)	D(m)
1	1127	0.92
2	282	1.83
3	125	2.75
4	70	3.67
5	45	4.59

Easy Kap 80 Square - Fixed

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

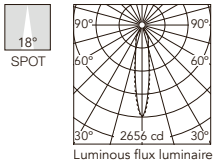
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4177.B1
- 03.4177.GL
- 03.4177.74
- 03.4177.EQ



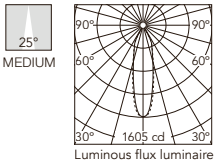
Luminous flux luminaire 741 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

Optic Medium 2700K

- 03.4195.B1
- 03.4195.GL
- 03.4195.74
- 03.4195.EQ



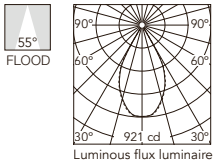
Luminous flux luminaire 615 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1605	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

Optic Flood 2700K

- 03.4179.B1
- 03.4179.GL
- 03.4179.74
- 03.4179.EQ



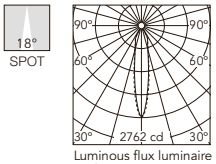
Luminous flux luminaire 723 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

Optic Spot 3000K

- 03.4176.B1
- 03.4176.GL
- 03.4176.74
- 03.4176.EQ



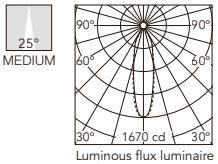
Luminous flux luminaire 771 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

Optic Medium 3000K

- 03.4194.B1
- 03.4194.GL
- 03.4194.74
- 03.4194.EQ



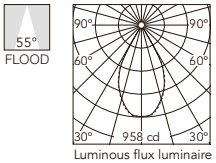
Luminous flux luminaire 640 lm (EXTREME CUT OFF) @White (B1)

Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1670	0.45
2	417	0.90
3	186	1.34
4	104	1.79
5	67	2.24

Optic Flood 3000K

- 03.4178.B1
- 03.4178.GL
- 03.4178.74
- 03.4178.EQ



Luminous flux luminaire 752 lm (EXTREME CUT OFF) @White (B1)

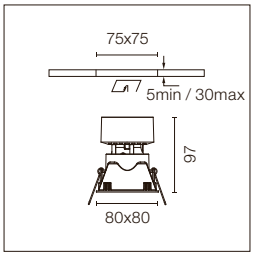
Beam Angle: 55°

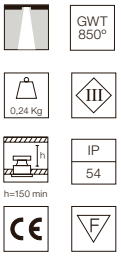
h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

Easy Kap 80 Square Plus - Fixed

Light Source: Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

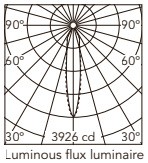
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7407.B1
- 05.7407.GL
- 05.7407.74
- 05.7407.EQ

18° SPOT



Luminous flux luminaire 1096 lm (EXTREME CUT OFF)
@White (B1)

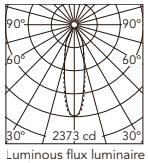
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3926	0.31
2	981	0.62
3	436	0.94
4	245	1.25
5	157	1.56

Optic Medium 2700K

- 05.7433.B1
- 05.7433.GL
- 05.7433.74
- 05.7433.EQ

25° MEDIUM



Luminous flux luminaire 910 lm (EXTREME CUT OFF)
@White (B1)

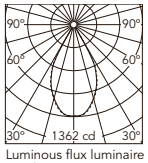
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2373	0.45
2	593	0.90
3	264	1.34
4	148	1.79
5	95	2.24

Optic Flood 2700K

- 05.7409.B1
- 05.7409.GL
- 05.7409.74
- 05.7409.EQ

55° FLOOD



Luminous flux luminaire 1069 lm (EXTREME CUT OFF)
@White (B1)

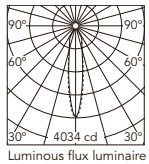
Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

Optic Spot 3000K

- 05.7406.B1
- 05.7406.GL
- 05.7406.74
- 05.7406.EQ

18° SPOT



Luminous flux luminaire 1126 lm (EXTREME CUT OFF)
@White (B1)

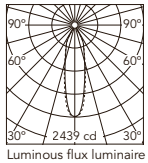
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4034	0.31
2	1009	0.62
3	448	0.94
4	252	1.25
5	161	1.56

Optic Medium 3000K

- 05.7432.B1
- 05.7432.GL
- 05.7432.74
- 05.7432.EQ

25° MEDIUM



Luminous flux luminaire 935 lm (EXTREME CUT OFF)
@White (B1)

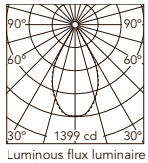
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2439	0.45
2	610	0.90
3	271	1.34
4	152	1.79
5	98	2.24

Optic Flood 3000K

- 05.7408.B1
- 05.7408.GL
- 05.7408.74
- 05.7408.EQ

55° FLOOD



Luminous flux luminaire 1099 lm (EXTREME CUT OFF)
@White (B1)

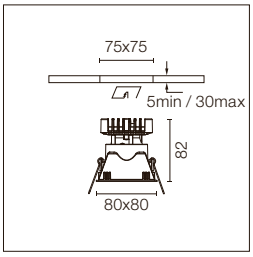
Beam Angle: 55°

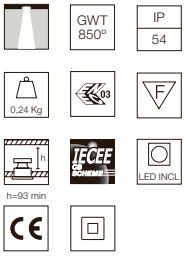
h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

Easy Kap 80 Square Fixed - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







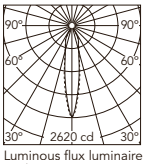
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

Optic Spot
1800K-2850K

- 03.4176.B1.LE
- 03.4176.GL.LE
- 03.4176.74.LE
- 03.4176.EQ.LE





Luminous flux luminaire
753 lm (EXTREME CUT OFF)
@White (B1)

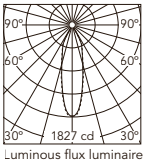
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

Optic Medium
1800K-2850K

- 03.4194.B1.LE
- 03.4194.GL.LE
- 03.4194.74.LE
- 03.4194.EQ.LE





Luminous flux luminaire
750 lm (EXTREME CUT OFF)
@White (B1)

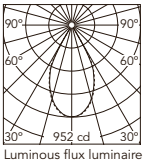
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

Optic Flood
1800K-2850K

- 03.4178.B1.LE
- 03.4178.GL.LE
- 03.4178.74.LE
- 03.4178.EQ.LE





Luminous flux luminaire
736 lm (EXTREME CUT OFF)
@White (B1)

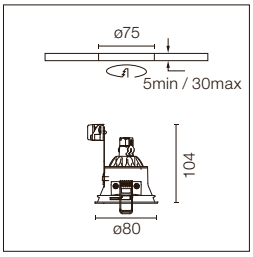
Beam Angle: 54°

h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

Easy Kap Ø80 Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

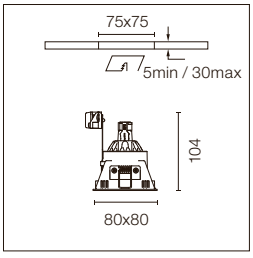
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

03.4210.B1
03.4210.GL
03.4210.74
03.4210.EQ

Easy Kap 80 Square Fixed

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

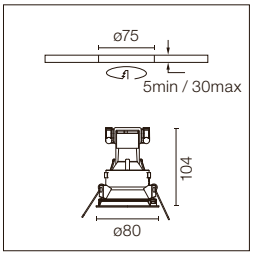
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

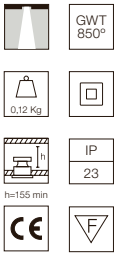
03.4208.B1
03.4208.GL
03.4208.74
03.4208.EQ

Easy Kap Ø80 Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

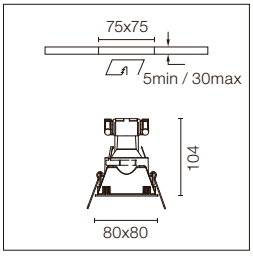
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

03.4211.B1
03.4211.GL
03.4211.74
03.4211.EQ

Easy Kap 80 Square Fixed

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.Installation frame not necessary.
Not suitable for lens accessories.

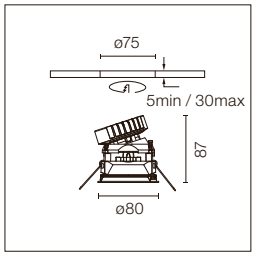
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

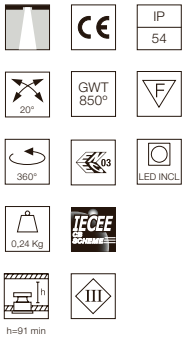
03.4209.B1
03.4209.GL
03.4209.74
03.4209.EQ

Easy Kap Ø80 - Adjustable

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

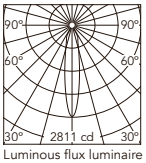
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4153.B1
- 03.4153.GL
- 03.4153.74
- 03.4153.EQ

18° SPOT



Luminous flux luminaire 704 lm (EXTREME CUT OFF)

@White (B1)

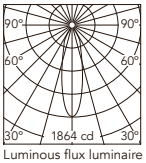
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2811	0.33
2	703	0.66
3	312	0.99
4	176	1.33
5	112	1.66

Optic Medium 2700K

- 03.4155.B1
- 03.4155.GL
- 03.4155.74
- 03.4155.EQ

26° MEDIUM



Luminous flux luminaire 664 lm (EXTREME CUT OFF)

@White (B1)

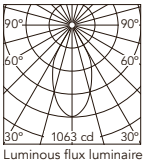
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1864	0.47
2	466	0.93
3	207	1.40
4	116	1.87
5	75	2.33

Optic Flood 2700K

- 03.4157.B1
- 03.4157.GL
- 03.4157.74
- 03.4157.EQ

47° FLOOD



Luminous flux luminaire 688 lm (EXTREME CUT OFF)

@White (B1)

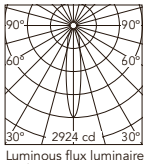
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1063	0.94
2	266	1.89
3	118	2.83
4	66	3.77
5	43	4.71

Optic Spot 3000K

- 03.4170.B1
- 03.4170.GL
- 03.4170.74
- 03.4170.EQ

18° SPOT



Luminous flux luminaire 732 lm (EXTREME CUT OFF)

@White (B1)

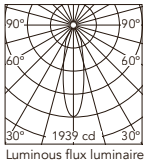
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2924	0.33
2	731	0.66
3	325	0.99
4	183	1.33
5	117	1.66

Optic Medium 3000K

- 03.4171.B1
- 03.4171.GL
- 03.4171.74
- 03.4171.EQ

26° MEDIUM



Luminous flux luminaire 691 lm (EXTREME CUT OFF)

@White (B1)

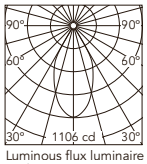
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1939	0.47
2	485	0.93
3	215	1.40
4	121	1.87
5	78	2.33

Optic Flood 3000K

- 03.4172.B1
- 03.4172.GL
- 03.4172.74
- 03.4172.EQ

47° FLOOD



Luminous flux luminaire 716 lm (EXTREME CUT OFF)

@White (B1)

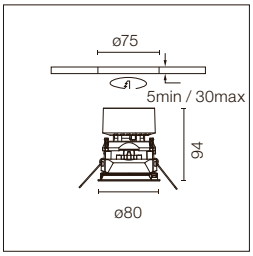
Beam Angle: 47°

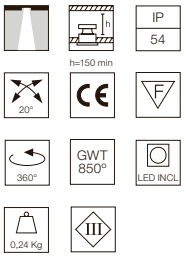
h(m)	E(lx)	D(m)
1	1106	0.94
2	276	1.89
3	123	2.83
4	69	3.77
5	44	4.71

Easy Kap Ø80 Plus - Adjustable

Light Source: Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

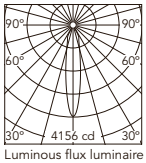
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7400.B1
- 05.7400.GL
- 05.7400.74
- 05.7400.EQ

19° SPOT



Luminous flux luminaire 1040 lm (EXTREME CUT OFF)
@White (B1)

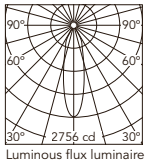
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4156	0.33
2	1039	0.66
3	462	0.99
4	260	1.33
5	166	1.66

Optic Medium 2700K

- 05.7401.B1
- 05.7401.GL
- 05.7401.74
- 05.7401.EQ

26° MEDIUM



Luminous flux luminaire 982 lm (EXTREME CUT OFF)
@White (B1)

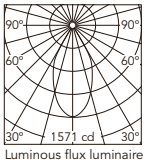
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2756	0.47
2	689	0.93
3	306	1.40
4	172	1.87
5	110	2.33

Optic Flood 2700K

- 05.7402.B1
- 05.7402.GL
- 05.7402.74
- 05.7402.EQ

50° FLOOD



Luminous flux luminaire 1017 lm (EXTREME CUT OFF)
@White (B1)

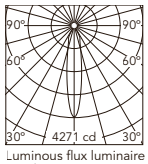
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

Optic Spot 3000K

- 05.7403.B1
- 05.7403.GL
- 05.7403.74
- 05.7403.EQ

19° SPOT



Luminous flux luminaire 1069 lm (EXTREME CUT OFF)
@White (B1)

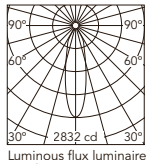
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4271	0.33
2	1068	0.66
3	475	0.99
4	267	1.33
5	171	1.66

Optic Medium 3000K

- 05.7404.B1
- 05.7404.GL
- 05.7404.74
- 05.7404.EQ

26° MEDIUM



Luminous flux luminaire 1009 lm (EXTREME CUT OFF)
@White (B1)

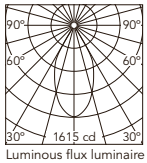
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2832	0.47
2	708	0.93
3	315	1.40
4	177	1.87
5	113	2.33

Optic Flood 3000K

- 05.7405.B1
- 05.7405.GL
- 05.7405.74
- 05.7405.EQ

50° FLOOD



Luminous flux luminaire 1045 lm (EXTREME CUT OFF)
@White (B1)

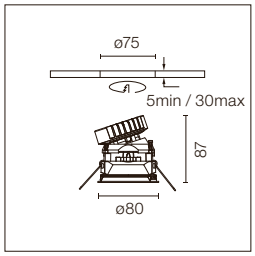
Beam Angle: 50°

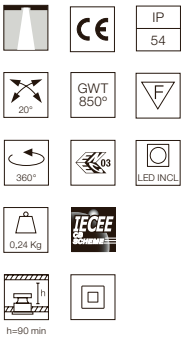
h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

Easy Kap Ø80 Adjustable - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







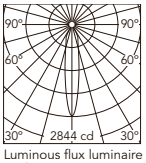
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

Optic Spot 1800K-2850K

- 03.4170.B1.LE
- 03.4170.GL.LE
- 03.4170.74.LE
- 03.4170.EQ.LE





Luminous flux luminaire
716 lm (EXTREME CUT OFF)
@White (B1)

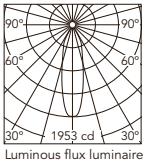
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

Optic Medium 1800K-2850K

- 03.4171.B1.LE
- 03.4171.GL.LE
- 03.4171.74.LE
- 03.4171.EQ.LE





Luminous flux luminaire
722 lm (EXTREME CUT OFF)
@White (B1)

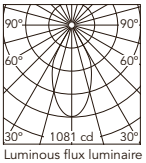
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

Optic Flood 1800K-2850K

- 03.4172.B1.LE
- 03.4172.GL.LE
- 03.4172.74.LE
- 03.4172.EQ.LE





Luminous flux luminaire
707 lm (EXTREME CUT OFF)
@White (B1)

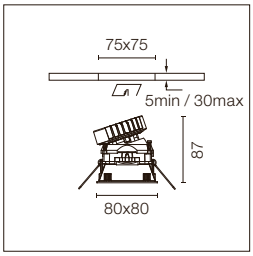
Beam Angle: 51°

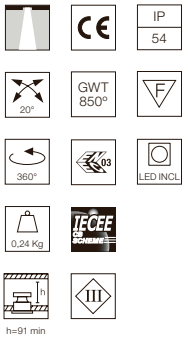
h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

Easy Kap 80 Square - Adjustable

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

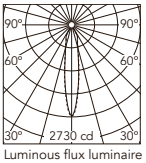
Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 03.4294.B1
- 03.4294.GL
- 03.4294.74
- 03.4294.EQ

18° SPOT



Luminous flux luminaire 738 lm (EXTREME CUT OFF)
@White (B1)

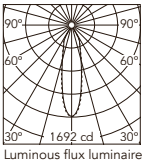
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2730	0.31
2	682	0.62
3	303	0.93
4	171	1.24
5	109	1.55

Optic Medium 2700K

- 03.4201.B1
- 03.4201.GL
- 03.4201.74
- 03.4201.EQ

25° MEDIUM



Luminous flux luminaire 630 lm (EXTREME CUT OFF)
@White (B1)

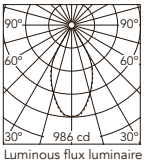
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1692	0.44
2	423	0.88
3	188	1.32
4	106	1.76
5	68	2.20

Optic Flood 2700K

- 03.4296.B1
- 03.4296.GL
- 03.4296.74
- 03.4296.EQ

53° FLOOD



Luminous flux luminaire 722 lm (EXTREME CUT OFF)
@White (B1)

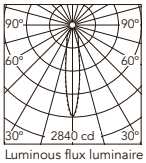
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	0.99
2	246	1.98
3	110	2.98
4	62	3.97
5	39	4.96

Optic Spot 3000K

- 03.4293.B1
- 03.4293.GL
- 03.4293.74
- 03.4293.EQ

18° SPOT



Luminous flux luminaire 768 lm (EXTREME CUT OFF)
@White (B1)

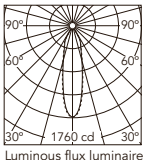
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2840	0.31
2	710	0.62
3	316	0.93
4	177	1.24
5	114	1.55

Optic Medium 3000K

- 03.4200.B1
- 03.4200.GL
- 03.4200.74
- 03.4200.EQ

25° MEDIUM



Luminous flux luminaire 656 lm (EXTREME CUT OFF)
@White (B1)

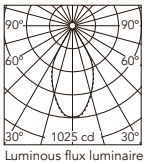
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1760	0.44
2	440	0.88
3	196	1.32
4	110	1.76
5	70	2.20

Optic Flood 3000K

- 03.4295.B1
- 03.4295.GL
- 03.4295.74
- 03.4295.EQ

53° FLOOD



Luminous flux luminaire 751 lm (EXTREME CUT OFF)
@White (B1)

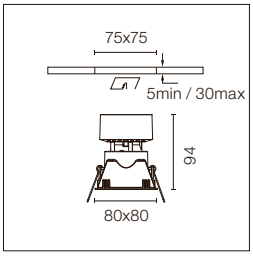
Beam Angle: 53°

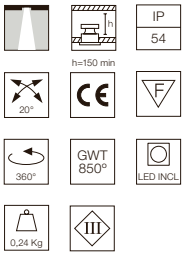
h(m)	E(lx)	D(m)
1	1025	0.99
2	256	1.98
3	114	2.98
4	64	3.97
5	41	4.96

Easy Kap 80 Square Plus - Adjustable

Light Source: Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.
Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

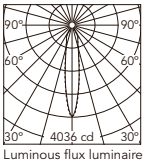
Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7443.B1
- 05.7443.GL
- 05.7443.74
- 05.7443.EQ

18° SPOT



Luminous flux luminaire 1092 lm (EXTREME CUT OFF)

@White (B1)

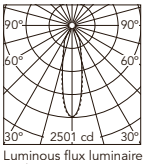
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4036	0.31
2	1009	0.62
3	448	0.93
4	252	1.24
5	161	1.55

Optic Medium 2700K

- 05.7439.B1
- 05.7439.GL
- 05.7439.74
- 05.7439.EQ

25° MEDIUM



Luminous flux luminaire 932 lm (EXTREME CUT OFF)

@White (B1)

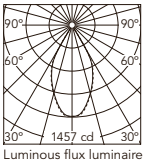
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2501	0.44
2	625	0.88
3	278	1.32
4	156	1.76
5	100	2.20

Optic Flood 2700K

- 05.7445.B1
- 05.7445.GL
- 05.7445.74
- 05.7445.EQ

53° FLOOD



Luminous flux luminaire 1068 lm (EXTREME CUT OFF)

@White (B1)

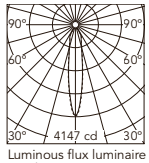
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

Optic Spot 3000K

- 05.7442.B1
- 05.7442.GL
- 05.7442.74
- 05.7442.EQ

18° SPOT



Luminous flux luminaire 1122 lm (EXTREME CUT OFF)

@White (B1)

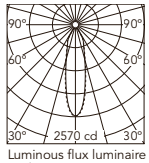
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	4147	0.31
2	1037	0.62
3	461	0.93
4	259	1.24
5	166	1.55

Optic Medium 3000K

- 05.7438.B1
- 05.7438.GL
- 05.7438.74
- 05.7438.EQ

25° MEDIUM



Luminous flux luminaire 958 lm (EXTREME CUT OFF)

@White (B1)

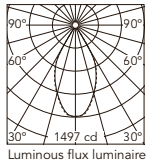
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2570	0.44
2	643	0.88
3	286	1.32
4	161	1.76
5	103	2.20

Optic Flood 3000K

- 05.7444.B1
- 05.7444.GL
- 05.7444.74
- 05.7444.EQ

53° FLOOD



Luminous flux luminaire 1097 lm (EXTREME CUT OFF)

@White (B1)

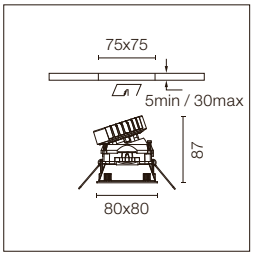
Beam Angle: 53°

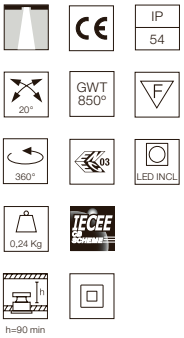
h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

Easy Kap 80 Square Adjustable - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







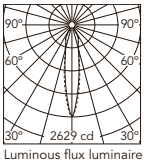
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

Optic Spot
1800K-2850K

- 03.4293.B1.LE
- 03.4293.GL.LE
- 03.4293.74.LE
- 03.4293.EQ.LE





Luminous flux luminaire
754 lm (EXTREME CUT OFF)
@White (B1)

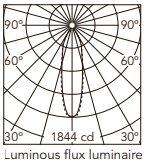
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

Optic Medium
1800K-2850K

- 03.4200.B1.LE
- 03.4200.GL.LE
- 03.4200.74.LE
- 03.4200.EQ.LE





Luminous flux luminaire
752 lm (EXTREME CUT OFF)
@White (B1)

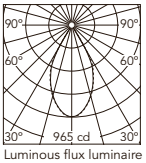
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

Optic Flood
1800K-2850K

- 03.4295.B1.LE
- 03.4295.GL.LE
- 03.4295.74.LE
- 03.4295.EQ.LE





Luminous flux luminaire
732 lm (EXTREME CUT OFF)
@White (B1)

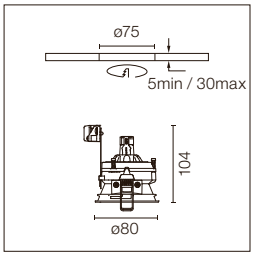
Beam Angle: 53°

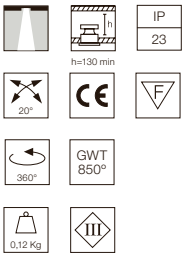
h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

Easy Kap Ø80 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

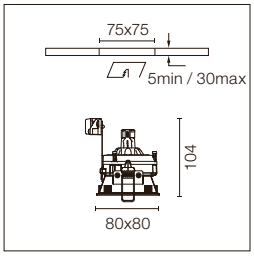
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

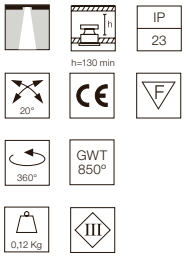
03.4160.B1
03.4160.GL
03.4160.74
03.4160.EQ

Easy Kap 80 Square Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

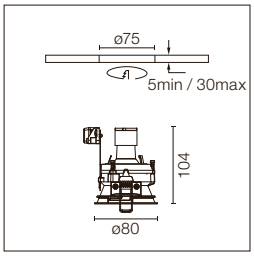
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

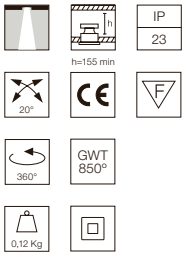
03.4212.B1
03.4212.GL
03.4212.74
03.4212.EQ

Easy Kap Ø80 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

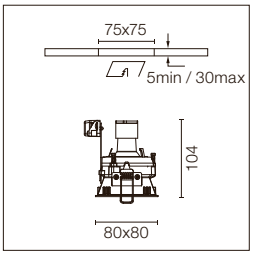
Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

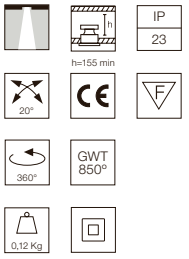
03.4162.B1
03.4162.GL
03.4162.74
03.4162.EQ

Easy Kap 80 Square Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

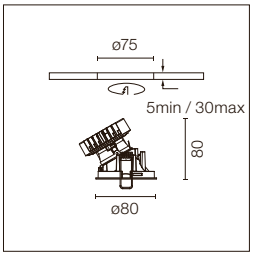
Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

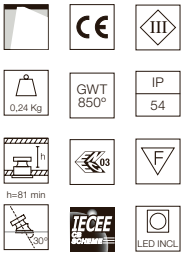
03.4213.B1
03.4213.GL
03.4213.74
03.4213.EQ

Easy Kap Ø80 - Wall-Washer

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

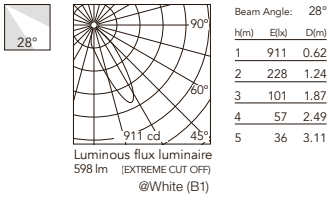
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.4197.B1
- 03.4197.GL
- 03.4197.74
- 03.4197.EQ



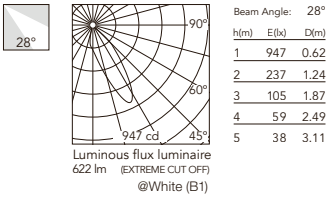
Luminous flux luminaire
598 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	911	0.62
2	228	1.24
3	101	1.87
4	57	2.49
5	36	3.11

3000K

- 03.4196.B1
- 03.4196.GL
- 03.4196.74
- 03.4196.EQ



Luminous flux luminaire
622 lm (EXTREME CUT OFF)
@White (B1)

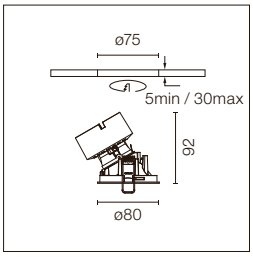
Beam Angle: 28°

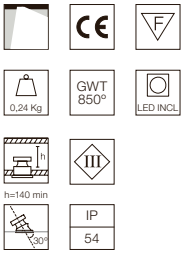
h(m)	E(lx)	D(m)
1	947	0.62
2	237	1.24
3	105	1.87
4	59	2.49
5	38	3.11

Easy Kap Ø80 Plus - Wall-Washer

Light Source: Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

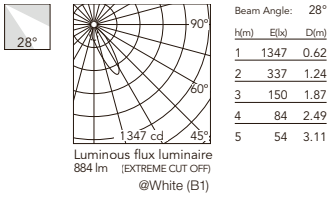
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 05.7435.B1
- 05.7435.GL
- 05.7435.74
- 05.7435.EQ



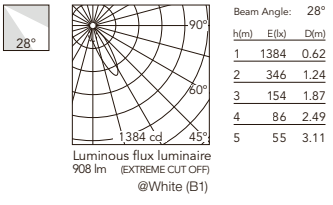
Luminous flux luminaire
884 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1347	0.62
2	337	1.24
3	150	1.87
4	84	2.49
5	54	3.11

3000K

- 05.7434.B1
- 05.7434.GL
- 05.7434.74
- 05.7434.EQ



Luminous flux luminaire
908 lm (EXTREME CUT OFF)
@White (B1)

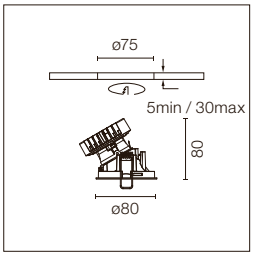
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1384	0.62
2	346	1.24
3	154	1.87
4	86	2.49
5	55	3.11

Easy Kap Ø80 Wall-Washer - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







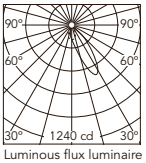
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

- 03.4196.B1.LE
- 03.4196.GL.LE
- 03.4196.74.LE
- 03.4196.EQ.LE





Luminous flux luminaire
770 lm [EXTREME CUT OFF]
@White (B1)

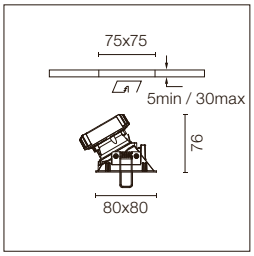
Beam Angle: 28°

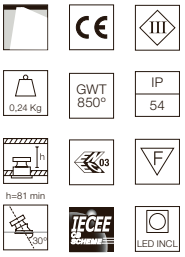
h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

Easy Kap 80 Square - Wall-Washer

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

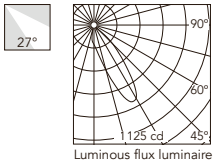
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

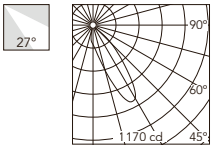
2700K
- 03.4199.B1
- 03.4199.GL
- 03.4199.74
- 03.4199.EQ



Luminous flux luminaire
625 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1125	0.62
2	281	1.24
3	125	1.85
4	70	2.47
5	45	3.09

3000K
- 03.4198.B1
- 03.4198.GL
- 03.4198.74
- 03.4198.EQ



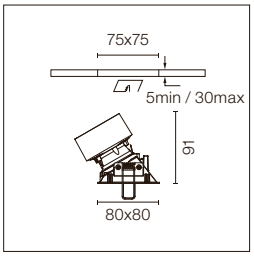
Luminous flux luminaire
650 lm [EXTREME CUT OFF]
@White (B1)

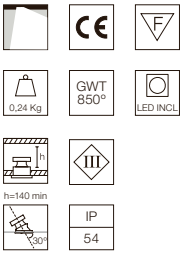
Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1170	0.62
2	292	1.24
3	130	1.85
4	73	2.47
5	47	3.09

Easy Kap 80 Square Plus - Wall-Washer

Light Source: Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

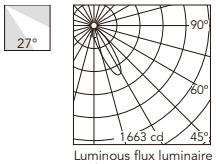
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

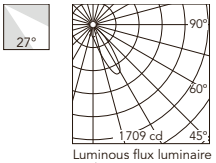
2700K
- 05.7437.B1
- 05.7437.GL
- 05.7437.74
- 05.7437.EQ



Luminous flux luminaire
924 lm [EXTREME CUT OFF]
@White (B1)

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1663	0.62
2	416	1.24
3	185	1.85
4	104	2.47
5	67	3.09

3000K
- 05.7436.B1
- 05.7436.GL
- 05.7436.74
- 05.7436.EQ



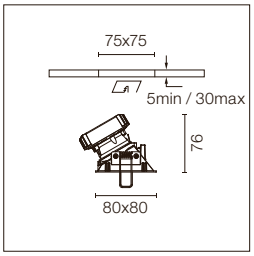
Luminous flux luminaire
950 lm [EXTREME CUT OFF]
@White (B1)

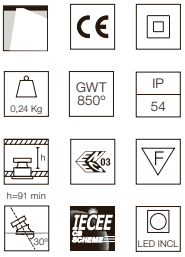
Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1709	0.62
2	427	1.24
3	190	1.85
4	107	2.47
5	68	3.09

Easy Kap 80 Square Wall-Washer - Dim To Warm

Light Source: LED Array 13W - 1023 lm - 1800K - 2850K/CRI 95 - Dim To Warm







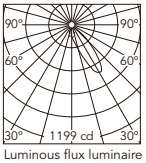
Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

1800K-2850K

- 03.4198.B1.LE
- 03.4198.GL.LE
- 03.4198.74.LE
- 03.4198.EQ.LE





Luminous flux luminaire
723 lm [EXTREME CUT OFF]
@White (B1)

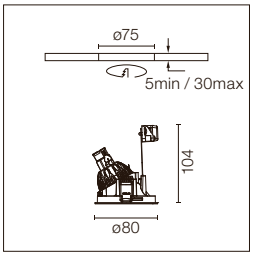
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

Easy Kap Ø80 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

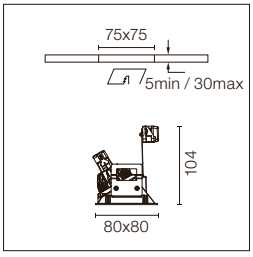
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

03.4220.B1
03.4220.GL
03.4220.74
03.4220.EQ

Easy Kap 80 Square Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

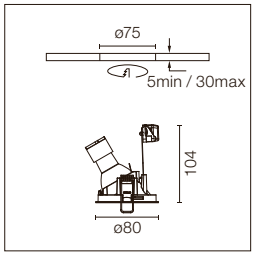
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario.
Accesorios de lentes no disponibles.

03.4218.B1
03.4218.GL
03.4218.74
03.4218.EQ

Easy Kap Ø80 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

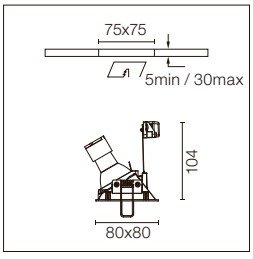
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

03.4221.B1
03.4221.GL
03.4221.74
03.4221.EQ

Easy Kap 80 Square Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

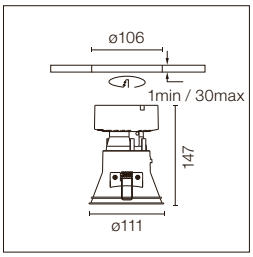
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

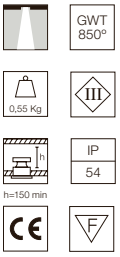
03.4219.B1
03.4219.GL
03.4219.74
03.4219.EQ

Easy Kap Ø105 Fixed

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

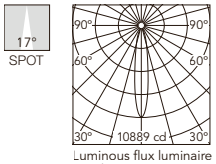
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7000.B1
- 05.7000.GL
- 05.7000.74
- 05.7000.EQ



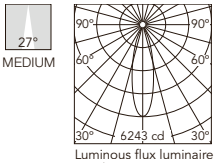
Luminous flux luminaire 1715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Medium 2700K

- 05.7001.B1
- 05.7001.GL
- 05.7001.74
- 05.7001.EQ



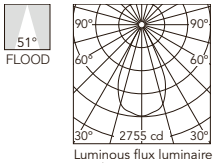
Luminous flux luminaire 1675 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Flood 2700K

- 05.7002.B1
- 05.7002.GL
- 05.7002.74
- 05.7002.EQ



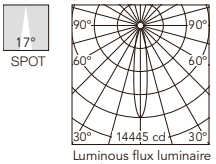
Luminous flux luminaire 1815 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Spot 3000K

- 05.7005.B1
- 05.7005.GL
- 05.7005.74
- 05.7005.EQ



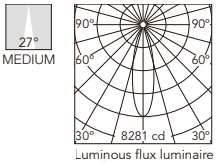
Luminous flux luminaire 2275 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 3000K

- 05.7006.B1
- 05.7006.GL
- 05.7006.74
- 05.7006.EQ



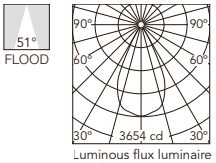
Luminous flux luminaire 2222 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 3000K

- 05.7007.B1
- 05.7007.GL
- 05.7007.74
- 05.7007.EQ



Luminous flux luminaire 2407 lm (EXTREME CUT OFF)
@White (B1)

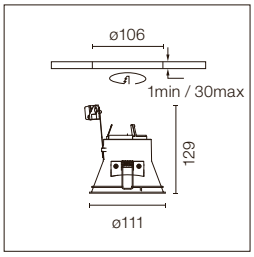
Beam Angle: 51°

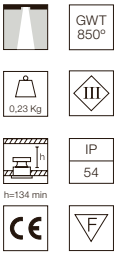
h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Easy Kap Ø105 Fixed EVO

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
To replace the bulb, the luminaire must be removed.
Installation frame not necessary.
Not suitable for lens accessories.

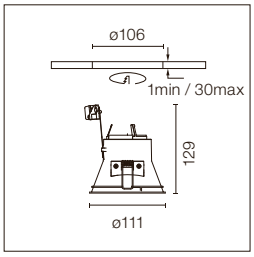
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Para sustituir la bombilla hay que extraer la liminaria.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

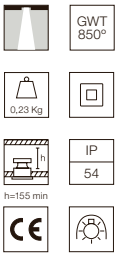
- 05.7030.B1
- 05.7030.GL
- 05.7030.74
- 05.7030.EQ

Easy Kap Ø105 Fixed EVO

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
To replace the bulb, the luminaire must be removed.
Installation frame not necessary.
Not suitable for lens accessories.

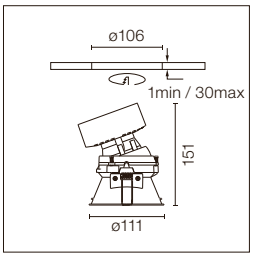
Luminaria empotrable con alimentación directa a red.
Para sustituir la bombilla hay que extraer la liminaria.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

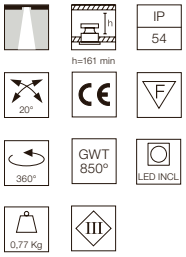
- 05.7031.B1
- 05.7031.GL
- 05.7031.74
- 05.7031.EQ

Easy Kap Ø105 Adjustable

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote transformer not included.
Installation frame not necessary.

Luminaria empotrable para fuente de luz LED.Transformador remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

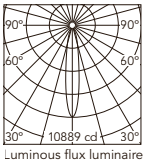
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7010.B1
- 05.7010.GL
- 05.7010.74
- 05.7010.EQ

17° SPOT



Luminous flux luminaire 1715 lm (EXTREME CUT OFF)
@White (B1)

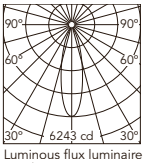
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

Optic Medium 2700K

- 05.7011.B1
- 05.7011.GL
- 05.7011.74
- 05.7011.EQ

27° MEDIUM



Luminous flux luminaire 1675 lm (EXTREME CUT OFF)
@White (B1)

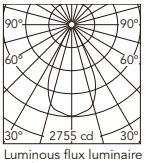
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

Optic Flood 2700K

- 05.7012.B1
- 05.7012.GL
- 05.7012.74
- 05.7012.EQ

51° FLOOD



Luminous flux luminaire 1815 lm (EXTREME CUT OFF)
@White (B1)

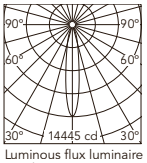
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

Optic Spot 3000K

- 05.7015.B1
- 05.7015.GL
- 05.7015.74
- 05.7015.EQ

17° SPOT



Luminous flux luminaire 2275 lm (EXTREME CUT OFF)
@White (B1)

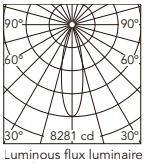
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

Optic Medium 3000K

- 05.7016.B1
- 05.7016.GL
- 05.7016.74
- 05.7016.EQ

27° MEDIUM



Luminous flux luminaire 2222 lm (EXTREME CUT OFF)
@White (B1)

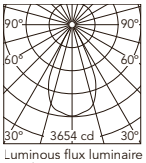
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

Optic Flood 3000K

- 05.7017.B1
- 05.7017.GL
- 05.7017.74
- 05.7017.EQ

51° FLOOD



Luminous flux luminaire 2407 lm (EXTREME CUT OFF)
@White (B1)

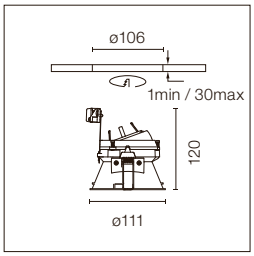
Beam Angle: 51°

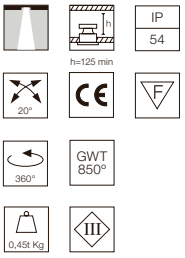
h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

Easy Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

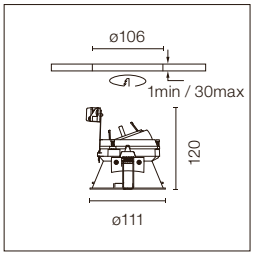
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

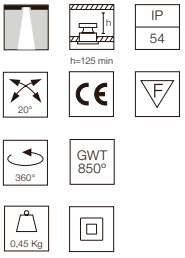
- 05.7035.B1
- 05.7035.GL
- 05.7035.74
- 05.7035.EQ

Easy Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Marco de instalación no necesario.
Not suitable for lens accessories.

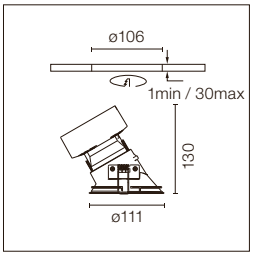
Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7036.B1
- 05.7036.GL
- 05.7036.74
- 05.7036.EQ

Easy Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido.
Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

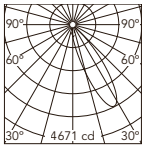
Non Dimmable	60.9592
Dimmable 1-10V	60.9439
Dimmable Dali 2	60.7709
Casambi	60.9207
Mains Dimming	60.9692

* Refer to the Drivers chapter / Ver capítulo Drivers

Optic Spot 2700K

- 05.7020.B1
- 05.7020.GL
- 05.7020.74
- 05.7020.EQ





Luminous flux luminaire
1621 lm (EXTREME CUT OFF)
@White (B1)

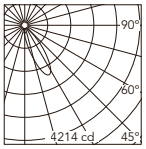
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

Optic Spot 3000K

- 05.7021.B1
- 05.7021.GL
- 05.7021.74
- 05.7021.EQ





* Luminous flux luminaire
1898 lm (EXTREME CUT OFF)
@White (B1)

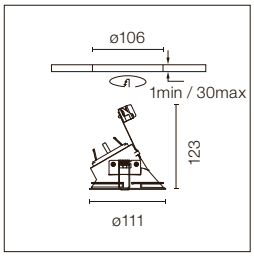
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

Easy Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3







Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

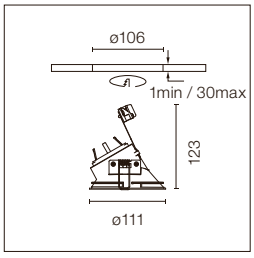
Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7040.B1
- 05.7040.GL
- 05.7040.74
- 05.7040.EQ

Easy Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10







Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7041.B1
- 05.7041.GL
- 05.7041.74
- 05.7041.EQ

BON JOUR

DESIGNED BY PHILIPPE STARCK

BON JOUR Ø45	BON JOUR Ø90	BON JOUR Ø145
		
LIGHT SOURCE POWER LED 6W 524 lm 2700K/CRI 90 605 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 13,5W 1500 lm 2700K/CRI 90 16W 2093 lm 3000K/CRI 90	**LIGHT SOURCE** LED ARRAY 36W 3847 lm 2700K/CRI 90 3840 lm 3000K/CRI 90

☐ 01 White
01 Blanco

■ CU Copper
CU Cobre

■ 14 Black
14 Negro





Description
LED luminaire for recessed mounting on plasterboard ceilings.
Once installed, the luminaire edge sticks out of the ceiling 10 mm creating a unique and very refined aesthetic effect.
The luminaire´s body is injected with aluminium. It is available in three sizes: Ø45 mm, Ø90 mm and Ø145 mm.
Reflector made of anodized gloss aluminium with diffuser element made of polycarbonate.

Power Supply
Cabling included, ready to be powered by included remote driver.
Dali dimmable version available.
Versions without driver and 110V driver available on request.

Accessories
- Installation frame made from thermoplastic material for installation in suspended ceilings required for the Ø90 mm and Ø145 mm versions (not necessary for Ø45 mm version).
- Honeycomb and cross screening cylinder (included for Ø45 mm version).
- Screening accesories available for the ø145 version, with the same finishes as the decorative Bon Jour luminaire. See the Flos “The Home Collection” catalogue for more information.

Additional Information
IP44 protection grade.
Insulation class II.
Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria LED para ser instalada en falso techo.
Una vez instalado, el borde de la luminaria sobresale del techo 10 mm creando un efecto estético único y refinado.
Cuerpo de la luminaria realizado en aluminio inyectado.
Disponible en tres tamaños: Ø45 mm, Ø90 mm y Ø145 mm.
Reflector de aluminio anodizado brillante con elemento difusor realizado en policarbonato.

Unidades de Alimentación
Cableado incluido, diponible para conectar a equipo remoto.
Versión Dali dimmable disponible.
Versiones sin equipo y con equipo 110V disponibles bajo pedido.

Accesorios
- Marco de instalación realizado en material termoplástico para su instalación en falso techo, necesario para las versiones Ø90 mm y Ø145 mm (no es necesario para la versión de Ø45 mm).
- Accesorios honeycomb y cruceta de apantallamiento (incluidos en la versión de Ø45 mm).
- Accesorios de apantallamiento disponibles para la versión ø145, con los mismos acabados que la luminaria Bon Jour decorativa. Ver el catálogo Flos “The Home Collection” para más detalles.

Información Adicional
Índice de protección IP44.
Clase de aislamiento II.
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

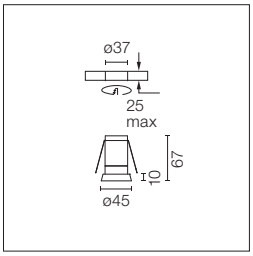
Ø45

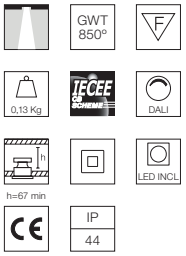
Ø90 / Ø145

Bon Jour Ø45

Light Source: Power LED DC 400 mA - 6W - 524 lm - 2700K/CRI 90 / 6W - 605 lm - 3000K/CRI 90







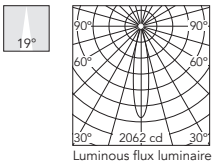
Recessed luminaire with LED light source. Remote 220/240V power supply included. It is necessary to anticipate a space for accessing the driver.

Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida. Necesario acceso al driver por registro.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

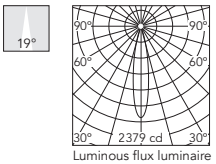
2700K
Non Dimmable
☐ 03.2001.01B
Dali Version
☐ 03.2001.01BDA



Luminous flux luminaire 306 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2062 0.34
2	516 0.68
3	229 1.02
4	129 1.36
5	82 1.70

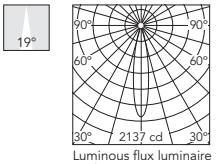
3000K
Non Dimmable
☐ 03.2006.01B
Dali Version
☐ 03.2006.01BDA



Luminous flux luminaire 353 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2379 0.34
2	595 0.68
3	264 1.02
4	149 1.36
5	95 1.70

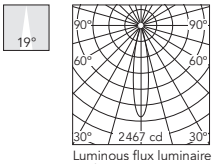
2700K
Non Dimmable
■ 03.2001.CUB
Dali Version
■ 03.2001.CUBDA



Luminous flux luminaire 311 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2137 0.34
2	534 0.67
3	237 1.01
4	134 1.34
5	85 1.68

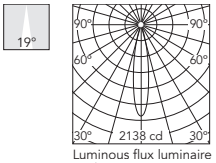
3000K
Non Dimmable
■ 03.2006.CUB
Dali Version
■ 03.2006.CUBDA



Luminous flux luminaire 359 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2467 0.34
2	617 0.67
3	274 1.01
4	154 1.34
5	99 1.68

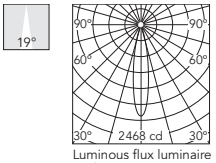
2700K
Non Dimmable
■ 03.2001.14B
Dali Version
■ 03.2001.14BDA



Luminous flux luminaire 311 lm

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2138 0.34
2	534 0.67
3	238 1.01
4	134 1.34
5	86 1.68

3000K
Non Dimmable
■ 03.2006.14B
Dali Version
■ 03.2006.14BDA



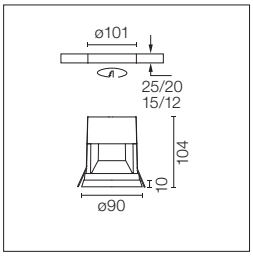
Luminous flux luminaire 359 lm

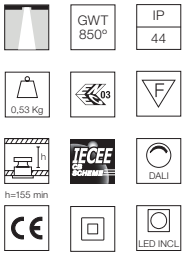
Beam Angle:	19°
h(m)	E(lx) D(m)
1	2468 0.34
2	617 0.67
3	274 1.01
4	154 1.34
5	99 1.68

Bon Jour Ø90

Light Source: LED Array DC 500 mA - 13,5W - 1500 lm - 2700K/CRI 90 / 400 mA - 16W - 2093 lm - 3000K/CRI 90







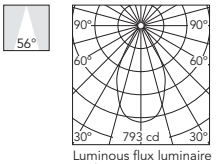
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Marco de pre-instalación. Se ha de pedir por separado.

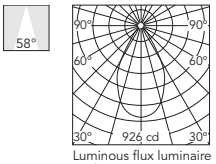
2700K
Non Dimmable
☐ 03.2003.01A
Dali Version
☐ 03.2003.01ADA



Luminous flux luminaire 736 lm

Beam Angle:	56°
h(m)	E(lx) D(m)
1	793 1.07
2	198 2.14
3	88 3.21
4	50 4.28
5	32 5.35

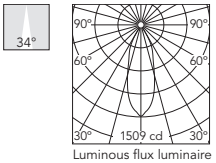
3000K
Non Dimmable
☐ 03.2007.01A
Dali Version
☐ 03.2007.01ADA



Luminous flux luminaire 907 lm

Beam Angle:	58°
h(m)	E(lx) D(m)
1	926 1.11
2	232 2.21
3	103 3.32
4	58 4.42
5	37 5.53

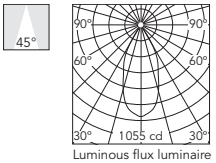
2700K
Non Dimmable
■ 03.2003.CUA
Dali Version
■ 03.2003.CUADA



Luminous flux luminaire 640 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	1509 0.60
2	377 1.21
3	168 1.81
4	94 2.42
5	60 3.02

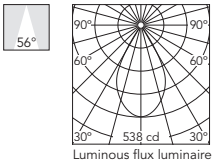
3000K
Non Dimmable
■ 03.2007.CUA
Dali Version
■ 03.2007.CUADA



Luminous flux luminaire 607 lm

Beam Angle:	45°
h(m)	E(lx) D(m)
1	1055 0.82
2	264 1.65
3	117 2.47
4	66 3.30
5	42 4.12

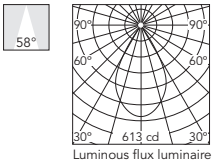
2700K
Non Dimmable
■ 03.2003.14A
Dali Version
■ 03.2003.14ADA



Luminous flux luminaire 383 lm

Beam Angle:	56°
h(m)	E(lx) D(m)
1	538 1.07
2	135 2.15
3	60 3.22
4	34 4.29
5	22 5.37

3000K
Non Dimmable
■ 03.2007.14A
Dali Version
■ 03.2007.14ADA



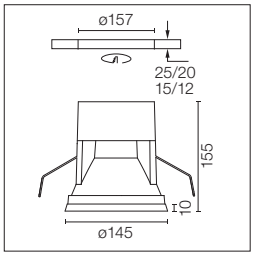
Luminous flux luminaire 460 lm

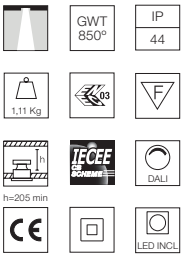
Beam Angle:	58°
h(m)	E(lx) D(m)
1	613 1.10
2	153 2.21
3	68 3.31
4	38 4.42
5	25 5.52

Bon Jour Ø145

Light Source: LED Array DC 900 mA - 36W - 3847 lm - 2700K/CRI 90 / 36W - 3840 lm - 3000K/CRI 90







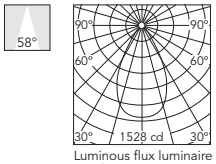
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Marco de pre-instalación. Se ha de pedir por separado.

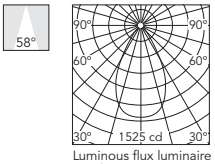
2700K
Non Dimmable
☐ 03.2005.01A
Dali Version
☐ 03.2005.01ADA



Luminous flux luminaire 1530 lm

Beam Angle:	58°
h(m) E(lx)	D(m)
1 1528	1.10
2 382	2.20
3 170	3.29
4 96	4.39
5 61	5.49

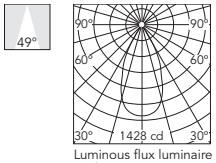
3000K
Non Dimmable
☐ 03.2008.01A
Dali Version
☐ 03.2008.01ADA



Luminous flux luminaire 1527 lm

Beam Angle:	58°
h(m) E(lx)	D(m)
1 1525	1.10
2 381	2.20
3 169	3.29
4 95	4.39
5 61	5.49

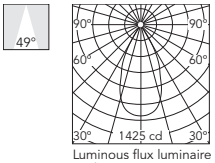
2700K
Non Dimmable
■ 03.2005.CUA
Dali Version
■ 03.2005.CUADA



Luminous flux luminaire 891 lm

Beam Angle:	49°
h(m) E(lx)	D(m)
1 1428	0.91
2 357	1.83
3 159	2.74
4 89	3.65
5 57	4.57

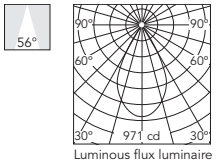
3000K
Non Dimmable
■ 03.2008.CUA
Dali Version
■ 03.2008.CUADA



Luminous flux luminaire 889 lm

Beam Angle:	49°
h(m) E(lx)	D(m)
1 1425	0.91
2 356	1.83
3 158	2.74
4 89	3.65
5 57	4.57

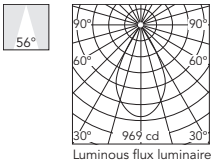
2700K
Non Dimmable
■ 03.2005.14A
Dali Version
■ 03.2005.14ADA



Luminous flux luminaire 695 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 971	1.05
2 243	2.11
3 108	3.16
4 61	4.22
5 39	5.27

3000K
Non Dimmable
■ 03.2008.14A
Dali Version
■ 03.2008.14ADA



Luminous flux luminaire 693 lm

Beam Angle:	56°
h(m) E(lx)	D(m)
1 969	1.05
2 242	2.11
3 108	3.16
4 61	4.22
5 39	5.27

Accessories / Accesorios

Bon Jour Ø90

Pre-installation frame.

Marco de pre-instalación.



08.8974.00

Honeycomb and screening crosspiece.

Honeycomb y cruceta de apantallamiento.



08.8976.14

Bon Jour Ø145

Pre-installation frame.

Marco de pre-instalación.



08.8975.00

Honeycomb and screening crosspiece.

Honeycomb y cruceta de apantallamiento.



08.8980.14

Decorative screening accessory.



08.8977.00

Accesorio decorativo de apantallamiento.



08.8978.00



08.8979.00

UT DOWNLIGHT

DESIGNED BY FLOS ARCHITECTURAL

TRIM / NO TRIM
Ø57



LIGHT SOURCE
LED ARRAY
18W
2000 lm
3000K/CRI 80
1600 lm
3000K/CRI 90
4000K/CRI 90

TRIM / NO TRIM
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
27W
3214 lm
3000K/CRI 80
2656 lm
3000K/CRI 90
2767 lm
4000K/CRI 90

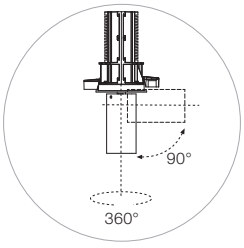
☐ 30 White
30 Blanco



■ 14 Black
14 Negro



Can be rotated 360° and swivelled 90°.
Puede ser rotado 360° y orientado 90°.



Description
Interior lighting for embedded installation with high power LED technology light sources, in Dali and Non Dali versions.
The family is available in two sizes (Ø57 and Ø86).
In an upper position it functions as a downlight, and in a lower position it functions as a swivelling projector.
The optical body of the luminaire is manufactured in high-pressure die-cast aluminium, finished in black or white powder paint.
Remote power kit included.

Power Supply
Not dimmable or dimmable Dali 220-240V, constant current, power supply included.

Accessories
- Screening crosspiece, elliptical lens, flood lens and Honeycomb.
- No Trim installation frame.

Additional Information
IP20 protection grade.
Insulation class II.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de interior para instalación empotrada con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No Dali.
La familia está disponible en dos tamaños (Ø57 y Ø86).
En posición superior funciona como donwlight y en posición inferior funciona como proyector orientable.
El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Equipo de alimentación remoto incluido.

Unidades de Alimentación
Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida.

Accesorios
- Disponibles cruceta de apantallamiento, lente elíptica, lente Flood y Honeycomb.
- Marco de instalación No Trim.

Información Adicional
Índice de protección IP20.
Clase de aislamiento II.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

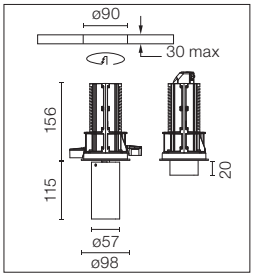
Trim

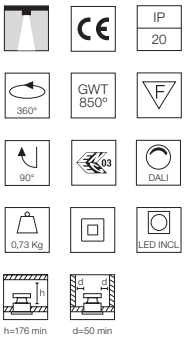
No Trim

Ut Downlight Trim Ø57

Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

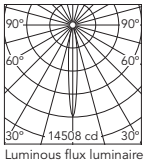
Non Dimmable

- ■ 09.4510.30A
- ■ 09.4510.14A

Dali Version

- ■ 09.4510.30ADA
- ■ 09.4510.14ADA

11° SPOT



Luminous flux luminaire 1295 lm

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	14508	0.19
2	3627	0.39
3	1612	0.58
4	907	0.77
5	580	0.97

4000K - CRI 90

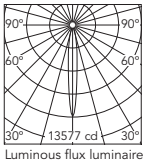
Non Dimmable

- ■ 09.4516.30A
- ■ 09.4516.14A

Dali Version

- ■ 09.4516.30ADA
- ■ 09.4516.14ADA

11° SPOT



Luminous flux luminaire 1212 lm

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	13577	0.19
2	3394	0.39
3	1509	0.58
4	849	0.77
5	543	0.97

3000K - CRI 90

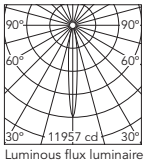
Non Dimmable

- □ 09.4513.30A
- ■ 09.4513.14A

Dali Version

- ■ 09.4513.30ADA
- ■ 09.4513.14ADA

11° SPOT



Luminous flux luminaire 1067 lm

Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	11957	0.19
2	2989	0.39
3	1329	0.58
4	747	0.77
5	478	0.97

3000K - CRI 80

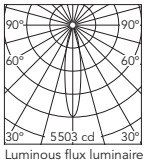
Non Dimmable

- ■ 09.4511.30A
- ■ 09.4511.14A

Dali Version

- ■ 09.4511.30ADA
- ■ 09.4511.14ADA

21° MEDIUM



Luminous flux luminaire 981 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5503	0.36
2	1376	0.72
3	611	1.09
4	344	1.45
5	220	1.81

4000K - CRI 90

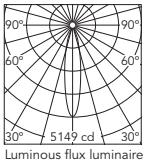
Non Dimmable

- ■ 09.4517.30A
- ■ 09.4517.14A

Dali Version

- ■ 09.4517.30ADA
- ■ 09.4517.14ADA

21° MEDIUM



Luminous flux luminaire 918 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5149	0.36
2	1287	0.72
3	572	1.09
4	322	1.45
5	206	1.81

3000K - CRI 90

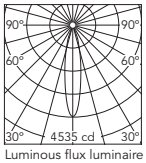
Non Dimmable

- □ 09.4514.30A
- ■ 09.4514.14A

Dali Version

- ■ 09.4514.30ADA
- ■ 09.4514.14ADA

21° MEDIUM



Luminous flux luminaire 808 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	4535	0.36
2	1134	0.72
3	504	1.09
4	283	1.45
5	181	1.81

3000K - CRI 80

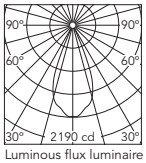
Non Dimmable

- ■ 09.4512.30A
- ■ 09.4512.14A

Dali Version

- ■ 09.4512.30ADA
- ■ 09.4512.14ADA

43° FLOOD



Luminous flux luminaire 995 lm

Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	2190	0.79
2	548	1.58
3	243	2.37
4	137	3.16
5	88	3.95

4000K - CRI 90

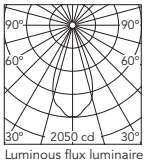
Non Dimmable

- ■ 09.4518.30A
- ■ 09.4518.14A

Dali Version

- ■ 09.4518.30ADA
- ■ 09.4518.14ADA

43° FLOOD



Luminous flux luminaire 932 lm

Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	2050	0.79
2	512	1.58
3	228	2.37
4	128	3.16
5	82	3.95

3000K - CRI 90

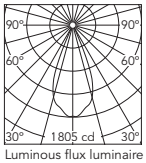
Non Dimmable

- □ 09.4515.30A
- ■ 09.4515.14A

Dali Version

- ■ 09.4515.30ADA
- ■ 09.4515.14ADA

43° FLOOD



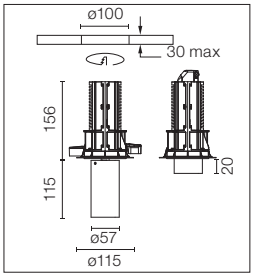
Luminous flux luminaire 820 lm

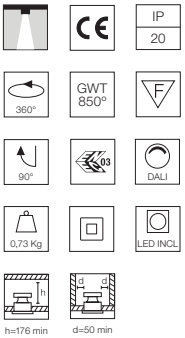
Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

Ut Downlight No Trim Ø57

Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 80

Non Dimmable

09.4519.30A

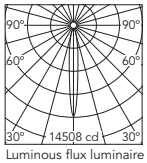
09.4519.14A

Dali Version

09.4519.30ADA

09.4519.14ADA

11° SPOT



Luminous flux luminaire 1295 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	14508	0.19
2	3627	0.39
3	1612	0.58
4	907	0.77
5	580	0.97

4000K - CRI 90

Non Dimmable

09.4525.30A

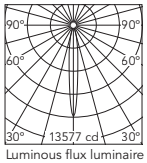
09.4525.14A

Dali Version

09.4525.30ADA

09.4525.14ADA

11° SPOT



Luminous flux luminaire 1212 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	13577	0.19
2	3394	0.39
3	1509	0.58
4	849	0.77
5	543	0.97

3000K - CRI 90

Non Dimmable

09.4522.30A

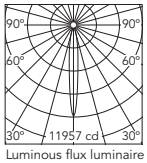
09.4522.14A

Dali Version

09.4522.30ADA

09.4522.14ADA

11° SPOT



Luminous flux luminaire 1067 lm

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11957	0.19
2	2989	0.39
3	1329	0.58
4	747	0.77
5	478	0.97

3000K - CRI 80

Non Dimmable

09.4520.30A

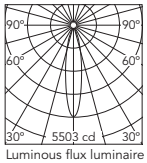
09.4520.14A

Dali Version

09.4520.30ADA

09.4520.14ADA

21° MEDIUM



Luminous flux luminaire 981 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5503	0.36
2	1376	0.72
3	611	1.09
4	344	1.45
5	220	1.81

4000K - CRI 90

Non Dimmable

09.4526.30A

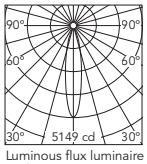
09.4526.14A

Dali Version

09.4526.30ADA

09.4526.14ADA

21° MEDIUM



Luminous flux luminaire 918 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5149	0.36
2	1287	0.72
3	572	1.09
4	322	1.45
5	206	1.81

3000K - CRI 90

Non Dimmable

09.4523.30A

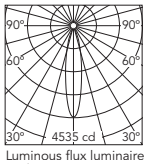
09.4523.14A

Dali Version

09.4523.30ADA

09.4523.14ADA

21° MEDIUM



Luminous flux luminaire 808 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4535	0.36
2	1134	0.72
3	504	1.09
4	283	1.45
5	181	1.81

3000K - CRI 80

Non Dimmable

09.4521.30A

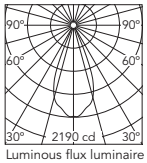
09.4521.14A

Dali Version

09.4521.30ADA

09.4521.14ADA

43° FLOOD



Luminous flux luminaire 995 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2190	0.79
2	548	1.58
3	243	2.37
4	137	3.16
5	88	3.95

4000K - CRI 90

Non Dimmable

09.4527.30A

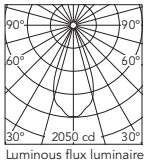
09.4527.14A

Dali Version

09.4527.30ADA

09.4527.14ADA

43° FLOOD



Luminous flux luminaire 932 lm

Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2050	0.79
2	512	1.58
3	228	2.37
4	128	3.16
5	82	3.95

3000K - CRI 90

Non Dimmable

09.4524.30A

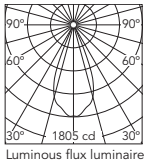
09.4524.14A

Dali Version

09.4524.30ADA

09.4524.14ADA

43° FLOOD



Luminous flux luminaire 820 lm

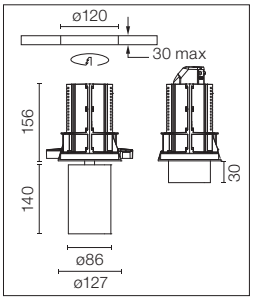
Beam Angle: 43°

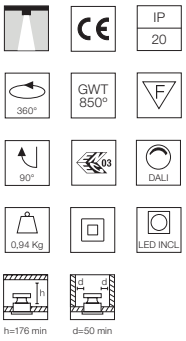
h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

Ut Downlight Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

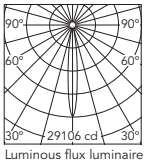
Non Dimmable

09.4910.30A
09.4910.14A

Dali Version

09.4910.30BDA
09.4910.14BDA

12° SPOT



Luminous flux luminaire 2259 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29106	0.21
2	7277	0.41
3	3234	0.62
4	1819	0.82
5	1164	1.03

4000K - CRI 90

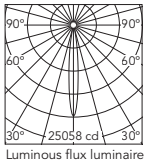
Non Dimmable

09.4916.30A
09.4916.14A

Dali Version

09.4916.30BDA
09.4916.14BDA

12° SPOT



Luminous flux luminaire 1945 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	25058	0.21
2	6265	0.41
3	2784	0.62
4	1566	0.82
5	1002	1.03

3000K - CRI 90

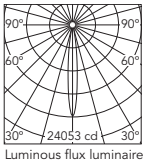
Non Dimmable

09.4913.30A
09.4913.14A

Dali Version

09.4913.30BDA
09.4913.14BDA

12° SPOT



Luminous flux luminaire 1867 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	24053	0.21
2	6013	0.41
3	2673	0.62
4	1503	0.82
5	962	1.03

3000K - CRI 80

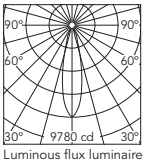
Non Dimmable

09.4911.30A
09.4911.14A

Dali Version

09.4911.30BDA
09.4911.14BDA

24° MEDIUM



Luminous flux luminaire 2155 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9780	0.43
2	2445	0.86
3	1087	1.28
4	611	1.71
5	391	2.14

4000K - CRI 90

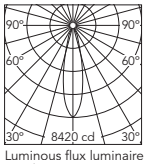
Non Dimmable

09.4917.30A
09.4917.14A

Dali Version

09.4917.30BDA
09.4917.14BDA

24° MEDIUM



Luminous flux luminaire 1855 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8420	0.43
2	2105	0.86
3	936	1.28
4	526	1.71
5	337	2.14

3000K - CRI 90

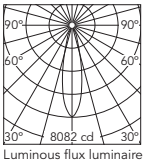
Non Dimmable

09.4914.30A
09.4914.14A

Dali Version

09.4914.30BDA
09.4914.14BDA

24° MEDIUM



Luminous flux luminaire 1781 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8082	0.43
2	2020	0.86
3	898	1.28
4	505	1.71
5	323	2.14

3000K - CRI 80

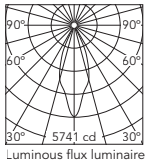
Non Dimmable

09.4912.30A
09.4912.14A

Dali Version

09.4912.30BDA
09.4912.14BDA

37° FLOOD



Luminous flux luminaire 2053 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5741	0.67
2	1435	1.34
3	638	2.01
4	359	2.69
5	230	3.36

4000K - CRI 90

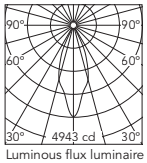
Non Dimmable

09.4918.30A
09.4918.14A

Dali Version

09.4918.30BDA
09.4918.14BDA

37° FLOOD



Luminous flux luminaire 1768 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4943	0.67
2	1236	1.34
3	549	2.01
4	309	2.69
5	198	3.36

3000K - CRI 90

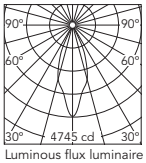
Non Dimmable

09.4915.30A
09.4915.14A

Dali Version

09.4915.30BDA
09.4915.14BDA

37° FLOOD



Luminous flux luminaire 1697 lm

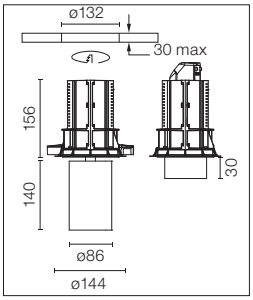
Beam Angle: 37°

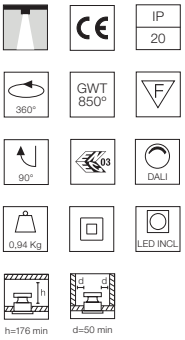
h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

Ut Downlight No Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90







Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

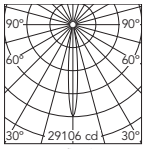
Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 80

Non Dimmable
- 09.4919.30A
- 09.4919.14A

Dali Version
- 09.4919.30BDA
- 09.4919.14BDA

12° SPOT



Luminous flux luminaire 2259 lm

Beam Angle: 12°

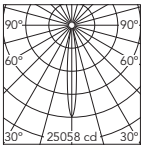
h(m)	E(lx)	D(m)
1	29106	0.21
2	7277	0.41
3	3234	0.62
4	1819	0.82
5	1164	1.03

4000K - CRI 90

Non Dimmable
- 09.4925.30A
- 09.4925.14A

Dali Version
- 09.4925.30BDA
- 09.4925.14BDA

12° SPOT



Luminous flux luminaire 1945 lm

Beam Angle: 12°

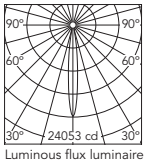
h(m)	E(lx)	D(m)
1	25058	0.21
2	6265	0.41
3	2784	0.62
4	1566	0.82
5	1002	1.03

3000K - CRI 90

Non Dimmable
- 09.4922.30A
- 09.4922.14A

Dali Version
- 09.4922.30BDA
- 09.4922.14BDA

12° SPOT



Luminous flux luminaire 1867 lm

Beam Angle: 12°

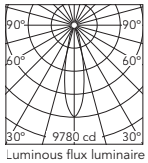
h(m)	E(lx)	D(m)
1	24053	0.21
2	6013	0.41
3	2673	0.62
4	1503	0.82
5	962	1.03

3000K - CRI 80

Non Dimmable
- 09.4920.30A
- 09.4920.14A

Dali Version
- 09.4920.30BDA
- 09.4920.14BDA

24° MEDIUM



Luminous flux luminaire 2155 lm

Beam Angle: 24°

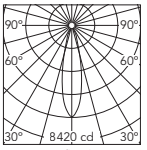
h(m)	E(lx)	D(m)
1	9780	0.43
2	2445	0.86
3	1087	1.28
4	611	1.71
5	391	2.14

4000K - CRI 90

Non Dimmable
- 09.4926.30A
- 09.4926.14A

Dali Version
- 09.4926.30BDA
- 09.4926.14BDA

24° MEDIUM



Luminous flux luminaire 1855 lm

Beam Angle: 24°

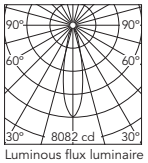
h(m)	E(lx)	D(m)
1	8420	0.43
2	2105	0.86
3	936	1.28
4	526	1.71
5	337	2.14

3000K - CRI 90

Non Dimmable
- 09.4923.30A
- 09.4923.14A

Dali Version
- 09.4923.30BDA
- 09.4923.14BDA

24° MEDIUM



Luminous flux luminaire 1781 lm

Beam Angle: 24°

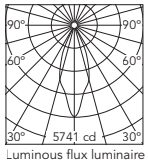
h(m)	E(lx)	D(m)
1	8082	0.43
2	2020	0.86
3	898	1.28
4	505	1.71
5	323	2.14

3000K - CRI 80

Non Dimmable
- 09.4921.30A
- 09.4921.14A

Dali Version
- 09.4921.30BDA
- 09.4921.14BDA

37° FLOOD



Luminous flux luminaire 2053 lm

Beam Angle: 37°

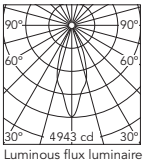
h(m)	E(lx)	D(m)
1	5741	0.67
2	1435	1.34
3	638	2.01
4	359	2.69
5	230	3.36

4000K - CRI 90

Non Dimmable
- 09.4927.30A
- 09.4927.14A

Dali Version
- 09.4927.30BDA
- 09.4927.14BDA

37° FLOOD



Luminous flux luminaire 1768 lm

Beam Angle: 37°

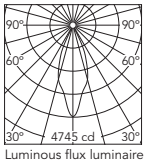
h(m)	E(lx)	D(m)
1	4943	0.67
2	1236	1.34
3	549	2.01
4	309	2.69
5	198	3.36

3000K - CRI 90

Non Dimmable
- 09.4924.30A
- 09.4924.14A

Dali Version
- 09.4924.30BDA
- 09.4924.14BDA

37° FLOOD



Luminous flux luminaire 1697 lm

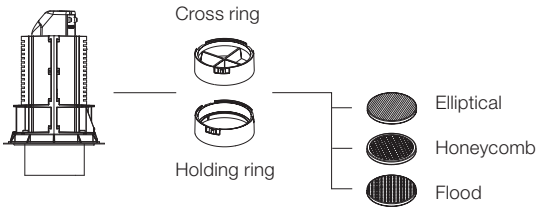
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.
UT Downlight Ø86: Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.
UT Downlight Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.



UT Downlight Ø57

Installation frame No Trim. Marco de instalación No Trim.		08.8994.30 08.8994.14
Screening crosspiece Cruceta de apantallamiento		08.8429.00
Elliptical lens Lente elíptica		08.8431.00
Flood lens Lente flood For Spot & Medium optics		08.8432.00
Honeycomb Honeycomb		08.8428.00
Snoot shielding cone Cono apantallador	29 	08.0526.00 08.0526.40 08.0526.BW

UT Downlight Ø86

Installation frame No Trim. Marco de instalación No Trim.		08.8995.30 08.8995.14
Holding ring Aro soporte		08.8410.00
Screening crosspiece Cruceta de apantallamiento		08.8411.00
Elliptical lens Lente elíptica		08.8163.68
Flood lens Lente flood For Spot & Medium optics		08.8175.68
Honeycomb Honeycomb		08.8495.14

LIGHT SUPPLY

DESIGNED BY FLOS ARCHITECTURAL

FIXED
TRIM / NO TRIM





LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
29W
3572 lm
3000K/CRI 80
2910 lm
3000K/CRI 90
3164 lm
4000K/CRI 90

ADJUSTABLE
TRIM / NO TRIM





LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
30,1W
3772 lm
3000K/CRI 80
2910 lm
3000K/CRI 90
3153 lm
4000K/CRI 90

WALL-WASHER
TRIM / NO TRIM





LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33,2W
3959 lm
3000K/CRI 80
3225 lm
3000K/CRI 90
3506 lm
4000K/CRI 90

Light Supply Adjustable

☐ 40 White
40 Blanco



■ 14 Black
14 Negro



Light Supply Fixed & Wall-Washer Trim

External Ring / Anillo Exterior

☐ White
Blanco

■ Black
Negro

Reflector / Reflector

Aluminium
Aluminio

☐ White
Blanco

Aluminium
Aluminio

☐ White
Blanco



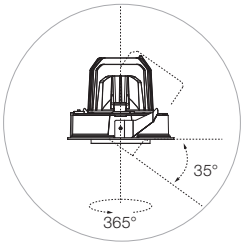






Can be rotated 365° and swivelled 35°.
Puede ser rotado 365° y orientado 35°.

Light Supply Adjustable



Description
New downlight family developed to get a maximum flux in a compact design. 165mm diameter offering up to 3000 lm thanks to latest technology LED modules.
Available in fixed, adjustable and wall-washer version.
Adjustable version features a dismountable optic support cylinder, to be easily unscrewed from the luminaire, in order to completely access the electronic and to install the professional accessories available.
To offer maximum flexibility and installation evolution in time, reflector of spot, medium and flood optic are also available as accessories, to change the light beam dimension without even needing to dismount the fixture from the ceiling.
All Light Supply No Trim versions can be mounted in a standard pre-installation metal frame or, for total integration in plasterboard ceiling, in a Soft Technology installation plate.

Reflectors
All super pure aluminum with specular finish. Circular roto symmetrical spot, medium and flood for the adjustable version, flood for the fixed version.

Power Supply
Cabling included, ready to be powered by included remote driver.
Versions without driver and 1-10V dimmable available on request.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Accessories
For adjustable version:
- Elliptical distribution lens.
- Honeycomb.
- Spare part of spot, medium, flood optics reflectors.
For all No Trim versions:
- Pre-installation frame or Soft Architecture installation plate for adjustable version.

Additional Information
In the adjustable versions, 35° tilt and 365° rotation.
IP23, IP44 protection grade depending on the versions.
Insulation class II.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Nueva familia de empotrables desarrollada para conseguir un flujo máximo de 3000 lm dentro de un diseño compacto de 165mm de diámetro gracias a la última tecnología de módulos LED.
Disponible en versiones fija, ajustable y wall-washer.
La versión ajustable cuenta con una óptica cilíndrica intercambiable para facilitar el acceso a la electrónica e intercambiar los accesorios disponibles.
Para ofrecer la máxima flexibilidad y mejorar la instalación, hay disponibles reflectores con ópticas cerradas, intermedias y abiertas. Intercambio de accesorios sin necesidad de desmontar el producto del techo.
Todas las versiones No Trim pueden ser montadas en marco de pre-instalación o integradas en techo de cartón yeso mediante la tecnología Soft.

Reflectores
Realizados con aluminio en acabado especular. Para la versión ajustable haz de luz cerrado, medio y amplio; para la versión fija aperturas amplias.

Unidades de Alimentación
Cableado incluido, diponible para conectar a equipo remoto. Versiones sin equipo y regulable 1-10V disponibles bajo pedido.

Fuente de luz
Posibilidad de integrar otro tipo de LED bajo demanda. Para más información, no dude en contactar con nuestro equipo.

Accesorios
Para la versión ajustable:
- Lente de distribución elíptica.
- Honeycomb.
- Recambio de reflectores con aperturas cerrada, media y abierta.
Para todas las versiones No Trim:
- Marco de pre-instalación o placa de instalación Soft Architecture para la versión ajustable.

Información Adicional
En las versiones ajustables, basculación de 35° y rotación de 365°.
Índice de protección IP23, IP44 según las versiones.
Clase de aislamiento II.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Fixed / Adjustable / Wall-Washer Trim

Fixed No Trim

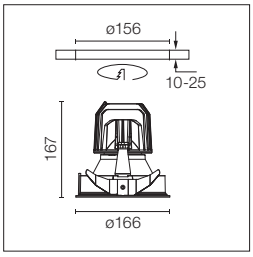
Adjustable No Trim

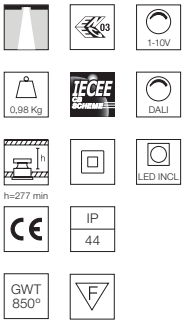
Wall-Washer No Trim

Light Supply Fixed Trim

Light Source: LED Array High Performances 29W - 3572 lm - 3000K/CRI 80 / 29W - 2910 lm - 3000K/CRI 90 / 29W - 3164 lm - 4000K/CRI 90







Recessed luminaire with LED light source. Remote 220/240V power supply included.

E= External Finish
I= Internal Finish.

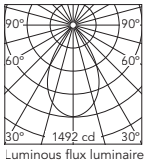
Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= Acabado Externo
I= Acabado Interno.

3000K - CRI 90

E I Non Dimmable
03.6811.3BA
03.6811.3CA
E I Dali
03.6811.3BBDA
03.6811.3CADA
E I 1-10V
03.6811.3BA1V

62°



Luminous flux luminaire
1487 lm (EXTREME CUT OFF)

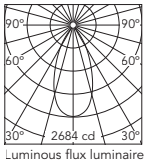
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1492	1.19
2	373	2.39
3	166	3.58
4	93	4.77
5	60	5.97

E I Non Dimmable
03.6811.1BA
03.6811.1CA
E I Dali
03.6811.1BBDA
03.6811.1CADA
E I 1-10V
03.6811.1BA1V

47°



Luminous flux luminaire
1755 lm (EXTREME CUT OFF)

@Aluminium Reflector

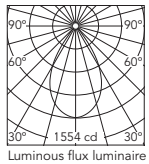
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2684	0.86
2	671	1.73
3	298	2.59
4	168	3.46
5	107	4.32

4000K - CRI 90

E I Non Dimmable
03.6810.3BA
03.6810.3CA
E I Dali
03.6810.3BBDA
03.6810.3CADA
E I 1-10V
03.6810.3BA1V

62°



Luminous flux luminaire
1549 lm (EXTREME CUT OFF)

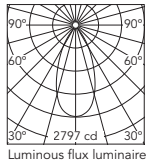
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1554	1.19
2	389	2.39
3	173	3.58
4	97	4.77
5	62	5.97

E I Non Dimmable
03.6810.1BA
03.6810.1CA
E I Dali
03.6810.1BBDA
03.6810.1CADA
E I 1-10V
03.6810.1BA1V

47°



Luminous flux luminaire
1828 lm (EXTREME CUT OFF)

@Aluminium Reflector

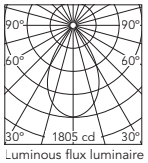
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	2797	0.86
2	699	1.73
3	311	2.59
4	175	3.46
5	112	4.32

3000K - CRI 80

E I Non Dimmable
03.6809.3BA
03.6809.3CA
E I Dali
03.6809.3BBDA
03.6809.3CADA
E I 1-10V
03.6809.3BA1V

62°



Luminous flux luminaire
1799 lm (EXTREME CUT OFF)

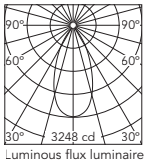
@White Reflector

Beam Angle: 62°

h(m)	E(lx)	D(m)
1	1805	1.19
2	451	2.39
3	201	3.58
4	113	4.77
5	72	5.97

E I Non Dimmable
03.6809.1BA
03.6809.1CA
E I Dali
03.6809.1BBDA
03.6809.1CADA
E I 1-10V
03.6809.1BA1V

47°



Luminous flux luminaire
2123 lm (EXTREME CUT OFF)

@Aluminium Reflector

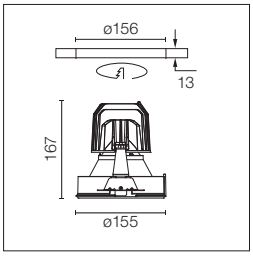
Beam Angle: 47°

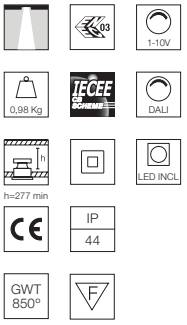
h(m)	E(lx)	D(m)
1	3248	0.86
2	812	1.73
3	361	2.59
4	203	3.46
5	130	4.32

Light Supply Fixed No Trim

Light Source: LED Array High Performances 29W - 3572 lm - 3000K/CRI 80 / 29W - 2910 lm - 3000K/CRI 90 / 29W - 3164 lm - 4000K/CRI 90







Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 90

Non Dimmable

- ☐ 03.6826.40A
- ◪ 03.6826.06A

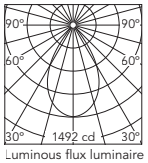
Dali

- ☐ 03.6826.40BDA
- ◪ 03.6826.06ADA

1-10V

- ☐ 03.6826.40A1V

62°

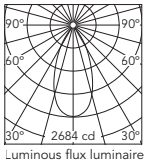


Luminous flux luminaire
1487 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	1492	1.19
2	373	2.39
3	166	3.58
4	93	4.77
5	60	5.97

47°



Luminous flux luminaire
1755 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	47°	
h(m)	E(lx)	D(m)
1	2684	0.86
2	671	1.73
3	298	2.59
4	168	3.46
5	107	4.32

4000K - CRI 90

Non Dimmable

- ☐ 03.6825.40A
- ◪ 03.6825.06A

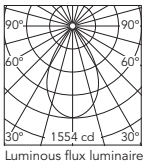
Dali

- ☐ 03.6825.40BDA
- ◪ 03.6825.06ADA

1-10V

- ☐ 03.6825.40A1V

62°

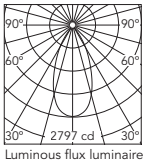


Luminous flux luminaire
1549 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	1554	1.19
2	389	2.39
3	173	3.58
4	97	4.77
5	62	5.97

47°



Luminous flux luminaire
1828 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	47°	
h(m)	E(lx)	D(m)
1	2797	0.86
2	699	1.73
3	311	2.59
4	175	3.46
5	112	4.32

3000K - CRI 80

Non Dimmable

- ☐ 03.6824.40A
- ◪ 03.6824.06A

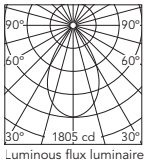
Dali

- ☐ 03.6824.40BDA
- ◪ 03.6824.06ADA

1-10V

- ☐ 03.6824.40A1V

62°

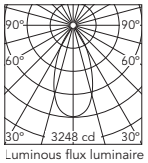


Luminous flux luminaire
1799 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	62°	
h(m)	E(lx)	D(m)
1	1805	1.19
2	451	2.39
3	201	3.58
4	113	4.77
5	72	5.97

47°



Luminous flux luminaire
2123 lm (EXTREME CUT OFF)

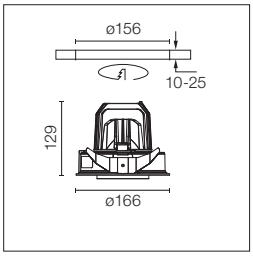
@Aluminium Reflector

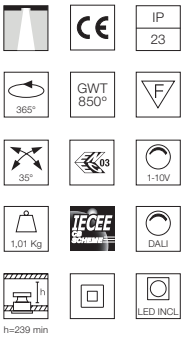
Beam Angle:	47°	
h(m)	E(lx)	D(m)
1	3248	0.86
2	812	1.73
3	361	2.59
4	203	3.46
5	130	4.32

Light Supply Adjustable Trim

Light Source: LED Array High Performances 30,1W - 3772 lm - 3000K CRI 80







Recessed luminaire with LED light source. Remote 220/240V power supply included.

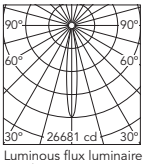
Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

3000K - CRI 80
Non Dimmable
- ☐ 03.6800.40A
- ■ 03.6800.14A

Dali
- ☐ 03.6800.40BDA
- ■ 03.6800.14BDA

1-10V
- ☐ 03.6800.40A1V
- ■ 03.6800.14A1V

13°
SPOT



Luminous flux luminaire
2208 lm (EXTREME CUT OFF)

Beam Angle: 13°

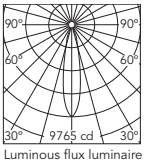
h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80
Non Dimmable
- ☐ 03.6801.40A
- ■ 03.6801.14A

Dali
- ☐ 03.6801.40BDA
- ■ 03.6801.14BDA

1-10V
- ☐ 03.6801.40A1V
- ■ 03.6801.14A1V

21°
MEDIUM



Luminous flux luminaire
1777 lm (EXTREME CUT OFF)

Beam Angle: 21°

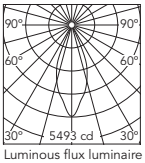
h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80
Non Dimmable
- ☐ 03.6802.40A
- ■ 03.6802.14A

Dali
- ☐ 03.6802.40BDA
- ■ 03.6802.14BDA

1-10V
- ☐ 03.6802.40A1V
- ■ 03.6802.14A1V

39°
FLOOD



Luminous flux luminaire
1960 lm (EXTREME CUT OFF)

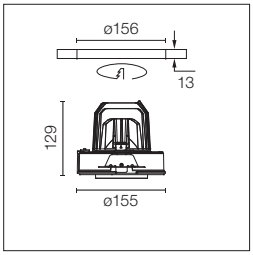
Beam Angle: 39°

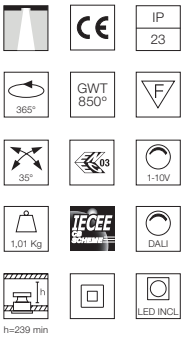
h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

Light Supply Adjustable No Trim

Light Source: LED Array High Performances 30,1W - 3772 lm - 3000K CRI 80







Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

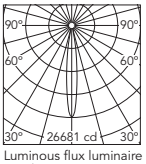
Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 80
Non Dimmable
- ☐ 03.6815.40A
- ■ 03.6815.14A

Dali
- ☐ 03.6815.40BDA
- ■ 03.6815.14BDA

1-10V
- ☐ 03.6815.40A1V
- ■ 03.6815.14A1V

13°
SPOT



Luminous flux luminaire
2208 lm (EXTREME CUT OFF)

Beam Angle: 13°

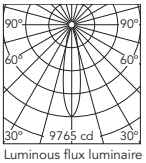
h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80
Non Dimmable
- ☐ 03.6816.40A
- ■ 03.6816.14A

Dali
- ☐ 03.6816.40BDA
- ■ 03.6816.14BDA

1-10V
- ☐ 03.6816.40A1V
- ■ 03.6816.14A1V

21°
MEDIUM



Luminous flux luminaire
1777 lm (EXTREME CUT OFF)

Beam Angle: 21°

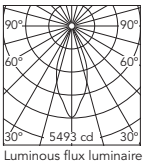
h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80
Non Dimmable
- ☐ 03.6817.40A
- ■ 03.6817.14A

Dali
- ☐ 03.6817.40BDA
- ■ 03.6817.14BDA

1-10V
- ☐ 03.6817.40A1V
- ■ 03.6817.14A1V

39°
FLOOD



Luminous flux luminaire
1960 lm (EXTREME CUT OFF)

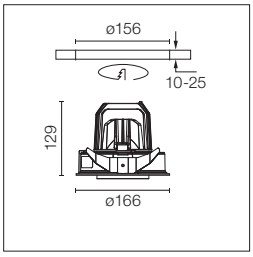
Beam Angle: 39°

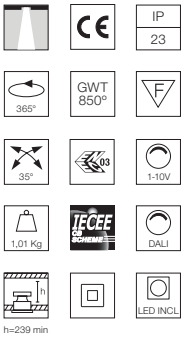
h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

Light Supply Adjustable Trim

Light Source: LED Array High Performances 30,1W - 2910 lm - 3000K/CRI 90 / 30,1W - 3153 lm - 4000K/CRI 90







Recessed luminaire with LED light source. Remote 220/240V power supply included.

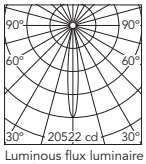
Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

3000K - CRI 90
Non Dimmable
- ☐ 03.6806.40A
- ■ 03.6806.14A

Dali
- ☐ 03.6806.40BDA
- ■ 03.6806.14BDA

1-10V
- ☐ 03.6806.40A1V
- ■ 03.6806.14A1V

13° SPOT



Luminous flux luminaire
1698 lm [EXTREME CUT OFF]

Beam Angle: 13°

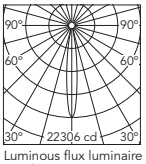
h(m)	E(lx)	D(m)
1	20522	0.23
2	5131	0.46
3	2280	0.69
4	1283	0.92
5	821	1.15

4000K - CRI 90
Non Dimmable
- ☐ 03.6803.40A
- ■ 03.6803.14A

Dali
- ☐ 03.6803.40BDA
- ■ 03.6803.14BDA

1-10V
- ☐ 03.6803.40A1V
- ■ 03.6803.14A1V

13° SPOT



Luminous flux luminaire
1846 lm [EXTREME CUT OFF]

Beam Angle: 13°

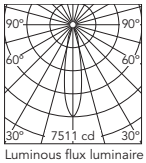
h(m)	E(lx)	D(m)
1	22306	0.23
2	5576	0.46
3	2478	0.69
4	1394	0.92
5	892	1.15

3000K - CRI 90
Non Dimmable
- ☐ 03.6807.40A
- ■ 03.6807.14A

Dali
- ☐ 03.6807.40BDA
- ■ 03.6807.14BDA

1-10V
- ☐ 03.6807.40A1V
- ■ 03.6807.14A1V

21° MEDIUM



Luminous flux luminaire
1367 lm [EXTREME CUT OFF]

Beam Angle: 21°

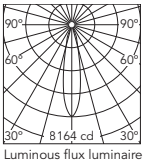
h(m)	E(lx)	D(m)
1	7511	0.37
2	1878	0.75
3	835	1.12
4	469	1.49
5	300	1.87

4000K - CRI 90
Non Dimmable
- ☐ 03.6804.40A
- ■ 03.6804.14A

Dali
- ☐ 03.6804.40BDA
- ■ 03.6804.14BDA

1-10V
- ☐ 03.6804.40A1V
- ■ 03.6804.14A1V

21° MEDIUM



Luminous flux luminaire
1486 lm [EXTREME CUT OFF]

Beam Angle: 21°

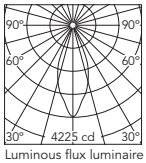
h(m)	E(lx)	D(m)
1	8164	0.37
2	2041	0.75
3	907	1.12
4	510	1.49
5	327	1.87

3000K - CRI 90
Non Dimmable
- ☐ 03.6808.40A
- ■ 03.6808.14A

Dali
- ☐ 03.6808.40BDA
- ■ 03.6808.14BDA

1-10V
- ☐ 03.6808.40A1V
- ■ 03.6808.14A1V

39° FLOOD



Luminous flux luminaire
1508 lm [EXTREME CUT OFF]

Beam Angle: 39°

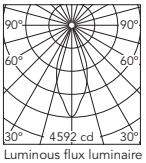
h(m)	E(lx)	D(m)
1	4225	0.71
2	1056	1.42
3	469	2.14
4	264	2.85
5	169	3.56

4000K - CRI 90
Non Dimmable
- ☐ 03.6805.40A
- ■ 03.6805.14A

Dali
- ☐ 03.6805.40BDA
- ■ 03.6805.14BDA

1-10V
- ☐ 03.6805.40A1V
- ■ 03.6805.14A1V

39° FLOOD



Luminous flux luminaire
1639 lm [EXTREME CUT OFF]

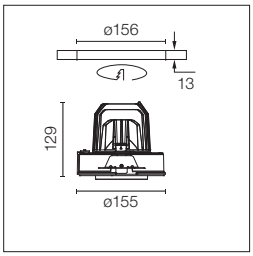
Beam Angle: 39°

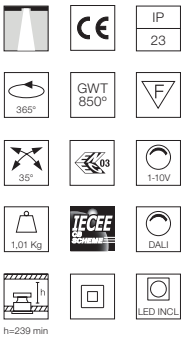
h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

Light Supply Adjustable No Trim

Light Source: LED Array High Performances 30,1W - 2910 lm - 3000K/CRI 90 / 30,1W - 3153 lm - 4000K/CRI 90







Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

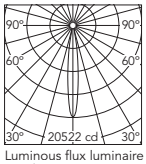
Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 90
Non Dimmable
- ☐ 03.6821.40A
- ■ 03.6821.14A

Dali
- ☐ 03.6821.40BDA
- ■ 03.6821.14BDA

1-10V
- ☐ 03.6821.40A1V
- ■ 03.6821.14A1V

13° SPOT



Luminous flux luminaire
1698 lm (EXTREME CUT OFF)

Beam Angle: 13°

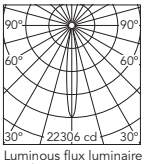
h(m)	E(lx)	D(m)
1	20522	0.23
2	5131	0.46
3	2280	0.69
4	1283	0.92
5	821	1.15

4000K - CRI 90
Non Dimmable
- ☐ 03.6818.40A
- ■ 03.6818.14A

Dali
- ☐ 03.6818.40BDA
- ■ 03.6818.14BDA

1-10V
- ☐ 03.6818.40A1V
- ■ 03.6818.14A1V

13° SPOT



Luminous flux luminaire
1846 lm (EXTREME CUT OFF)

Beam Angle: 13°

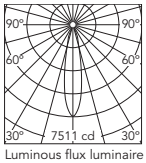
h(m)	E(lx)	D(m)
1	22306	0.23
2	5576	0.46
3	2478	0.69
4	1394	0.92
5	892	1.15

3000K - CRI 90
Non Dimmable
- ☐ 03.6822.40A
- ■ 03.6822.14A

Dali
- ☐ 03.6822.40BDA
- ■ 03.6822.14BDA

1-10V
- ☐ 03.6822.40A1V
- ■ 03.6822.14A1V

21° MEDIUM



Luminous flux luminaire
1367 lm (EXTREME CUT OFF)

Beam Angle: 21°

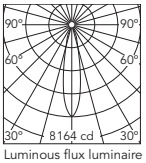
h(m)	E(lx)	D(m)
1	7511	0.37
2	1878	0.75
3	835	1.12
4	469	1.49
5	300	1.87

4000K - CRI 90
Non Dimmable
- ☐ 03.6819.40A
- ■ 03.6819.14A

Dali
- ☐ 03.6819.40BDA
- ■ 03.6819.14BDA

1-10V
- ☐ 03.6819.40A1V
- ■ 03.6819.14A1V

21° MEDIUM



Luminous flux luminaire
1486 lm (EXTREME CUT OFF)

Beam Angle: 21°

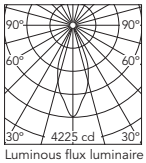
h(m)	E(lx)	D(m)
1	8164	0.37
2	2041	0.75
3	907	1.12
4	510	1.49
5	327	1.87

3000K - CRI 90
Non Dimmable
- ☐ 03.6823.40A
- ■ 03.6823.14A

Dali
- ☐ 03.6823.40BDA
- ■ 03.6823.14BDA

1-10V
- ☐ 03.6823.40A1V
- ■ 03.6823.14A1V

39° FLOOD



Luminous flux luminaire
1508 lm (EXTREME CUT OFF)

Beam Angle: 39°

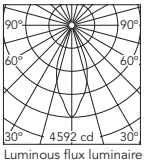
h(m)	E(lx)	D(m)
1	4225	0.71
2	1056	1.42
3	469	2.14
4	264	2.85
5	169	3.56

4000K - CRI 90
Non Dimmable
- ☐ 03.6820.40A
- ■ 03.6820.14A

Dali
- ☐ 03.6820.40BDA
- ■ 03.6820.14BDA

1-10V
- ☐ 03.6820.40A1V
- ■ 03.6820.14A1V

39° FLOOD



Luminous flux luminaire
1639 lm (EXTREME CUT OFF)

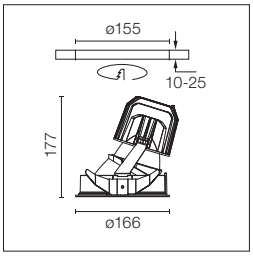
Beam Angle: 39°

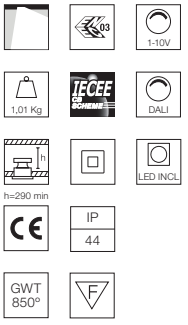
h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

Light Supply Wall-Washer Trim

Light Source: LED Array High Performances 33,2W - 3959 lm - 3000K/CRI 80 / 33,2W - 3225 lm - 3000K/CRI 90 / 33,2W - 3506 lm - 4000K/CRI 90







Recessed luminaire with LED light source. Remote 220/240V power supply included.

E= External Finish
I= Internal Finish.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

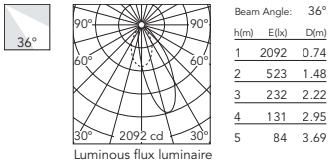
E= Acabado Externo
I= Acabado Interno.

3000K - CRI 90

E I Non Dimmable
- 03.6814.3BA
- 03.6814.3CA

E I Dali
- 03.6814.3BBDA
- 03.6814.3CBDA

E I 1-10V
- 03.6814.3BA1V
- 03.6814.3CA1V



Luminous flux luminaire
1771 lm (EXTREME CUT OFF)

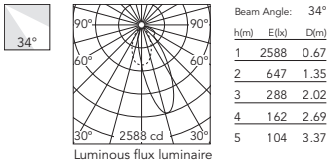
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2092	0.74
2	523	1.48
3	232	2.22
4	131	2.95
5	84	3.69

E I Non Dimmable
- 03.6814.1BA
- 03.6814.1CA

E I Dali
- 03.6814.1BBDA
- 03.6814.1CBDA

E I 1-10V
- 03.6814.1BA1V
- 03.6814.1CA1V



Luminous flux luminaire
1909 lm (EXTREME CUT OFF)

@Aluminium Reflector

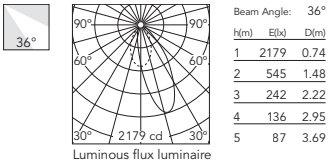
Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2588	0.67
2	647	1.35
3	288	2.02
4	162	2.69
5	104	3.37

4000K - CRI 90

E I Non Dimmable
- 03.6813.3BA
- 03.6813.3CA

E I Dali
- 03.6813.3BBDA
- 03.6813.3CBDA

E I 1-10V
- 03.6813.3BA1V
- 03.6813.3CA1V



Luminous flux luminaire
1845 lm (EXTREME CUT OFF)

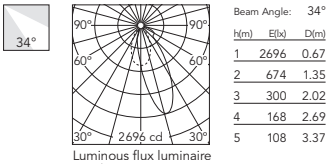
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2179	0.74
2	545	1.48
3	242	2.22
4	136	2.95
5	87	3.69

E I Non Dimmable
- 03.6813.1BA
- 03.6813.1CA

E I Dali
- 03.6813.1BBDA
- 03.6813.1CBDA

E I 1-10V
- 03.6813.1BA1V
- 03.6813.1CA1V



Luminous flux luminaire
1989 lm (EXTREME CUT OFF)

@Aluminium Reflector

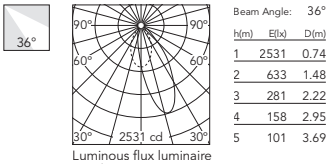
Beam Angle:	34°
h(m)	E(lx)	D(m)
1	2696	0.67
2	674	1.35
3	300	2.02
4	168	2.69
5	108	3.37

3000K - CRI 80

E I Non Dimmable
- 03.6812.3BA
- 03.6812.3CA

E I Dali
- 03.6812.3BBDA
- 03.6812.3CBDA

E I 1-10V
- 03.6812.3BA1V
- 03.6812.3CA1V



Luminous flux luminaire
2142 lm (EXTREME CUT OFF)

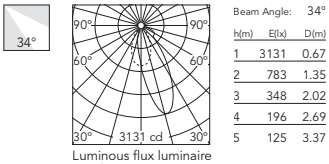
@White Reflector

Beam Angle:	36°
h(m)	E(lx)	D(m)
1	2531	0.74
2	633	1.48
3	281	2.22
4	158	2.95
5	101	3.69

E I Non Dimmable
- 03.6812.1BA
- 03.6812.1CA

E I Dali
- 03.6812.1BBDA
- 03.6812.1CBDA

E I 1-10V
- 03.6812.1BA1V
- 03.6812.1CA1V



Luminous flux luminaire
2310 lm (EXTREME CUT OFF)

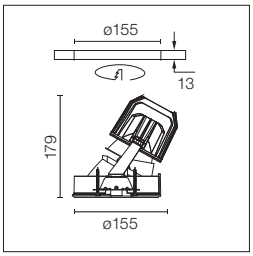
@Aluminium Reflector

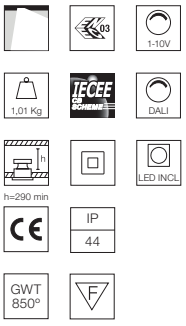
Beam Angle:	34°
h(m)	E(lx)	D(m)
1	3131	0.67
2	783	1.35
3	348	2.02
4	196	2.69
5	125	3.37

Light Supply Wall-Washer No Trim

Light Source: LED Array High Performances 33,2W - 3959 lm - 3000K/CRI 80 / 33,2W - 3225 lm - 3000K/CRI 90 / 33,2W - 3506 lm - 4000K/CRI 90







Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 90

Non Dimmable

- 03.6829.40A
- 03.6829.06A

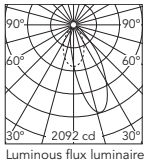
Dali

- 03.6829.40BDA
- 03.6829.06BDA

1-10V

- 03.6829.40A1V
- 03.6829.06A1V

36°

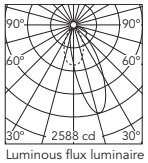


Luminous flux luminaire
1771 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m) E(lx)	D(m)
1 2092	0.74
2 523	1.48
3 232	2.22
4 131	2.95
5 84	3.69

34°



Luminous flux luminaire
1909 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m) E(lx)	D(m)
1 2588	0.67
2 647	1.35
3 288	2.02
4 162	2.69
5 104	3.37

4000K - CRI 90

Non Dimmable

- 03.6828.40A
- 03.6828.06A

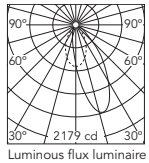
Dali

- 03.6828.40BDA
- 03.6828.06BDA

1-10V

- 03.6828.40A1V
- 03.6828.06A1V

36°

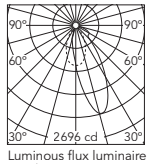


Luminous flux luminaire
1845 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m) E(lx)	D(m)
1 2179	0.74
2 545	1.48
3 242	2.22
4 136	2.95
5 87	3.69

34°



Luminous flux luminaire
1989 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m) E(lx)	D(m)
1 2696	0.67
2 674	1.35
3 300	2.02
4 168	2.69
5 108	3.37

3000K - CRI 80

Non Dimmable

- 03.6827.40A
- 03.6827.06A

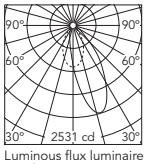
Dali

- 03.6827.40BDA
- 03.6827.06BDA

1-10V

- 03.6827.40A1V
- 03.6827.06A1V

36°

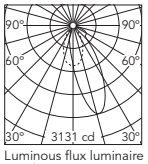


Luminous flux luminaire
2142 lm (EXTREME CUT OFF)

@White Reflector

Beam Angle:	36°
h(m) E(lx)	D(m)
1 2531	0.74
2 633	1.48
3 281	2.22
4 158	2.95
5 101	3.69

34°



Luminous flux luminaire
2310 lm (EXTREME CUT OFF)

@Aluminium Reflector

Beam Angle:	34°
h(m) E(lx)	D(m)
1 3131	0.67
2 783	1.35
3 348	2.02
4 196	2.69
5 125	3.37

Accessories / Accesorios

Pre-installation frame.

Marco de pre-instalación.



Adjustable No Trim
08.8119.00



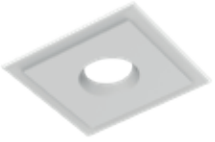
Fixed No Trim
08.8359.00

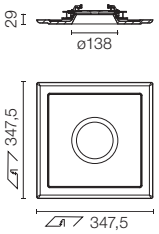


Wall-Washer No Trim
08.8137.00

Soft Architecture installation plate for integration in plasterboard.

Placa Soft Architecture para pre-instalación en superficies de cartón yeso.





Adjustable No Trim
SA.6600.1

Accessories / Accesorios

For LED Array

Light Supply Adjustable spare reflector.	Reflector intercambiable para Light Supply Adjustable.		Spot 08.8450.00 Medium 08.8451.00 Flood 08.8452.00
Screening crosspiece.	Cruceta de apantallamiento.		08.8242.14
Elliptical lens.	Lente elíptica.		08.8118.68
Honeycomb.	Honeycomb.		Big Cells/Celdas Grandes 08.8377.14
Highly-efficient cylinder.	Cilindro de alta eficiencia.		08.8453.40 08.8453.14

WAN DOWNLIGHT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80



LIGHT SOURCE
LED
QT-14
G9

30 White
30 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

GN Green
GN Verde









Description
Ceiling recessed luminary providing direct light. Aluminum ring, available in chrome, shiny white, enameled green, and shiny black finishes. Low glare shield.
Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors
Sanded and chemically bleached aluminum reflector.

Power Supply
Pre-wiring included; ready for remote power supply.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Additional Information
IP44 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de luz directa para ser instalada empotrada a techo. Aro de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante.
Incorpora cono antideslumbramiento.
El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en acabado negro brillante o verde esmaltado.

Reflectores
Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación
Luminaria precableada para ser alimentada mediante equipo remoto.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Información Adicional
Índice de protección IP44.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

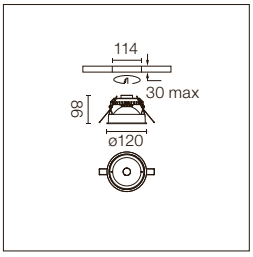
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Wan Downlight

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80







Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

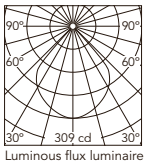
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6154.30A
- 03.6154.05A
- 03.6154.14A
- 03.6154.GNA





Luminous flux luminaire
436 lm

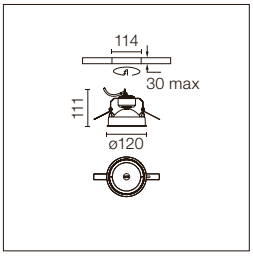
Beam Angle: 83°

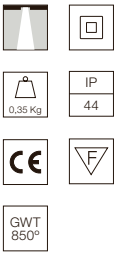
h(m)	E(lx)	D(m)
1	309	1.77
2	77	3.55
3	34	5.32
4	19	7.09
5	12	8.87

Wan Downlight

Light Source: LED QT-14 G9





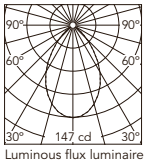


Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

- 03.6150.30
- 03.6150.05
- 03.6150.14
- 03.6150.GN



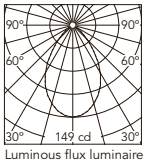


Luminous flux luminaire
460 lm
@Black Ring

Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75





Luminous flux luminaire
460 lm
@Green Ring

Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

JOHNNY

DESIGNED BY FLOS ARCHITECTURAL

JOHNNY 80
TRIM / NO TRIM
1L ROUND
1L/2L SQUARE



LIGHT SOURCE
POWER LED
6,2W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

JOHNNY 80
SEMI-RECESSED
1L/2L SQUARE



LIGHT SOURCE
POWER LED
6,2W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

JOHNNY 120
TRIM / NO TRIM
1L ROUND
1L/2L SQUARE



LIGHT SOURCE
LED ARRAY HIGH PERFORMANCE
20W
2049 lm
2700K/CRI 90
2183 lm
3000K/CRI 90

JOHNNY 120
SEMI-RECESSED
1L/2L SQUARE



LIGHT SOURCE
LED ARRAY
18W
1770 lm
2700K/CRI 90
1870 lm
3000K/CRI 90

Johnny 80
Trim / No Trim



☐ 40 White
40 Blanco

■ 14 Black
14 Negro

Johnny 120
Trim



☐ White
Blanco

■ Black
Negro

Johnny 120
No Trim



■ Black
Negro

Inside / Interior

☐ White
Blanco

■ Black
Negro

Outside / Exterior

☐ 40 White
40 Blanco

CE Concrete
CE Cemento

TK Teak
TK Teca

■ 14 Black
14 Negro

Johnny 80 Semi-Recessed



Johnny 120 Semi-Recessed

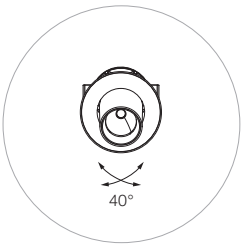


Can be rotated in any direction
Puede ser rotado en cualquier dirección.

Johnny 80



Johnny 120



Description
Illumination system consisting of one or two adjustable lights, in the embedded version (Trim and No Trim) and semi-embedded version to be installed on the ceiling.
Available in two sizes: 80 mm and 120 mm in round and square versions.
An exclusive, easy and adjustable system that enables an accurate adjustment of the light beam.

Power Supply
Remote constant power supply 220/240V not included.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
Johnny 80:
- Screening crosspiece and honeycomb included in the product

Johnny 120:
- Screening crosspiece
- Honeycomb
- Elliptical lens
- Flood lens

Additional Information
The Johnny 80 version has a orientation system integrated into the telescopic body.
IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Sistema de iluminación de uno o dos focos orientables, en versión empotrada (Trim y No Trim) y semi-empotrada para ser instalado en techo.
Disponible en dos tamaños: 80 mm y 120 mm en versiones redonda y cuadrada.
Sistema de orientación exclusivo de fácil fijación permitiendo la precisa orientación del haz de luz.

Unidades de Alimentación
Fuente de alimentación de corriente constante 220/240V remota no incluida.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Accesorios
Johnny 80:
- Cruceta de apantallamiento y honeycomb incluidos en el producto

Johnny 120:
- Cruceta de apantallamiento
- Honeycomb
- Lente elíptica
- Lente flood

Información Adicional
Sistema de orientación integrado en cuerpo telescópico para la versión Johnny 80.
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

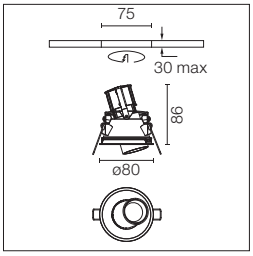
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

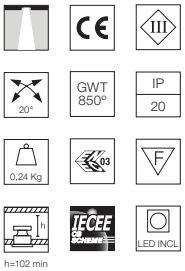
Johnny 80 1L Trim
Johnny 80 1L No Trim
Johnny 80 2L Trim
Johnny 80 2L No Trim
Johnny 80 Semi-Recessed
Johnny 120 Trim
Johnny 120 No Trim
Johnny 120 Semi-Recessed

Johnny Ø80 Trim 1L Round

Light Source: Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included.

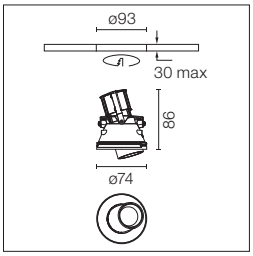
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny Ø80 No Trim 1L Round





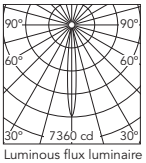
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0701.40A
- 03.0701.14A
- 03.0701.40ANT
- 03.0701.14ANT

11° SPOT



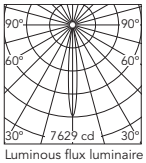
Luminous flux luminaire
385 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0700.40A
- 03.0700.14A
- 03.0700.40ANT
- 03.0700.14ANT

11° SPOT



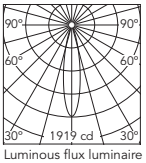
Luminous flux luminaire
399 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0705.40A
- 03.0705.14A
- 03.0705.40ANT
- 03.0705.14ANT

21° MEDIUM



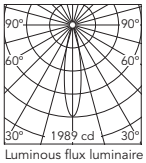
Luminous flux luminaire
359 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0704.40A
- 03.0704.14A
- 03.0704.40ANT
- 03.0704.14ANT

21° MEDIUM



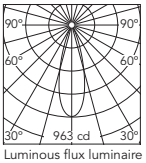
Luminous flux luminaire
373 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0709.40A
- 03.0709.14A
- 03.0709.40ANT
- 03.0709.14ANT

31° FLOOD



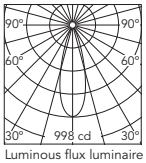
Luminous flux luminaire
300 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0708.40A
- 03.0708.14A
- 03.0708.40ANT
- 03.0708.14ANT

31° FLOOD



Luminous flux luminaire
311 lm (EXTREME CUT OFF)

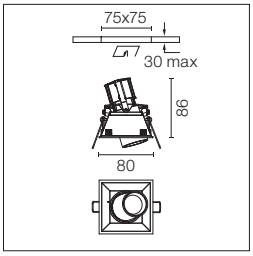
Beam Angle: 31°

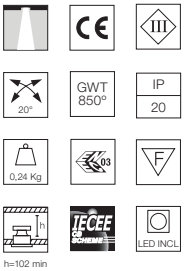
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Trim 1L Square

Light Source: Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included.

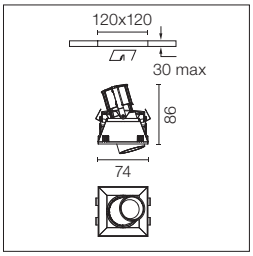
Accessories included (honeycomb and screening crosspiece).

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 1L Square





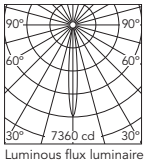
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0703.40A
- 03.0703.14A
- 03.0703.40ANT
- 03.0703.14ANT





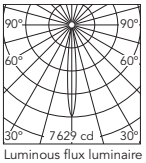
Luminous flux luminaire
385 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0702.40A
- 03.0702.14A
- 03.0702.40ANT
- 03.0702.14ANT





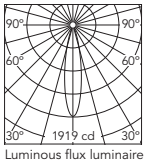
Luminous flux luminaire
399 lm [EXTREME CUT OFF]

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0707.40A
- 03.0707.14A
- 03.0707.40ANT
- 03.0707.14ANT





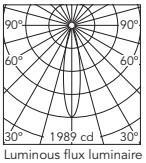
Luminous flux luminaire
359 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0706.40A
- 03.0706.14A
- 03.0706.40ANT
- 03.0706.14ANT





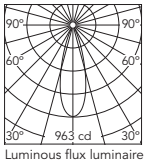
Luminous flux luminaire
373 lm [EXTREME CUT OFF]

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0711.40A
- 03.0711.14A
- 03.0711.40ANT
- 03.0711.14ANT





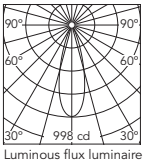
Luminous flux luminaire
300 lm [EXTREME CUT OFF]

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0710.40A
- 03.0710.14A
- 03.0710.40ANT
- 03.0710.14ANT





Luminous flux luminaire
311 lm [EXTREME CUT OFF]

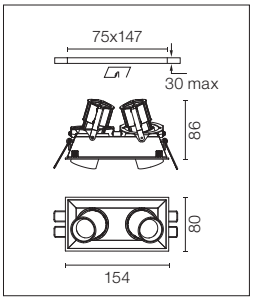
Beam Angle: 31°

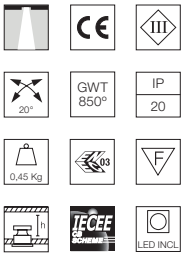
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Trim 2L Square

Light Source: Power LED
Without accessories: 500 mA - 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 2x5,5W - 2x505 lm - 2700K/CRI 90 / 2x5,5W - 2x540 lm - 3000K/CRI 90







Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

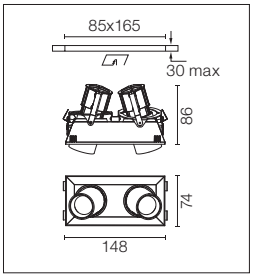
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 2L Square





Pre-installation frame. To be ordered separately.

Marco de pre-instalación Se ha de pedir por separado.

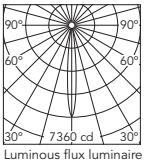
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.0713.40A
- 03.0713.14A
- 03.0713.40ANT
- 03.0713.14ANT





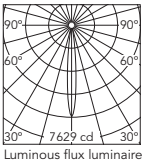
Luminous flux luminaire
385 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

3000K
- 03.0712.40A
- 03.0712.14A
- 03.0712.40ANT
- 03.0712.14ANT





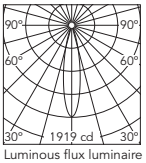
Luminous flux luminaire
399 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

2700K
- 03.0715.40A
- 03.0715.14A
- 03.0715.40ANT
- 03.0715.14ANT





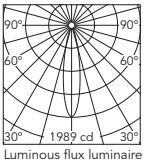
Luminous flux luminaire
359 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

3000K
- 03.0714.40A
- 03.0714.14A
- 03.0714.40ANT
- 03.0714.14ANT





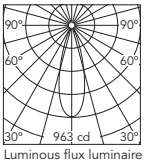
Luminous flux luminaire
373 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

2700K
- 03.0717.40A
- 03.0717.14A
- 03.0717.40ANT
- 03.0717.14ANT





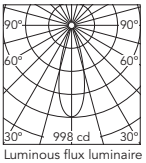
Luminous flux luminaire
300 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

3000K
- 03.0716.40A
- 03.0716.14A
- 03.0716.40ANT
- 03.0716.14ANT





Luminous flux luminaire
311 lm (EXTREME CUT OFF)

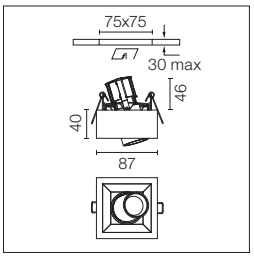
Beam Angle: 31°

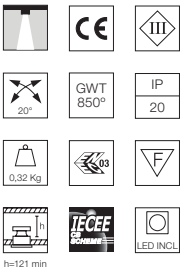
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Semi-Recessed 1L Square

Light Source: Power LED
Without accessories: DC 500 mA - 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 5,5W - 505 lm - 2700K/CRI 90 / 5,5W - 540 lm - 3000K/CRI 90







h=121 min

Semi-recessed luminaire with LED light source. Power supply not included.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= Acabado Externo
I= Acabado Interno



Recommended power supply / Equipos recomendados*:

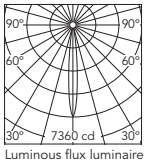
	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

E I **2700K**
03.0761.40A
03.0761.CEA
03.0761.TKA
03.0761.14A

E I
03.0719.40A
03.0719.CEA
03.0719.TKA
03.0719.14A

11° SPOT



Luminous flux luminaire
385 lm [EXTREME CUT OFF]

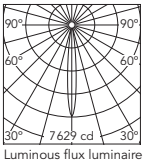
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

E I **3000K**
03.0760.40A
03.0760.CEA
03.0760.TKA
03.0760.14A

E I
03.0718.40A
03.0718.CEA
03.0718.TKA
03.0718.14A

11° SPOT



Luminous flux luminaire
399 lm [EXTREME CUT OFF]

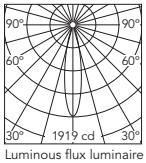
Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

E I **2700K**
03.0763.40A
03.0763.CEA
03.0763.TKA
03.0763.14A

E I
03.0721.40A
03.0721.CEA
03.0721.TKA
03.0721.14A

21° MEDIUM



Luminous flux luminaire
359 lm [EXTREME CUT OFF]

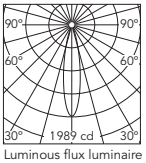
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

E I **3000K**
03.0762.40A
03.0762.CEA
03.0762.TKA
03.0762.14A

E I
03.0720.40A
03.0720.CEA
03.0720.TKA
03.0720.14A

21° MEDIUM



Luminous flux luminaire
373 lm [EXTREME CUT OFF]

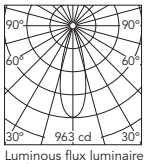
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

E I **2700K**
03.0765.40A
03.0765.CEA
03.0765.TKA
03.0765.14A

E I
03.0723.40A
03.0723.CEA
03.0723.TKA
03.0723.14A

31° FLOOD



Luminous flux luminaire
300 lm [EXTREME CUT OFF]

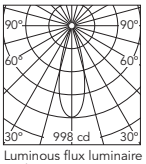
Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

E I **3000K**
03.0764.40A
03.0764.CEA
03.0764.TKA
03.0764.14A

E I
03.0722.40A
03.0722.CEA
03.0722.TKA
03.0722.14A

31° FLOOD



Luminous flux luminaire
311 lm [EXTREME CUT OFF]

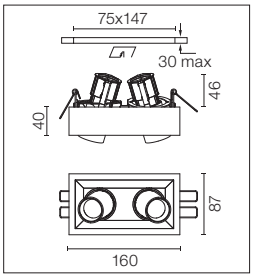
Beam Angle: 31°

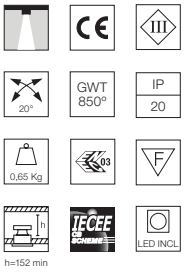
h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Johnny 80 Semi-Recessed 2L Square

Light Source: Power LED
Without accessories: 500 mA - 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90
With accessories: DC 450 mA - 2x5,5W - 2x505 lm - 2700K/CRI 90 / 2x5,5W - 2x540 lm - 3000K/CRI 90







Semi-recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= Acabado Externo
I= Acabado Interno



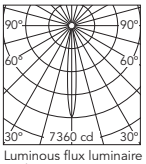
Recommended power supply / Equipos recomendados*:

	450 mA	500 mA
Non Dimmable	60.9160	60.9160
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9467	60.9411
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

E I **2700K**
03.0771.40A
03.0771.CEA
03.0771.TKA
03.0771.14A
E I
03.0731.40A
03.0731.CEA
03.0731.TKA
03.0731.14A

11° SPOT



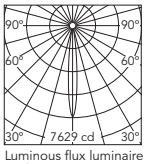
Luminous flux luminaire
385 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

E I **3000K**
03.0770.40A
03.0770.CEA
03.0770.TKA
03.0770.14A
E I
03.0730.40A
03.0730.CEA
03.0730.TKA
03.0730.14A

11° SPOT



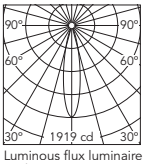
Luminous flux luminaire
399 lm (EXTREME CUT OFF)

Beam Angle: 11°

h(m)	E(lx)	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

E I **2700K**
03.0773.40A
03.0773.CEA
03.0773.TKA
03.0773.14A
E I
03.0733.40A
03.0733.CEA
03.0733.TKA
03.0733.14A

21° MEDIUM



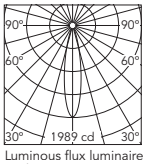
Luminous flux luminaire
359 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

E I **3000K**
03.0772.40A
03.0772.CEA
03.0772.TKA
03.0772.14A
E I
03.0732.40A
03.0732.CEA
03.0732.TKA
03.0732.14A

21° MEDIUM



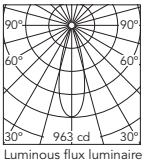
Luminous flux luminaire
373 lm (EXTREME CUT OFF)

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

E I **2700K**
03.0775.40A
03.0775.CEA
03.0775.TKA
03.0775.14A
E I
03.0735.40A
03.0735.CEA
03.0735.TKA
03.0735.14A

31° FLOOD



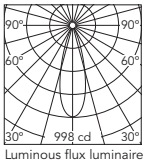
Luminous flux luminaire
300 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

E I **3000K**
03.0774.40A
03.0774.CEA
03.0774.TKA
03.0774.14A
E I
03.0734.40A
03.0734.CEA
03.0734.TKA
03.0734.14A

31° FLOOD



Luminous flux luminaire
311 lm (EXTREME CUT OFF)

Beam Angle: 31°

h(m)	E(lx)	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

Accessories / Accesorios

Johnny 80 No Trim 1L

Installation frame No Trim.
Johnny ø80.

Marco de instalación No Trim.
Johnny ø80.



Johnny ø80 Round
☐ 08.9102.00

Installation frame No Trim.
Johnny □80.

Marco de instalación No Trim.
Johnny □80.



Johnny □80 Square
☐ 08.9103.00

Johnny 80 No Trim 2L Square

Installation frame No Trim.
Johnny 80 2L Square.

Marco de instalación No Trim.
Johnny 80 2L Square.

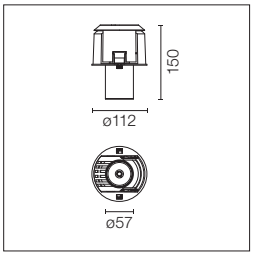


☐ 08.9105.00

Johnny 120 Light Source

Light Source:
Without accessories: LED Array High Performance DC 500 mA - 20W - 2049 lm - 2700K/CRI 90 / 20W - 2183 lm - 3000K/CRI 90
With accessories: LED Array High Performance DC 450 mA - 18W - 1862 lm - 2700K/CRI 90 / 18W - 1984 lm - 3000K/CRI 90
Without accessories: LED Array DC 500 mA - 18W - 1770 lm - 2700K/CRI 90 / 18W - 1870 lm - 3000K/CRI 90
With accessories: LED Array DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90





GWT 850° | IP 20 | 40° | 03 ** | F | 0,65 Kg | IECEE ** | LED INCL | CE | III

Recessed luminaire with LED light source. Power supply not included. One driver is needed per each light source.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

**Part number with certificate: 0741 / 0743 / 0745 / 0740 / 0742 / 0744

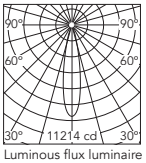
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

High Performance 2700K
☐ 03.0801.40A
■ 03.0801.14A

21° SPOT



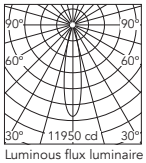
Luminous flux luminaire 1814 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11214	0.37
2	2804	0.74
3	1246	1.11
4	701	1.48
5	449	1.85

High Performance 3000K
☐ 03.0800.40A
■ 03.0800.14A

21° SPOT



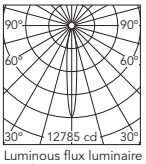
Luminous flux luminaire 1933 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	11950	0.37
2	2988	0.74
3	1328	1.11
4	747	1.48
5	478	1.85

2700K
☐ 03.0741.40
■ 03.0741.14

13° SPOT



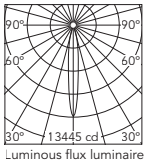
Luminous flux luminaire 1324 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	12785	0.22
2	3196	0.44
3	1421	0.66
4	799	0.88
5	511	1.10

3000K
☐ 03.0740.40
■ 03.0740.14

13° SPOT



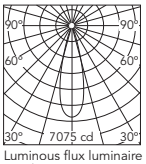
Luminous flux luminaire 1393 lm (EXTREME CUT OFF)

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	13445	0.22
2	3361	0.44
3	1494	0.66
4	840	0.88
5	538	1.10

High Performance 2700K
☐ 03.0803.40A
■ 03.0803.14A

27° MEDIUM



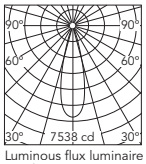
Luminous flux luminaire 1544 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7075	0.49
2	1769	0.98
3	786	1.47
4	442	1.96
5	283	2.44

High Performance 3000K
☐ 03.0802.40A
■ 03.0802.14A

27° MEDIUM



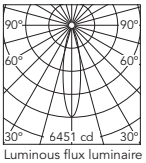
Luminous flux luminaire 1645 lm

Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7538	0.49
2	1884	0.98
3	838	1.47
4	471	1.96
5	302	2.44

2700K
☐ 03.0743.40
■ 03.0743.14

22° MEDIUM



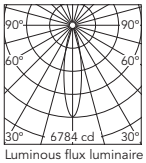
Luminous flux luminaire 1222 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6451	0.39
2	1613	0.79
3	717	1.18
4	403	1.58
5	258	1.97

3000K
☐ 03.0742.40
■ 03.0742.14

22° MEDIUM



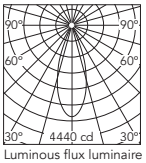
Luminous flux luminaire 1285 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6784	0.39
2	1696	0.79
3	754	1.18
4	424	1.58
5	271	1.97

High Performance 2700K
☐ 03.0805.40A
■ 03.0805.14A

36° FLOOD



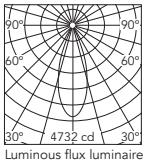
Luminous flux luminaire 1519 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4440	0.64
2	1110	1.28
3	493	1.92
4	277	2.56
5	178	3.20

High Performance 3000K
☐ 03.0804.40A
■ 03.0804.14A

36° FLOOD



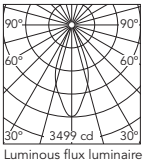
Luminous flux luminaire 1619 lm

Beam Angle: 36°

h(m)	E(lx)	D(m)
1	4732	0.64
2	1183	1.28
3	526	1.92
4	296	2.56
5	189	3.20

2700K
☐ 03.0745.40
■ 03.0745.14

41° FLOOD



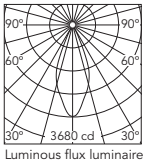
Luminous flux luminaire 1456 lm (EXTREME CUT OFF)

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	3499	0.75
2	875	1.50
3	389	2.25
4	219	3.00
5	140	3.75

3000K
☐ 03.0744.40
■ 03.0744.14

41° FLOOD



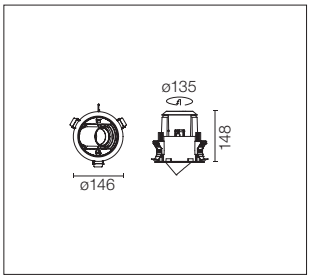
Luminous flux luminaire 1531 lm (EXTREME CUT OFF)

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	3680	0.75
2	920	1.50
3	409	2.25
4	230	3.00
5	147	3.75

Johnny 120 Round 1L – Recessed Universal Frame





Unique reference for Trim or No Trim recessed installation.
08.0555.00=includes white frame to complete Trim finishing.
08.0505.00=includes optional white and black frames to complete Trim finishing.

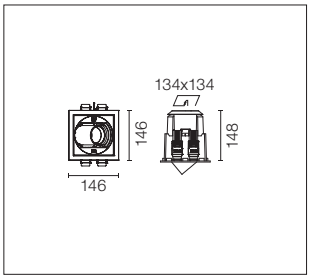
☐ 08.0555.00
+
1x Light Source
+
1x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0555.00=incluye marco en blanco para completar el acabado Trim.
08.0505.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0505.00
+
1x Light Source
+
1x Driver

Johnny 120 Square 1L – Recessed Universal Frame





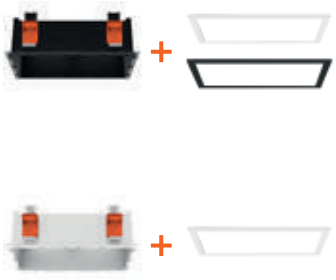
Unique reference for Trim or No Trim recessed installation.
08.0550.00=includes white frame to complete Trim finishing.
08.0500.00=includes optional white and black frames to complete Trim finishing.

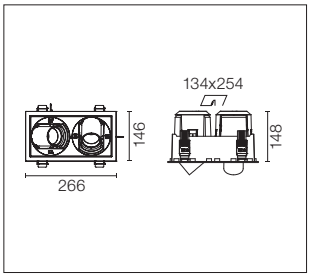
☐ 08.0550.00
+
1x Light Source
+
1x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0550.00=incluye marco en blanco para completar el acabado Trim.
08.0500.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0500.00
+
1x Light Source
+
1x Driver

Johnny 120 Square 2L – Recessed Universal Frame





Unique reference for Trim or No Trim recessed installation.
08.0551.00=includes white frame to complete Trim finishing.
08.0501.00=includes optional white and black frames to complete Trim finishing.

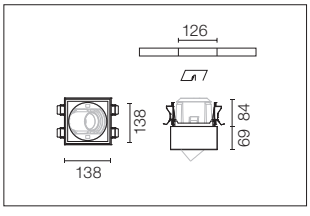
☐ 08.0551.00
+
2x Light Source
+
2x Driver

Referencia única para las instalaciones empotrables Trim o No Trim.
08.0551.00=incluye marco en blanco para completar el acabado Trim.
08.0501.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

■ 08.0501.00
+
2x Light Source
+
2x Driver

Johnny 120 Semi-Recessed 1L Square – Housing





E I
08.0556.40
08.0556.CE
08.0556.TK
08.0556.14
+
1x Light Source
+
1x Driver

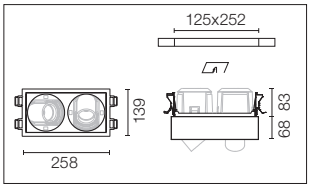
E I
08.0506.40
08.0506.CE
08.0506.TK
08.0506.14
+
1x Light Source
+
1x Driver

Johnny 120 Semi-Recessed 2L Square – Housing



E I
08.0557.40
08.0557.CE
08.0557.TK
08.0557.14
+
2x Light Source
+
2x Driver

E I
08.0507.40
08.0507.CE
08.0507.TK
08.0507.14
+
2x Light Source
+
2x Driver



JOHNNY 120

Light Source:
With accessories: LED Array High Performance DC 450 mA - 18W - 1862 lm - 2700K/CRI 90 / 18W - 1984 lm - 3000K/CRI 90
With accessories: LED Array DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90

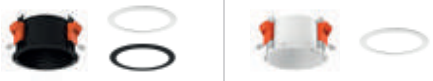
Accessories / Accesorios

Screening crosspiece Cruceta de apantallamiento		08.8429.00
Elliptical lens Lente elíptica		08.8431.00
Flood lens Lente flood		08.8432.00
Honeycomb Honeycomb		08.8428.00
Snoot shielding cone Cono apantallador	 29	08.0526.00

HOW TO ORDER JOHNNY 120

TRIM / NO TRIM 1L ROUND

Universal frame



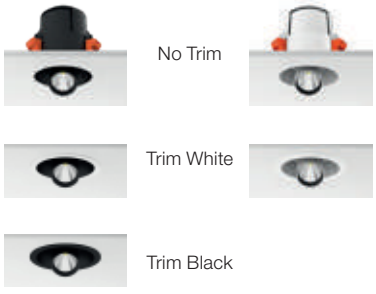
08.0505.00 + 08.0555.00

1x Light Source*



	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

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No Trim

Trim White

Trim Black

TRIM / NO TRIM 1L SQUARE

Universal frame



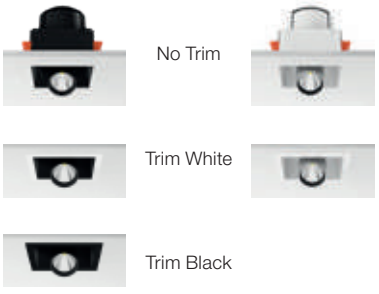
08.0500.00 + 08.0550.00

1x Light Source*



	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=



No Trim

Trim White

Trim Black

TRIM / NO TRIM 2L SQUARE

Universal frame



08.0501.00 + 08.0551.00

2x Light Source*



	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=



No Trim

Trim White

Trim Black

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

HOW TO ORDER JOHNNY 120

SEMI-RECESSED 1L SQUARE

Housing



08.0506.40 08.0506.CE 08.0506.TK 08.0506.14



08.0556.40 08.0556.CE 08.0556.TK 08.0556.14

+

1x Light Source*



	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=



White Concrete Teak Black

SEMI-RECESSED 2L SQUARE

Housing



08.0507.40 08.0507.CE 08.0507.TK 08.0507.14



08.0557.40 08.0557.CE 08.0557.TK 08.0557.14

+

2x Light Source*



	2700K	3000K	2700K High Perf.	3000K High Perf.
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14

=



White Concrete Teak Black

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

SPOTLIGHTS

Light Shadow Spot, Camera, Find Me,
UT Spot&Pro, Wan Spot.

NEW

LIGHT SHADOW SPOT

DESIGNED BY FLOS ARCHITECTURAL



NEW

Description
A range of spots that offers the exclusive and patented Flos technology for its Light Shadow family of luminaires, with double focal lenses and high shielding optical body and maximum visual comfort.
As a result, this family of spots (available for standard three-phase tracks and for compatible Flos systems and structures) represents the technological zenith in optical light management for this type of product.
The unbeatable treatment of the raw light source flux results in an excellent Light Output Ratio in any of its beam angles. This, together with an even and impeccable light distribution, makes this family of spotlights the perfect lighting tool for the most demanding professional projects.
These state-of-the-art technical conditions are found in a compact, simple and essential product. The Light Shadow Spots are also available in different finishes, including sophisticated metallic features that make them stand out as a decorative element with a personality of its own.
Other color options are available on request, both for the cylindrical bodies' finishes (external) and for the inner cones (internal), or the rear parts, arm and adapter (rear).

Optical System
The product family offers Beam Angle options from Super Spot to Wide Flood. Please see specific options for each model.

Control Systems
Light Shadow Spots are available in dimmable options under Casambi, DALI protocols and with integrated potentiometer. Please refer to specific options for each model.

Accessories
Optional accessories are available for all models:
- Honeycomb.
- CCT dichroic filters.

Additional Information
Before placing your order, please consult the product details also in the Flos professional website, in its technical data sheet and in the installation and assembly instructions in order to know in detail all the information that may not be included in this catalogue, that may have been updated online after this edition or that could be relevant to your project or specific installation.

Standard Compliance and Quality Marks
Luminaire complies with the European Technical Standard EN60598-1 and secondary parts.

Descripción
Gama de proyectores que ofrece la tecnología exclusiva y patentada de Flos para su familia de luminarias Light Shadow, con lentes de doble focal y cuerpo óptico de alto apantallamiento y máximo confort visual.
Gracias a ello, esta familia de 'spots' (disponibles para carriles trifásicos estándar y para los sistemas y estructuras compatibles de Flos) representan el cénit tecnológico en gestión óptica de la luz para esta tipología de producto.
El inmejorable tratamiento del flujo bruto de la fuente de luz deriva en un Light Output Ratio excelente en cualquiera de sus opciones de apertura (beam angle). Ello, unido a una distribución homogénea e impecable de la luz, hacen de esta familia de proyectores la herramienta lumínica perfecta para los proyectos profesionales más exigentes.
Estas condiciones técnicas de vanguardia se concentran en un producto compacto, formalmente sencillo y esencial. Los Light Shadow Spots se ofrecen además en diferentes acabados, entre los que destacan sofisticadas opciones metálicas que los distinguen como un elemento decorativo de personalidad propia. Otras opciones de color están disponibles bajo demanda, tanto para los acabados de los cuerpos cilíndricos (external) como para los conos interiores (internal) o las partes traseras, brazo y adaptador (rear).

Sistema Óptico
La familia de producto ofrece opciones de apertura Beam Angle desde Super Spot a Wide Flood. Consulte las opciones concretas de cada modelo.

Sistemas de Control
Los Light Shadow Spots están disponibles en opciones regulables bajo protocolos Casambi, DALI y con potenciómetro integrado. Consulte la información de cada modelo.

Accesorios
Todos los modelos cuentan con accesorios opcionales:
- Panel de abeja.
- Filtros Dicroicos CCT.

Información Adicional
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo, haber sido actualizada online posteriormente a esta edición o ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

Available on the App Store

GET IT ON Google Play

NEW

LIGHT SHADOW SPOT

DESIGNED BY FLOS ARCHITECTURAL

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
11,5W
844 lm
3000K/CRI 90
915 lm
4000K/CRI 90

LIGHT SHADOW SPOT 60



LIGHT SOURCE
LED ARRAY
Up to 22W
Up to 1751 lm
3000K/CRI 90
Up to 1815 lm
4000K/CRI 90

40 White
40 Blanco



14 Black
14 Negro



40.78/YU/C6 All White



EQ Brushed Copper
EQ Cobre Cepillado



ER Brushed Steel
ER Acero Cepillado



ES Brushed Bronze
ES Bronce Cepillado



LIGHT SHADOW SPOT

NEW

THE TRACKING MAGNET & INFRA-STRUCTURE

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4,5W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



LIGHT SOURCE
LED ARRAY
10W
799 lm
2700K/CRI 90
844 lm
3000K/CRI 90

LIGHT SHADOW SPOT 60



LIGHT SOURCE
LED ARRAY
Up to 20W
Up to 1563 lm
2700K/CRI 90
Up to 1751 lm
3000K/CRI 90

* Refer to The Tracking Magnet & Infra-Structure chapter / Ver capítulo The Tracking Magnet & Infra-Structure

THE RUNNING MAGNET

LIGHT SHADOW SPOT 30



LIGHT SOURCE
POWER LED
4W
257 lm
2700K/CRI 90
263 lm
3000K/CRI 90

LIGHT SHADOW SPOT 45



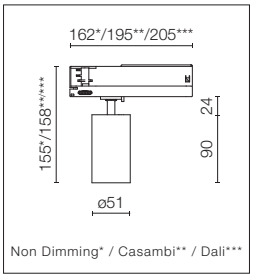
LIGHT SOURCE
LED ARRAY
10W
756 lm
2700K/CRI 90
799 lm
3000K/CRI 90

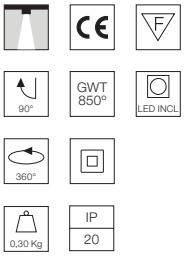
* Refer to The Running Magnet chapter / Ver capítulo The Running Magnet

Light Shadow Spot 45

Light Source: LED Array 11,5W - 844 lm - 3000K/CRI 90 / 11,5W - 915 lm - 4000K/CRI 90







Projector to be installed on three-phase track with LED light source. Built-in 220-240V, 50-60Hz power supply.
All finishes come with black track adapter, arm and back of the head. In the "all white" versions the track adapter, arm and back of the head come in white. The display is always offered in high gloss technical black anti-glare finish.
For other finishes, please consult us.

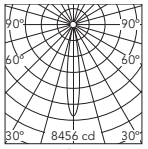
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Todos los acabados tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo y la trasera son blancas. La pantalla siempre se ofrece en acabado anti-deslumbramiento negro técnico de alto brillo.
Otros acabados, consultar.

Optic Spot - 3000K

Non Dimmable

- 05.9205.40
- 05.9205.14
- 05.9205.ER
- 05.9205.ES
- 05.9205.EQ
- 05.9205.40.78

15° SPOT



Luminous flux luminaire 686 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8456	0.27
2	2114	0.54
3	940	0.80
4	528	1.07
5	338	1.34

Dali 2

- 05.9205.40ADA
- 05.9205.14ADA
- 05.9205.ERADA
- 05.9205.ESADA
- 05.9205.EQADA
- 05.9205.40AYU

Casambi

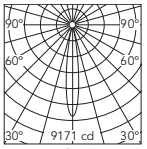
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- 05.9205.14ACB
- 05.9205.ERACB
- 05.9205.ESACB
- 05.9205.EQACB
- 05.9205.40AC6

Optic Spot - 4000K

Non Dimmable

- 05.9210.40
- 05.9210.14
- 05.9210.ER
- 05.9210.ES
- 05.9210.EQ
- 05.9210.40.78

15° SPOT



Luminous flux luminaire 744 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	9171	0.27
2	2293	0.54
3	1019	0.80
4	573	1.07
5	367	1.34

Dali 2

- 05.9210.40ADA
- 05.9210.14ADA
- 05.9210.ERADA
- 05.9210.ESADA
- 05.9210.EQADA
- 05.9210.40AYU

Casambi

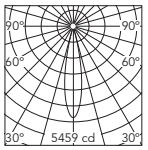
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- 05.9210.14ACB
- 05.9210.ERACB
- 05.9210.ESACB
- 05.9210.EQACB
- 05.9210.40AC6

Optic Medium - 3000K

Non Dimmable

- 05.9206.40
- 05.9206.14
- 05.9206.ER
- 05.9206.ES
- 05.9206.EQ
- 05.9206.40.78

21° MEDIUM



Luminous flux luminaire 682 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5459	0.36
2	1365	0.73
3	607	1.09
4	341	1.46
5	218	1.82

Dali 2

- 05.9206.40ADA
- 05.9206.14ADA
- 05.9206.ERADA
- 05.9206.ESADA
- 05.9206.EQADA
- 05.9206.40AYU

Casambi

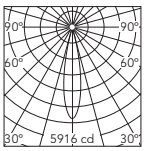
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- 05.9206.14ACB
- 05.9206.ERACB
- 05.9206.ESACB
- 05.9206.EQACB
- 05.9206.40AC6

Optic Medium - 4000K

Non Dimmable

- 05.9211.40
- 05.9211.14
- 05.9211.ER
- 05.9211.ES
- 05.9211.EQ
- 05.9211.40.78

21° MEDIUM



Luminous flux luminaire 739 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	5916	0.36
2	1479	0.73
3	657	1.09
4	370	1.46
5	237	1.82

Dali 2

- 05.9211.40ADA
- 05.9211.14ADA
- 05.9211.ERADA
- 05.9211.ESADA
- 05.9211.EQADA
- 05.9211.40AYU

Casambi

- 05.9211.40ACB
- 05.9211.14ACB
- 05.9211.ERACB
- 05.9211.ESACB
- 05.9211.EQACB
- 05.9211.40AC6

NEW

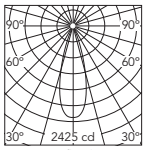
Optic Flood - 3000K

Non Dimmable

- 05.9207.40
- 05.9207.14
- 05.9207.ER
- 05.9207.ES
- 05.9207.EQ
- 05.9207.40.78



FLOOD



Luminous flux luminaire
682 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2424	0.56
2	606	1.11
3	269	1.67
4	152	2.22
5	97	2.78

Dali 2

- 05.9207.40ADA
- 05.9207.14ADA
- 05.9207.ERADA
- 05.9207.ESADA
- 05.9207.EQADA
- 05.9207.40AYU

Casambi

- 05.9207.40ACB
- 05.9207.14ACB
- 05.9207.ERACB
- 05.9207.ESACB
- 05.9207.EQACB
- 05.9207.40AC6

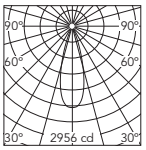
Optic Flood - 4000K

Non Dimmable

- 05.9212.40
- 05.9212.14
- 05.9212.ER
- 05.9212.ES
- 05.9212.EQ
- 05.9212.40.78



FLOOD



Luminous flux luminaire
739 lm

Beam Angle:	31°
h(m)	E(lx)	D(m)
1	2627	0.56
2	657	1.11
3	292	1.67
4	164	2.22
5	105	2.78

Dali 2

- 05.9212.40ADA
- 05.9212.14ADA
- 05.9212.ERADA
- 05.9212.ESADA
- 05.9212.EQADA
- 05.9212.40AYU

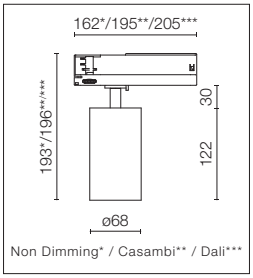
Casambi

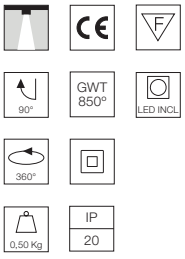
- 05.9212.40ACB
- 05.9212.14ACB
- 05.9212.ERACB
- 05.9212.ESACB
- 05.9212.EQACB
- 05.9212.40AC6

Light Shadow Spot 60

Light Source: Super Spot: LED Array 11W - 844 lm - 3000K/CRI 90 / 11W - 915 lm - 4000K/CRI 90
S/M/F/WF: LED Array 22W - 1751 lm - 3000K/CRI 90 / 22W - 1815 lm - 4000K/CRI 90







Projector to be installed on three-phase track with LED light source. Built-in 220-240V, 50-60Hz power supply.
All finishes come with black track adapter, arm and back of the head. In the "all white" versions the track adapter, arm and back of the head come in white. The display is always offered in high gloss technical black anti-glare finish.
For other finishes, please consult us.

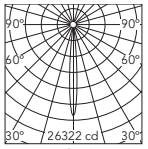
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Todos los acabados tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo y la trasera son blancas. La pantalla siempre se ofrece en acabado anti-deslumbramiento negro técnico de alto brillo.
Otros acabados, consultar.

Optic Super Spot - 3000K

Non Dimmable

- 05.9235.40
- 05.9235.14
- 05.9235.ER
- 05.9235.ES
- 05.9235.EQ
- 05.9235.40.78

9° SUPER SPOT



Luminous flux luminaire 808 lm

Beam Angle:	9°	
h(m)	E(lx)	D(m)
1	26322	0.16
2	6581	0.32
3	2925	0.48
4	1645	0.64
5	1053	0.80

Dali 2

- 05.9235.40ADA
- 05.9235.14ADA
- 05.9235.ERADA
- 05.9235.ESADA
- 05.9235.EQADA
- 05.9235.40AYU

Casambi

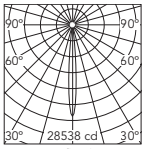
- 05.9235.40ACB
- 05.9235.14ACB
- 05.9235.ERACB
- 05.9235.ESACB
- 05.9235.EQACB
- 05.9235.40AC6

Optic Super Spot - 4000K

Non Dimmable

- 05.9240.40
- 05.9240.14
- 05.9240.ER
- 05.9240.ES
- 05.9240.EQ
- 05.9240.40.78

9° SUPER SPOT



Luminous flux luminaire 876 lm

Beam Angle:	9°	
h(m)	E(lx)	D(m)
1	28538	0.16
2	7134	0.32
3	3171	0.48
4	1784	0.64
5	1142	0.80

Dali 2

- 05.9240.40ADA
- 05.9240.14ADA
- 05.9240.ERADA
- 05.9240.ESADA
- 05.9240.EQADA
- 05.9240.40AYU

Casambi

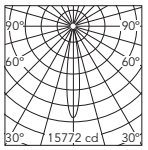
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- 05.9240.14ACB
- 05.9240.ERACB
- 05.9240.ESACB
- 05.9240.EQACB
- 05.9240.40AC6

Optic Spot - 3000K

Non Dimmable

- 05.9236.40
- 05.9236.14
- 05.9236.ER
- 05.9236.ES
- 05.9236.EQ
- 05.9236.40.78

15° SPOT



Luminous flux luminaire 1375 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	15772	0.27
2	3943	0.54
3	1752	0.81
4	986	1.09
5	631	1.36

Dali 2

- 05.9236.40ADA
- 05.9236.14ADA
- 05.9236.ERADA
- 05.9236.ESADA
- 05.9236.EQADA
- 05.9236.40AYU

Casambi

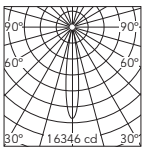
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- 05.9236.14ACB
- 05.9236.ERACB
- 05.9236.ESACB
- 05.9236.EQACB
- 05.9236.40AC6

Optic Spot - 4000K

Non Dimmable

- 05.9241.40
- 05.9241.14
- 05.9241.ER
- 05.9241.ES
- 05.9241.EQ
- 05.9241.40.78

15° SPOT



Luminous flux luminaire 1425 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	16346	0.27
2	4086	0.54
3	1816	0.81
4	1022	1.09
5	654	1.36

Dali 2

- 05.9241.40ADA
- 05.9241.14ADA
- 05.9241.ERADA
- 05.9241.ESADA
- 05.9241.EQADA
- 05.9241.40AYU

Casambi

- 05.9241.40ACB
- 05.9241.14ACB
- 05.9241.ERACB
- 05.9241.ESACB
- 05.9241.EQACB
- 05.9241.40AC6

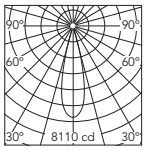
NEW

Optic Medium - 3000K

Non Dimmable

- 05.9237.40
- 05.9237.14
- 05.9237.ER
- 05.9237.ES
- 05.9237.EQ
- 05.9237.40.78





Luminous flux luminaire
1427 lm

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	8110	0.45
2	2027	0.91
3	901	1.36
4	507	1.82
5	324	2.27

Dali 2

- 05.9237.40ADA
- 05.9237.14ADA
- 05.9237.ERADA
- 05.9237.ESADA
- 05.9237.EQADA
- 05.9237.40AYU

Casambi

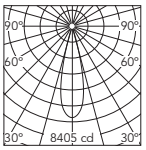
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- 05.9237.14ACB
- 05.9237.ERACB
- 05.9237.ESACB
- 05.9237.EQACB
- 05.9237.40AC6

Optic Medium - 4000K

Non Dimmable

- 05.9242.40
- 05.9242.14
- 05.9242.ER
- 05.9242.ES
- 05.9242.EQ
- 05.9242.40.78





Luminous flux luminaire
1479 lm

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	8405	0.45
2	2101	0.91
3	934	1.36
4	525	1.82
5	336	2.27

Dali 2

- 05.9242.40ADA
- 05.9242.14ADA
- 05.9242.ERADA
- 05.9242.ESADA
- 05.9242.EQADA
- 05.9242.40AYU

Casambi

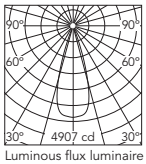
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- 05.9242.14ACB
- 05.9242.ERACB
- 05.9242.ESACB
- 05.9242.EQACB
- 05.9242.40AC6

Optic Flood - 3000K

Non Dimmable

- 05.9238.40
- 05.9238.14
- 05.9238.ER
- 05.9238.ES
- 05.9238.EQ
- 05.9238.40.78





Luminous flux luminaire
1431 lm

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	4907	0.60
2	1227	1.20
3	545	1.80
4	307	2.40
5	196	3.00

Dali 2

- 05.9238.40ADA
- 05.9238.14ADA
- 05.9238.ERADA
- 05.9238.ESADA
- 05.9238.EQADA
- 05.9238.40AYU

Casambi

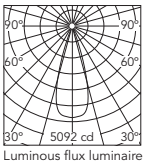
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- 05.9238.14ACB
- 05.9238.ERACB
- 05.9238.ESACB
- 05.9238.EQACB
- 05.9238.40AC6

Optic Flood - 4000K

Non Dimmable

- 05.9243.40
- 05.9243.14
- 05.9243.ER
- 05.9243.ES
- 05.9243.EQ
- 05.9243.40.78





Luminous flux luminaire
1485 lm

Beam Angle:		33°
h(m)	E(lx)	D(m)
1	5092	0.60
2	1273	1.20
3	566	1.80
4	318	2.40
5	204	3.00

Dali 2

- 05.9243.40ADA
- 05.9243.14ADA
- 05.9243.ERADA
- 05.9243.ESADA
- 05.9243.EQADA
- 05.9243.40AYU

Casambi

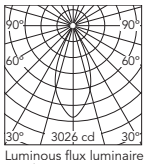
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- 05.9243.14ACB
- 05.9243.ERACB
- 05.9243.ESACB
- 05.9243.EQACB
- 05.9243.40AC6

Optic Wide Flood - 3000K

Non Dimmable

- 05.9239.40
- 05.9239.14
- 05.9239.ER
- 05.9239.ES
- 05.9239.EQ
- 05.9239.40.78





Luminous flux luminaire
1390 lm

Beam Angle:		43°
h(m)	E(lx)	D(m)
1	3026	0.79
2	757	1.59
3	336	2.38
4	189	3.17
5	121	3.97

Dali 2

- 05.9239.40ADA
- 05.9239.14ADA
- 05.9239.ERADA
- 05.9239.ESADA
- 05.9239.EQADA
- 05.9239.40AYU

Casambi

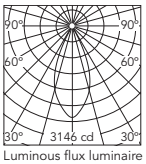
- 05.9239.40ACB
- 05.9239.14ACB
- 05.9239.ERACB
- 05.9239.ESACB
- 05.9239.EQACB
- 05.9239.40AC6

Optic WideFlood - 4000K

Non Dimmable

- 05.9244.40
- 05.9244.14
- 05.9244.ER
- 05.9244.ES
- 05.9244.EQ
- 05.9244.40.78





Luminous flux luminaire
1445 lm

Beam Angle:		43°
h(m)	E(lx)	D(m)
1	3146	0.79
2	787	1.59
3	350	2.38
4	197	3.17
5	126	3.97

Dali 2

- 05.9244.40ADA
- 05.9244.14ADA
- 05.9244.ERADA
- 05.9244.ESADA
- 05.9244.EQADA
- 05.9244.40AYU

Casambi

- 05.9244.40ACB
- 05.9244.14ACB
- 05.9244.ERACB
- 05.9244.ESACB
- 05.9244.EQACB
- 05.9244.40AC6

NEW

Accesorios / Accessories

Light Shadow Spot 45

Honeycomb	Panel de abeja		08.0793.00
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase 3000K >> 3600±75K 4000K >> 5100±75K 08.0794.00
			Decrease 3000K >> 2700±75K 4000K >> 3400±75K 08.0795.00

Light Shadow Spot 60

Honeycomb	Panel de abeja		Super Spot 08.0175.14
			Spot / Medium / Flood / Wide Flood 08.0176.14
Dichroic CCT Filter	Filtros Dicroicos CCT		Increase Super Spot 3000K >> 3600±75K 4000K >> 5100±75K 08.0796.00
			Spot / Medium / Flood / Wide Flood 3000K >> 3600±75K 4000K >> 5100±75K 08.0798.00
			Decrease Super Spot 3000K >> 2700±75K 4000K >> 3400±75K 08.0797.00
			Spot / Medium / Flood / Wide Flood 3000K >> 2700±75K 4000K >> 3400±75K 08.0799.00

CAMERA

DESIGNED BY KNUD HOLSCHER

CAMERA 60



LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1585 lm
3500K/CRI 97
Up to 1697 lm

CAMERA 90



LIGHT SOURCE
LED ARRAY
Up to 32W
3000K/CRI 97
Up to 2585 lm
3500K/CRI 97
Up to 2715 lm

☐ WA Textured White
WA Blanco Texturizado



■ DR Anthracite
DR Antracita



Description
Luminaire for indoor use to be mounted on three phase track, available in LED technology light sources and in dimmable and non-dimmable versions.
The family is available in two sizes (60 / 90).
The optical housing of the luminaire is the result of a careful optical research. Dual focus lens specifically developed by FLOS for these products. Ensures maximum optical control and exceptionally even light beams.
Camera takes advantage of an innovative micro-textured silicone lens that allows extreme control as well as providing absolute efficiency, heat resistance and maximum quality in light distribution.
It incorporates an LED Array with an innovative light projection treatment that allows very narrow optics and general lighting. Integrated full cut-off.
The optical kit available includes 5 differentiated beam openings, each developed for a specific target application. Whether it's intensive beams or diffused light effects, optical control is always exceptional and fall-off is totally absent.

Power Supply
Not dimmable or dimmable 220-240V, constant current, power supply included. Dimmable versions are available with DALI, Casambi or come with a built-in on board dimmer.
For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version.
For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is required (available in the Apple Store and Google Play).

Accessories
- Honeycomb available.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Descripción
Luminaria de interior para ser instalada a carril trifásico, disponible con fuentes de luz de tecnología LED de alta potencia y en versión dimable y no dimable.
La familia está disponible en dos tamaños (60 y 90).
El cuerpo óptico de la luminaria es el resultado de una cuidadosa investigación óptica. Lente de doble foco desarrollada por FLOS específicamente para estos productos. Garantiza el máximo control óptico y una homogeneidad excepcional del haz de luz. Camera aprovecha los beneficios de una innovadora lente de silicona micro texturizada que permite un control extremo además de proporcionar una eficiencia absoluta, resistencia al calor y máxima calidad en la distribución de la luz. Incorpora un LED Array con un tratamiento de su proyección de luz innovador que permite ópticas muy estrechas y de iluminación general. Atenuador de "cut-off" completo integrado.
El kit óptico disponible incluye 5 aberturas de haz diferenciadas, cada una desarrollada para una aplicación especial. Tanto si se trata de haces intensivos o efectos de luz difusa, el control óptico siempre es excepcional y la luz espuria está totalmente ausente.

Unidades de Alimentación
Fuente de alimentación de corriente constante incluida disponible en versión no regulable o regulable vía "on board dimmer" incorporado, Dali y Casambi.
Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi.
Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Accesorios
- Honeycomb disponible.

Cumplimiento de Normativa y Marcas de Calidad
EN60598-1 European Technical Standards and any subsequent additions.

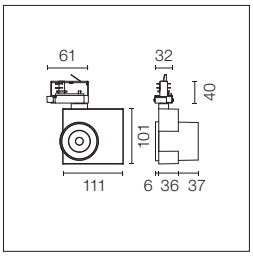
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

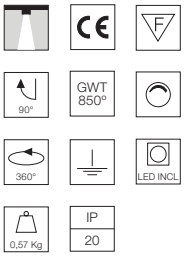
FLOS
CONTROL BY CASAMBI
Available on the App Store
GET IT ON Google Play

Camera 60 - GA 69

Light Source: Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

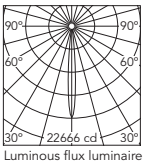
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Optic Super Spot 3000K

Non Dimmable
- 09.8110.WA
- 09.8110.DR

On Board Dimmer
- 09.8110.WA.PC
- 09.8110.DR.PC

9° SUPER SPOT



Luminous flux luminaire 711 lm

Beam Angle: 9°

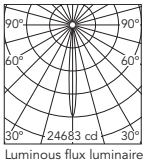
h(m)	E(lx)	D(m)
1	22666	0.16
2	5667	0.32
3	2518	0.48
4	1417	0.63
5	907	0.79

Optic Super Spot 3500K

Non Dimmable
- 09.8115.WA
- 09.8115.DR

On Board Dimmer
- 09.8115.WA.PC
- 09.8115.DR.PC

9° SUPER SPOT



Luminous flux luminaire 774 lm

Beam Angle: 9°

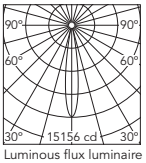
h(m)	E(lx)	D(m)
1	24683	0.16
2	6171	0.32
3	2743	0.48
4	1543	0.63
5	987	0.79

Optic Spot 3000K

Non Dimmable
- 09.8111.WA
- 09.8111.DR

On Board Dimmer
- 09.8111.WA.PC
- 09.8111.DR.PC

15° SPOT



Luminous flux luminaire 1299 lm

Beam Angle: 15°

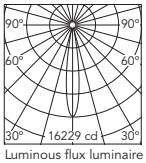
h(m)	E(lx)	D(m)
1	15156	0.27
2	3789	0.54
3	1684	0.81
4	947	1.09
5	606	1.36

Optic Spot 3500K

Non Dimmable
- 09.8116.WA
- 09.8116.DR

On Board Dimmer
- 09.8116.WA.PC
- 09.8116.DR.PC

15° SPOT



Luminous flux luminaire 1391 lm

Beam Angle: 15°

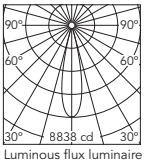
h(m)	E(lx)	D(m)
1	16229	0.27
2	4057	0.54
3	1803	0.81
4	1014	1.09
5	649	1.36

Optic Medium 3000K

Non Dimmable
- 09.8112.WA
- 09.8112.DR

On Board Dimmer
- 09.8112.WA.PC
- 09.8112.DR.PC

23° MEDIUM



Luminous flux luminaire 1266 lm

Beam Angle: 23°

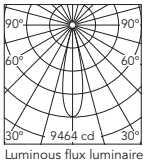
h(m)	E(lx)	D(m)
1	8838	0.41
2	2210	0.81
3	982	1.22
4	552	1.62
5	354	2.03

Optic Medium 3500K

Non Dimmable
- 09.8117.WA
- 09.8117.DR

On Board Dimmer
- 09.8117.WA.PC
- 09.8117.DR.PC

23° MEDIUM



Luminous flux luminaire 1356 lm

Beam Angle: 23°

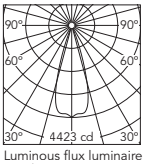
h(m)	E(lx)	D(m)
1	9464	0.41
2	2366	0.81
3	1052	1.22
4	591	1.62
5	379	2.03

Optic Flood 3000K

Non Dimmable
- 09.8113.WA
- 09.8113.DR

On Board Dimmer
- 09.8113.WA.PC
- 09.8113.DR.PC

34° FLOOD



Luminous flux luminaire 1310 lm

Beam Angle: 34°

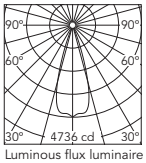
h(m)	E(lx)	D(m)
1	4423	0.61
2	1106	1.21
3	491	1.82
4	276	2.42
5	177	3.03

Optic Flood 3500K

Non Dimmable
- 09.8118.WA
- 09.8118.DR

On Board Dimmer
- 09.8118.WA.PC
- 09.8118.DR.PC

34° FLOOD



Luminous flux luminaire 1403 lm

Beam Angle: 34°

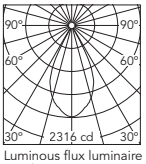
h(m)	E(lx)	D(m)
1	4736	0.61
2	1184	1.21
3	526	1.82
4	296	2.42
5	189	3.03

Optic Wide Flood 3000K

Non Dimmable
- 09.8114.WA
- 09.8114.DR

On Board Dimmer
- 09.8114.WA.PC
- 09.8114.DR.PC

50° WIDE FLOOD



Luminous flux luminaire 1280 lm

Beam Angle: 50°

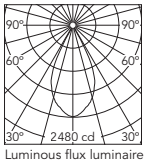
h(m)	E(lx)	D(m)
1	2316	0.94
2	579	1.89
3	257	2.83
4	145	3.77
5	92	4.72

Optic Wide Flood 3500K

Non Dimmable
- 09.8119.WA
- 09.8119.DR

On Board Dimmer
- 09.8119.WA.PC
- 09.8119.DR.PC

50° WIDE FLOOD



Luminous flux luminaire 1371 lm

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2480	0.94
2	620	1.89
3	276	2.83
4	155	3.77
5	99	4.72

Accessories / Accesorios

Camera 60

Honeycomb
Honeycomb

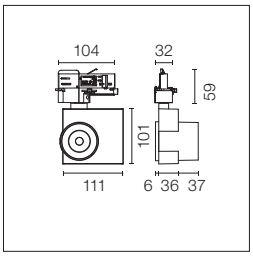


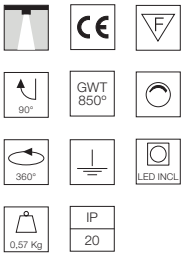
Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 60 - GA 600

Light Source: Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97







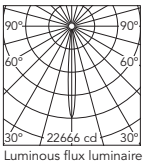
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
DALI version requires dimmable tracks (please refer to the “Tracks” chapter).

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Para la versión DALI necesita carriles dimmables (ver capítulo “Tracks”).

Optic Super Spot 3000K

Dali Version
09.8110.WA.DA
09.8110.DR.DA





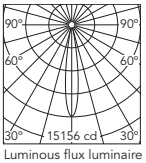
Luminous flux luminaire 711 lm

Beam Angle:		9°
h(m)	E(lx)	D(m)
1	22666	0.16
2	5667	0.32
3	2518	0.48
4	1417	0.63
5	907	0.79

Optic Spot 3000K

Dali Version
09.8111.WA.DA
09.8111.DR.DA





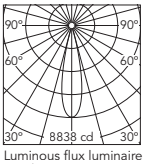
Luminous flux luminaire 1299 lm

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	15156	0.27
2	3789	0.54
3	1684	0.81
4	947	1.09
5	606	1.36

Optic Medium 3000K

Dali Version
09.8112.WA.DA
09.8112.DR.DA





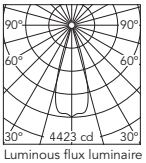
Luminous flux luminaire 1266 lm

Beam Angle:		23°
h(m)	E(lx)	D(m)
1	8838	0.41
2	2210	0.81
3	982	1.22
4	552	1.62
5	354	2.03

Optic Flood 3000K

Dali Version
09.8113.WA.DA
09.8113.DR.DA





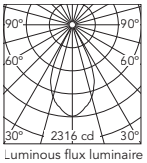
Luminous flux luminaire 1310 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	4423	0.61
2	1106	1.21
3	491	1.82
4	276	2.42
5	177	3.03

Optic Wide Flood 3000K

Dali Version
09.8114.WA.DA
09.8114.DR.DA





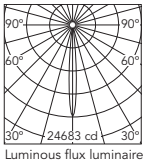
Luminous flux luminaire 1280 lm

Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2316	0.94
2	579	1.89
3	257	2.83
4	145	3.77
5	92	4.72

Optic Super Spot 3500K

Dali Version
09.8115.WA.DA
09.8115.DR.DA





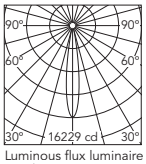
Luminous flux luminaire 774 lm

Beam Angle:		9°
h(m)	E(lx)	D(m)
1	24683	0.16
2	6171	0.32
3	2743	0.48
4	1543	0.63
5	987	0.79

Optic Spot 3500K

Dali Version
09.8116.WA.DA
09.8116.DR.DA





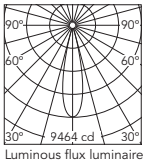
Luminous flux luminaire 1391 lm

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	16229	0.27
2	4057	0.54
3	1803	0.81
4	1014	1.09
5	649	1.36

Optic Medium 3500K

Dali Version
09.8117.WA.DA
09.8117.DR.DA





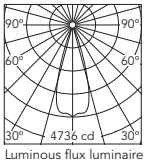
Luminous flux luminaire 1356 lm

Beam Angle:		23°
h(m)	E(lx)	D(m)
1	9464	0.41
2	2366	0.81
3	1052	1.22
4	591	1.62
5	379	2.03

Optic Flood 3500K

Dali Version
09.8118.WA.DA
09.8118.DR.DA





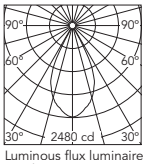
Luminous flux luminaire 1403 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	4736	0.61
2	1184	1.21
3	526	1.82
4	296	2.42
5	189	3.03

Optic Wide Flood 3500K

Dali Version
09.8119.WA.DA
09.8119.DR.DA





Luminous flux luminaire 1371 lm

Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2480	0.94
2	620	1.89
3	276	2.83
4	155	3.77
5	99	4.72

Accessories / Accesorios

Camera 60

Honeycomb
Honeycomb

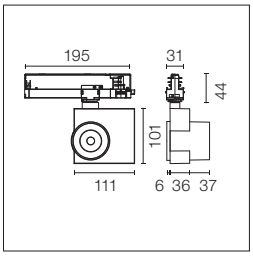


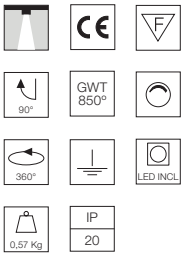
Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 60 - Casambi

Light Source: Super Spot: LED Array 13W - 779 lm - 3000K/CRI 97 / 13W - 817 lm - 3500K/CRI 97
S/M/F/WF: LED Array 20W - 1585 lm - 3000K/CRI 97 / 20W - 1697 lm - 3500K/CRI 97







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
Casambi, maximum distance between fixtures: 10m.

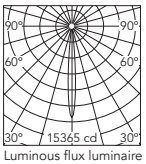
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Casambi, distancia máxima entre luminarias: 10m.

Optic Super Spot 3000K

*Casambi integrated

09.8110.WAACB
09.8110.DRACB

9° SUPER SPOT



Luminous flux luminaire 476 lm

Beam Angle: 9°

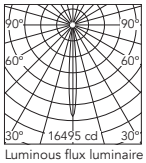
h(m)	E(lx)	D(m)
1	15365	0.16
2	3841	0.32
3	1707	0.48
4	960	0.64
5	615	0.79

Optic Super Spot 3500K

*Casambi integrated

09.8115.WAACB
09.8115.DRACB

9° SUPER SPOT



Luminous flux luminaire 511 lm

Beam Angle: 9°

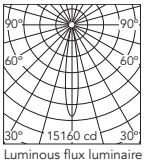
h(m)	E(lx)	D(m)
1	16495	0.16
2	4124	0.32
3	1833	0.48
4	1031	0.64
5	660	0.79

Optic Spot 3000K

*Casambi integrated

09.8111.WAACB
09.8111.DRACB

15° SPOT



Luminous flux luminaire 1299 lm

Beam Angle: 15°

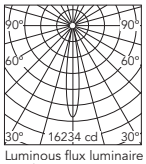
h(m)	E(lx)	D(m)
1	15160	0.27
2	3790	0.54
3	1684	0.81
4	947	1.09
5	606	1.36

Optic Spot 3500K

*Casambi integrated

09.8116.WAACB
09.8116.DRACB

15° SPOT



Luminous flux luminaire 1391 lm

Beam Angle: 15°

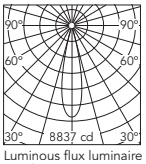
h(m)	E(lx)	D(m)
1	16234	0.27
2	4058	0.54
3	1804	0.81
4	1015	1.09
5	649	1.36

Optic Medium 3000K

*Casambi integrated

09.8112.WAACB
09.8112.DRACB

23° MEDIUM



Luminous flux luminaire 1266 lm

Beam Angle: 23°

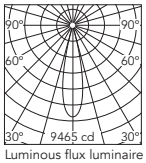
h(m)	E(lx)	D(m)
1	8837	0.41
2	2209	0.81
3	982	1.22
4	552	1.62
5	353	2.03

Optic Medium 3500K

*Casambi integrated

09.8117.WAACB
09.8117.DRACB

23° MEDIUM



Luminous flux luminaire 1356 lm

Beam Angle: 23°

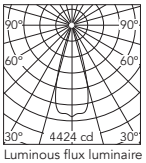
h(m)	E(lx)	D(m)
1	9465	0.41
2	2366	0.81
3	1052	1.22
4	592	1.62
5	379	2.03

Optic Flood 3000K

*Casambi integrated

09.8113.WAACB
09.8113.DRACB

34° FLOOD



Luminous flux luminaire 1310 lm

Beam Angle: 34°

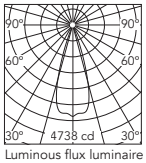
h(m)	E(lx)	D(m)
1	4424	0.61
2	1106	1.21
3	492	1.82
4	276	2.42
5	177	3.03

Optic Flood 3500K

*Casambi integrated

09.8118.WAACB
09.8118.DRACB

34° FLOOD



Luminous flux luminaire 1403 lm

Beam Angle: 34°

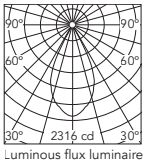
h(m)	E(lx)	D(m)
1	4738	0.61
2	1184	1.21
3	526	1.82
4	296	2.42
5	190	3.03

Optic Wide Flood 3000K

*Casambi integrated

09.8114.WAACB
09.8114.DRACB

50° WIDE FLOOD



Luminous flux luminaire 1280 lm

Beam Angle: 50°

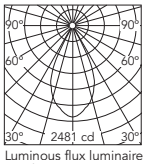
h(m)	E(lx)	D(m)
1	2316	0.94
2	579	1.89
3	257	2.83
4	145	3.77
5	93	4.72

Optic Wide Flood 3500K

*Casambi integrated

09.8119.WAACB
09.8119.DRACB

50° WIDE FLOOD



Luminous flux luminaire 1371 lm

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	2481	0.94
2	620	1.89
3	276	2.83
4	155	3.77
5	99	4.72

Accessories / Accesorios

Camera 60

Honeycomb
Honeycomb



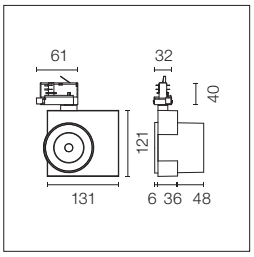
Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

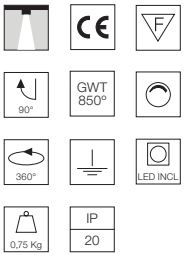
* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

Camera 90 - GA 69

Light Source: Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

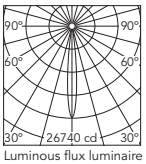
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Optic Super Spot 3000K

Non Dimmable
- 09.8210.WA
- 09.8210.DR

On Board Dimmer
- 09.8210.WA.PC
- 09.8210.DR.PC





Luminous flux luminaire 1275 lm

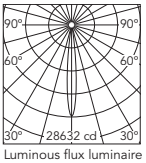
Beam Angle:		11°
h(m)	E(lx)	D(m)
1	26740	0.20
2	6685	0.39
3	2971	0.59
4	1671	0.78
5	1070	0.98

Optic Super Spot 3500K

Non Dimmable
- 09.8215.WA
- 09.8215.DR

On Board Dimmer
- 09.8215.WA.PC
- 09.8215.DR.PC





Luminous flux luminaire 1365 lm

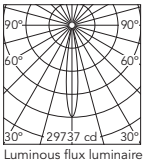
Beam Angle:		11°
h(m)	E(lx)	D(m)
1	28632	0.20
2	7158	0.39
3	3181	0.59
4	1789	0.78
5	1145	0.98

Optic Spot 3000K

Non Dimmable
- 09.8211.WA
- 09.8211.DR

On Board Dimmer
- 09.8211.WA.PC
- 09.8211.DR.PC





Luminous flux luminaire 2078 lm

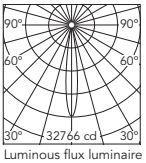
Beam Angle:		14°
h(m)	E(lx)	D(m)
1	29737	0.25
2	7434	0.49
3	3304	0.74
4	1859	0.99
5	1189	1.24

Optic Spot 3500K

Non Dimmable
- 09.8216.WA
- 09.8216.DR

On Board Dimmer
- 09.8216.WA.PC
- 09.8216.DR.PC





Luminous flux luminaire 2290 lm

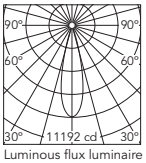
Beam Angle:		14°
h(m)	E(lx)	D(m)
1	32766	0.25
2	8192	0.49
3	3641	0.74
4	2048	0.99
5	1311	1.24

Optic Medium 3000K

Non Dimmable
- 09.8212.WA
- 09.8212.DR

On Board Dimmer
- 09.8212.WA.PC
- 09.8212.DR.PC





Luminous flux luminaire 2091 lm

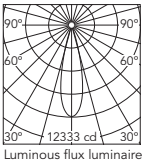
Beam Angle:		25°
h(m)	E(lx)	D(m)
1	11192	0.45
2	2798	0.90
3	1244	1.35
4	700	1.80
5	448	2.25

Optic Medium 3500K

Non Dimmable
- 09.8217.WA
- 09.8217.DR

On Board Dimmer
- 09.8217.WA.PC
- 09.8217.DR.PC





Luminous flux luminaire 2304 lm

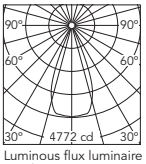
Beam Angle:		25°
h(m)	E(lx)	D(m)
1	12333	0.45
2	3083	0.90
3	1370	1.35
4	771	1.80
5	493	2.25

Optic Flood 3000K

Non Dimmable
- 09.8213.WA
- 09.8213.DR

On Board Dimmer
- 09.8213.WA.PC
- 09.8213.DR.PC





Luminous flux luminaire 2066 lm

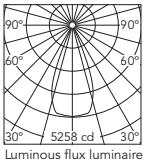
Beam Angle:		43°
h(m)	E(lx)	D(m)
1	4772	0.78
2	1193	1.56
3	530	2.34
4	298	3.12
5	191	3.90

Optic Flood 3500K

Non Dimmable
- 09.8218.WA
- 09.8218.DR

On Board Dimmer
- 09.8218.WA.PC
- 09.8218.DR.PC





Luminous flux luminaire 2276 lm

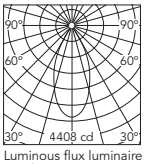
Beam Angle:		43°
h(m)	E(lx)	D(m)
1	5258	0.78
2	1315	1.56
3	584	2.34
4	329	3.12
5	210	3.90

Optic Wide Flood 3000K

Non Dimmable
- 09.8214.WA
- 09.8214.DR

On Board Dimmer
- 09.8214.WA.PC
- 09.8214.DR.PC





Luminous flux luminaire 2464 lm

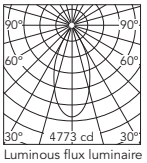
Beam Angle:		46°
h(m)	E(lx)	D(m)
1	4408	0.84
2	1101	1.68
3	490	2.52
4	276	3.36
5	177	4.19

Optic Wide Flood 3500K

Non Dimmable
- 09.8219.WA
- 09.8219.DR

On Board Dimmer
- 09.8219.WA.PC
- 09.8219.DR.PC





Luminous flux luminaire 2668 lm

Beam Angle:		46°
h(m)	E(lx)	D(m)
1	4773	0.84
2	1193	1.68
3	531	2.52
4	299	3.36
5	192	4.19

Accessories / Accesorios

Camera 90

Honeycomb
Honeycomb

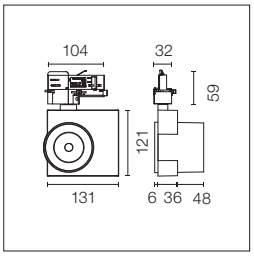


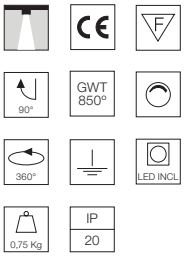
Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

Camera 90 - GA 600

Light Source: Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97







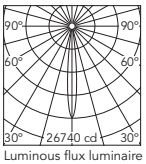
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
DALI version requires dimmable tracks (please refer to the “Tracks” chapter).

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Para la versión DALI necesita carriles dimmables (ver capítulo “Tracks”).

Optic Super Spot 3000K

Dali Version
09.8210.WA.DA
09.8210.DR.DA





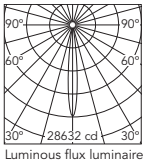
Luminous flux luminaire
1275 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 26740	0.20
2 6685	0.39
3 2971	0.59
4 1671	0.78
5 1070	0.98

Optic Super Spot 3500K

Dali Version
09.8215.WA.DA
09.8215.DR.DA





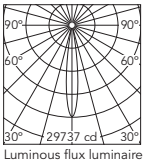
Luminous flux luminaire
1365 lm

Beam Angle:	11°
h(m) E(lx)	D(m)
1 28632	0.20
2 7158	0.39
3 3181	0.59
4 1789	0.78
5 1145	0.98

Optic Spot 3000K

Dali Version
09.8211.WA.DA
09.8211.DR.DA





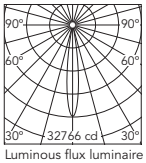
Luminous flux luminaire
2078 lm

Beam Angle:	14°
h(m) E(lx)	D(m)
1 29737	0.25
2 7434	0.49
3 3304	0.74
4 1859	0.99
5 1189	1.24

Optic Spot 3500K

Dali Version
09.8216.WA.DA
09.8216.DR.DA





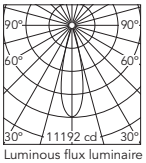
Luminous flux luminaire
2290 lm

Beam Angle:	14°
h(m) E(lx)	D(m)
1 32766	0.25
2 8192	0.49
3 3641	0.74
4 2048	0.99
5 1311	1.24

Optic Medium 3000K

Dali Version
09.8212.WA.DA
09.8212.DR.DA





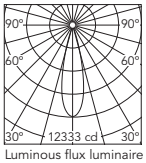
Luminous flux luminaire
2091 lm

Beam Angle:	25°
h(m) E(lx)	D(m)
1 11192	0.45
2 2798	0.90
3 1244	1.35
4 700	1.80
5 448	2.25

Optic Medium 3500K

Dali Version
09.8217.WA.DA
09.8217.DR.DA





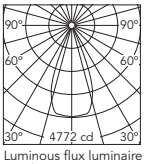
Luminous flux luminaire
2304 lm

Beam Angle:	25°
h(m) E(lx)	D(m)
1 12333	0.45
2 3083	0.90
3 1370	1.35
4 771	1.80
5 493	2.25

Optic Flood 3000K

Dali Version
09.8213.WA.DA
09.8213.DR.DA





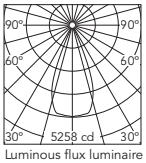
Luminous flux luminaire
2066 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 4772	0.78
2 1193	1.56
3 530	2.34
4 298	3.12
5 191	3.90

Optic Flood 3500K

Dali Version
09.8218.WA.DA
09.8218.DR.DA





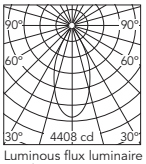
Luminous flux luminaire
2276 lm

Beam Angle:	43°
h(m) E(lx)	D(m)
1 5258	0.78
2 1315	1.56
3 584	2.34
4 329	3.12
5 210	3.90

Optic Wide Flood 3000K

Dali Version
09.8214.WA.DA
09.8214.DR.DA





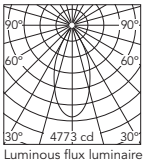
Luminous flux luminaire
2464 lm

Beam Angle:	46°
h(m) E(lx)	D(m)
1 4408	0.84
2 1101	1.68
3 490	2.52
4 276	3.36
5 177	4.19

Optic Wide Flood 3500K

Dali Version
09.8219.WA.DA
09.8219.DR.DA





Luminous flux luminaire
2668 lm

Beam Angle:	46°
h(m) E(lx)	D(m)
1 4773	0.84
2 1193	1.68
3 531	2.52
4 299	3.36
5 192	4.19

Accessories / Accesorios

Camera 90

Honeycomb
Honeycomb

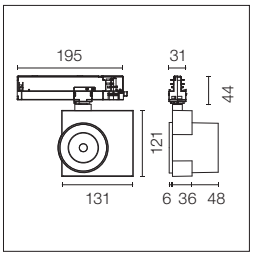


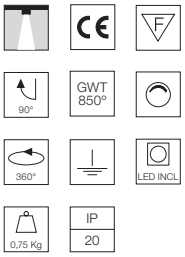
Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

Camera 90 - Casambi

Light Source: Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
Casambi, maximum distance between fixtures: 10m.

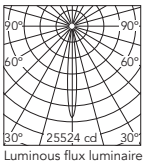
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
Casambi, distancia máxima entre luminarias: 10m.

Optic Super Spot 3000K

*Casambi integrated

☐ 09.8210.WAACB
■ 09.8210.DRACB

11° SUPER SPOT



Luminous flux luminaire 1217 lm

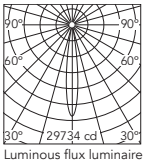
Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	25524	0.20
2	6381	0.39
3	2836	0.59
4	1595	0.78
5	1021	0.98

Optic Spot 3000K

*Casambi integrated

☐ 09.8211.WAACB
■ 09.8211.DRACB

14° SPOT



Luminous flux luminaire 2078 lm

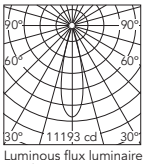
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	29734	0.25
2	7433	0.49
3	3304	0.74
4	1858	0.99
5	1189	1.24

Optic Medium 3000K

*Casambi integrated

☐ 09.8212.WAACB
■ 09.8212.DRACB

25° MEDIUM



Luminous flux luminaire 2091 lm

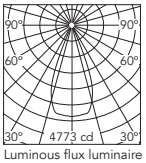
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	11193	0.45
2	2798	0.90
3	1244	1.35
4	700	1.80
5	448	2.25

Optic Flood 3000K

*Casambi integrated

☐ 09.8213.WAACB
■ 09.8213.DRACB

43° FLOOD



Luminous flux luminaire 2066 lm

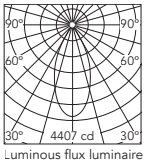
Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	4773	0.78
2	1193	1.56
3	530	2.34
4	298	3.12
5	191	3.90

Optic Wide Flood 3000K

*Casambi integrated

☐ 09.8214.WAACB
■ 09.8214.DRACB

46° WIDE FLOOD



Luminous flux luminaire 2464 lm

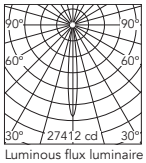
Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	4407	0.84
2	1102	1.68
3	490	2.52
4	275	3.36
5	176	4.19

Optic Super Spot 3500K

*Casambi integrated

☐ 09.8215.WAACB
■ 09.8215.DRACB

11° SUPER SPOT



Luminous flux luminaire 1307 lm

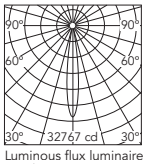
Beam Angle:	11°	
h(m)	E(lx)	D(m)
1	27412	0.20
2	6853	0.39
3	3046	0.59
4	1713	0.78
5	1096	0.98

Optic Spot 3500K

*Casambi integrated

☐ 09.8216.WAACB
■ 09.8216.DRACB

14° SPOT



Luminous flux luminaire 2290 lm

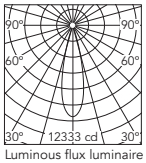
Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	32767	0.25
2	8192	0.49
3	3641	0.74
4	2048	0.99
5	1311	1.24

Optic Medium 3500K

*Casambi integrated

☐ 09.8217.WAACB
■ 09.8217.DRACB

25° MEDIUM



Luminous flux luminaire 2304 lm

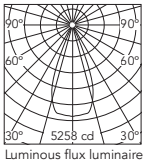
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	12333	0.45
2	3083	0.90
3	1370	1.35
4	771	1.80
5	493	2.25

Optic Flood 3500K

*Casambi integrated

☐ 09.8218.WAACB
■ 09.8218.DRACB

43° FLOOD



Luminous flux luminaire 2276 lm

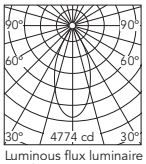
Beam Angle:	43°	
h(m)	E(lx)	D(m)
1	5258	0.78
2	1314	1.56
3	584	2.34
4	329	3.12
5	210	3.90

Optic Wide Flood 3500K

*Casambi integrated

☐ 09.8219.WAACB
■ 09.8219.DRACB

46° WIDE FLOOD



Luminous flux luminaire 2669 lm

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	4774	0.84
2	1194	1.68
3	530	2.52
4	298	3.36
5	191	4.19

Accessories / Accesorios

Camera 90

Honeycomb
Honeycomb



Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

* The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

FIND ME

DESIGNED BY JORGE HERRERA

FIND ME 0
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
3,5W
300 lm
2700K/CRI 90
325 lm
3000K/CRI 90

FIND ME 1
TRIM / NO TRIM



FIND ME 1
SUSPENSION



LIGHT SOURCE
POWER LED
6W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

FIND ME 2
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
10W
860 lm
2700K/CRI 90
900 lm
3000K/CRI 90

FIND ME 3
TRACK



LIGHT SOURCE
LED ARRAY
25,8W
3298 lm
2700K/CRI 97
3523 lm
3000K/CRI 97

30 White
30 Blanco

14 Black
14 Negro

06 Chrome
06 Cromo

Mono Point



Track



Suspension



Screening Cylinder Colours (included)
Colores del Cilindro Apantallador (incluidos)

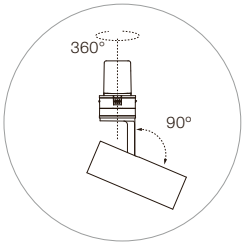
Orange
Naranja

Black
Negro

Violet
Violeta



Can be rotated 360° and swivelled 90°.
Puede ser rotado 360° y orientado 90°.



reddot design award
winner 2013

Description
Spotlight family for indoor use, easy to mount on plasterboard ceilings and tracks. The luminaire is available in the Mono Point, Track and Suspension versions.
The Mono Point version is supplied with a recessed cylindrical frame which houses the lighting module. This lighting module can be placed in its upper position, functioning as a downlight, or in its lower position, becoming an adjustable spotlight.
The Mono Point version is supplied with a frame, installable fitted to the product if a Trim version is required, or not fitted if a No Trim version is required.
The Suspension version is a variant of the Mono Point version. Its main feature is its suspended mounting.
The Track version is supplied with an adapter for being used on three-phase tracks.

Reflectors
The models for installation in plasterboard ceilings are supplied with accent lighting optics. The track version is available in Spot, Medium and Flood optics.

Power Supply
For plasterboard ceiling installation versions, the product is supplied prewired, ready to be connected to a remote power supply (not included) installed in an accessible location or to be passed through the ceiling cut-out:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Accessories
The Suspension version comes with an anti-glare cylinder in 3 colors: orange, violet or black, which are interchangeable between them and incorporated into the light fixture. For Find Me 1 and 2: professional accessories included.

Additional Information
Adjustment system allowing 360° rotation on the vertical axis and 90° rotation on the horizontal axis.
IP20 protection rating.
Class III insulation for the Mono Point and Suspension versions, and class II insulation for the Track version.
The combination of models Find Me 3 and Find Me 0/1/2 can lead to small differences in chromaticity in the light. It is recommended not to combine the Find Me 3 model with the Find Me 0/1/2 in shared spaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
The luminaire complies with the EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Familia de proyectores de interiores con una fácil instalación en carril y en techos de cartón yeso. La luminaria está disponible en las versiones: Mono Point, Track y Suspension.
La versión Mono Point se suministra con un marco cilíndrico empotrable sobre el que se instala el módulo de iluminación. Dicho módulo de iluminación puede colocarse en su posición superior, funcionando como un donwlight, o en su posición inferior, convirtiéndose en un proyector orientable.
La versión Mono Point se suministra con un marco, aplicable al producto en caso de desear versión Trim, o no instalable en caso de desear versión No Trim.
La versión Suspension es una variante de la versión Mono Point. Su principal característica es su instalación mediante suspensión.
La versión Track se suministra con un adaptador para su uso en carriles trifásicos.

Reflectores
Los modelos de instalación en techos de cartón yeso se suministran en óptica accent lighting. La versión para carril se ofrece en ópticas Spot, Medium y Flood.

Unidades de Alimentación
En las versiones con instalación en techos de cartón yeso, el producto se suministra precableado para ser conectado a una fuente de alimentación remota (no incluida) instalada en un lugar accesible o que pase a través del agujero de empotramiento:
Find Me 0: 50 mm.
Find Me 1: 62 mm.
Find Me 2: 70 mm.

Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (Drivers).

Accesorios
La versión Suspension dispone de cilindro apantallador en 3 colores: naranja, violeta o negro, intercambiables entre sí, incluidos dentro de la luminaria. Para el Find Me 1 y 2: accesorios profesionales incluidos.

Información Adicional
Sistema de orientación que permite la rotación 360° en el eje vertical y 90º en el eje horizontal.
Índice de protección IP20.
Clase de aislamiento III, para las versiones Mono Point y Suspension y clase de aislamiento II, para la versión Track.
La combinación de modelos Find Me 3 y Find Me 0/1/2 puede acarrear pequeñas diferencias de cromaticidad en la luz. Se recomienda no combinar el modelo Find Me 3 con el Find Me 0/1/2 en espacios compartidos.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Suspension Surface

Suspension Recessed

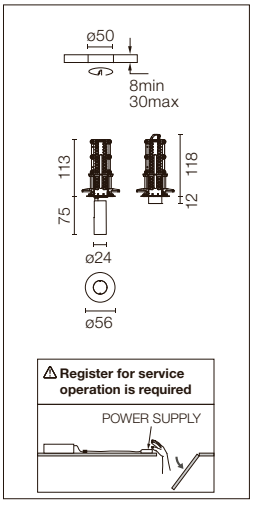
Mono Point No Trim

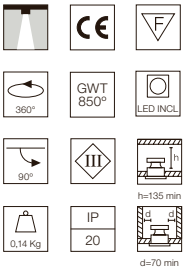
Mono Point Trim

Find Me 0 (Trim / No Trim)

Light Source: Power LED DC 250 mA - 3W - 300 lm - 2700K/CRI 90 / 3W - 325 lm - 3000K/CRI 90







Recessed adjustable luminaire for indoor application. Remote power supply 250 mA not included. Accessories included (honeycomb and screening crosspiece). Remote power supply to be installed in an accessible place. It is not recommended to use dimmable drivers of several brands due to the specific dimming curves of each brand.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota 250 mA no incluida. Accesorios incluidos (honeycomb y cruceta de apantallamiento). Fuente de alimentación remota para ser instalada en un lugar accesible. No se recomienda utilizar drivers regulables de diferentes marcas por tener curvas de regulación particulares.

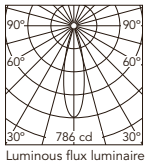
Recommended power supply and number of luminaires per driver (L)* / Equipos recomendados y número de luminarias por driver (L)*:

1/2/3L* Non Dimmable 100-240V	60.9744
1/2/3L* Non Dimmable 220-240V	60.9160
1/2/3L* Dimmable Dali 2 220-240V	60.9601
1/2/3L* Dimmable 0-10V 220-240V	60.9405
2/3L* Mains Dimming 220-240V	60.9421
Casambi	60.9392 + 0-10V/Dali driver

Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3781.30A
09.3781.06A
09.3781.14A





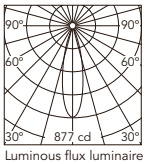
Luminous flux luminaire
170 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	786	0.45
2	197	0.91
3	87	1.36
4	49	1.82
5	31	2.27

3000K
09.3780.30A
09.3780.06A
09.3780.14A





Luminous flux luminaire
189 lm (EXTREME CUT OFF)

Beam Angle: 26°

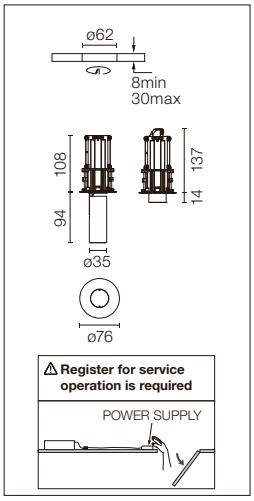
h(m)	E(lx)	D(m)
1	877	0.45
2	219	0.91
3	97	1.36
4	55	1.82
5	35	2.27

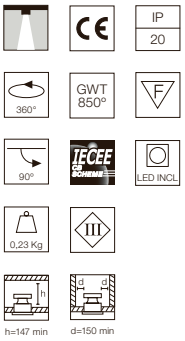
Find Me 1 (Trim / No Trim)

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90









Recessed adjustable luminaire for indoor application. Remote power supply 500 mA not included. Accessories included (honeycomb and screening crosspiece). Remote power supply to be installed in an accessible place.

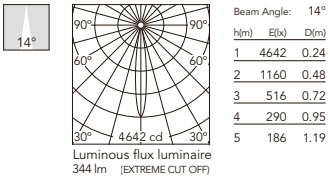
Luminaria empotrada de interiores orientable. Fuente de alimentación remota 500 mA no incluida. Accesorios incluidos (honeycomb y cruceta de apantallamiento). Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Non Dimmable 110-240V	60.8880
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9411
Dimmable 0/1-10V&Push 110/240V	60.9188
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3751.30A
09.3751.06A
09.3751.14A

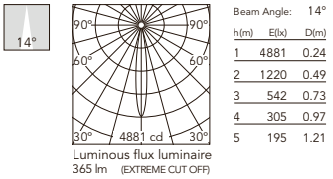


Luminous flux luminaire
344 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
09.3750.30A
09.3750.06A
09.3750.14A

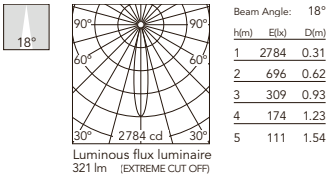


Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

2700K
09.3756.30A
09.3756.06A
09.3756.14A

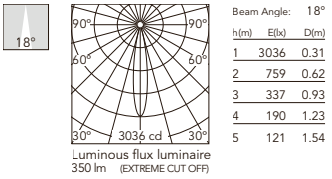


Luminous flux luminaire
321 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2784	0.31
2	696	0.62
3	309	0.93
4	174	1.23
5	111	1.54

3000K
09.3755.30A
09.3755.06A
09.3755.14A



Luminous flux luminaire
350 lm (EXTREME CUT OFF)

Beam Angle: 18°

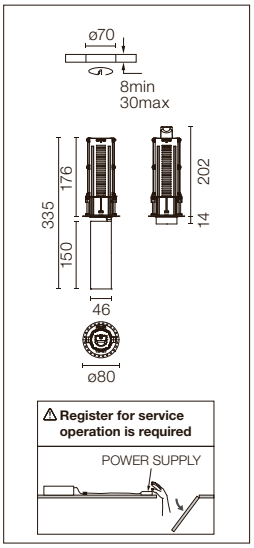
h(m)	E(lx)	D(m)
1	3036	0.31
2	759	0.62
3	337	0.93
4	190	1.23
5	121	1.54

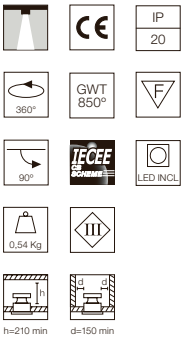
Find Me 2 (Trim / No Trim)

Light Source: Power LED DC max 850 mA - 10W - 915 Lm - 2700K/CRI 90 / 10W - 960 lm - 3000K/CRI 90









Recessed adjustable luminaire for indoor application. Remote power supply not included.
Accessories included (honeycomb and screening crosspiece).
Remote power supply to be installed in an accessible place.

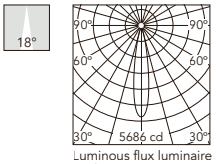
Luminaria empotrada de interiores orientable. Fuente de alimentación remota no incluida.
Accesorios incluidos (honeycomb y cruceta de apantallamiento).
Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable MC 110-240V	60.8911
Non Dimmable MC 220-240V	60.7677
Non Dimmable 700mA 110-240V	60.8529A
Dimmable Dali 1 220-240V	60.7678
Mains Dimming	60.9467
Dim 1-10V/Dim Dali/Push MC 110-240V	60.8530
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3707.30C
09.3707.06C
09.3707.14C

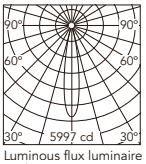


Luminous flux luminaire
693 lm (EXTREME CUT OFF)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	5686	0.32
2	1421	0.64
3	632	0.96
4	355	1.28
5	227	1.60

3000K
09.3708.30C
09.3708.06C
09.3708.14C



Luminous flux luminaire
731 lm (EXTREME CUT OFF)

Beam Angle: 18°

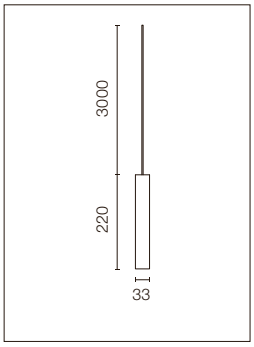
h(m)	E(lx)	D(m)
1	5997	0.32
2	1499	0.64
3	666	0.96
4	375	1.28
5	240	1.60

	2700K		3000K	
Driver current (mA)	**Luminous flux (lm)**	**Power (W)**	**Luminous flux (lm)**	**Power (W)**
850	915	10	960	10
800	870	9	916	9
750	825	8,5	870	8,5
700	775	8	825	8

Find Me 1 Suspension

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90







Suspended ceiling-mounted luminaire. The product includes interchangeable shield cylinder in different colours (orange, violet and black). Remote power supply 500 mA not included.

Luminaria para ser instalada a techo mediante suspensión. El producto incluye cilindro apantallador intercambiable de distintos colores (naranja, violeta y negro). Fuente de alimentación remota 500 mA no incluida.

Recommended power supply / Equipos recomendados*:

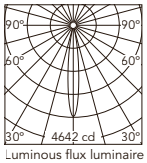
Non Dimmable 220-240V	60.9160
Non Dimmable 110-240V	60.8880
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9411
Dimmable 0/1-10V&Push 110/240V	60.9188
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

09.3711.30C
09.3711.06C
09.3711.14C





Luminous flux luminaire
344 lm (EXTREME CUT OFF)

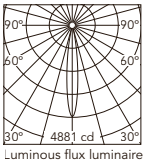
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K

09.3710.30C
09.3710.06C
09.3710.14C





Luminous flux luminaire
365 lm (EXTREME CUT OFF)

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

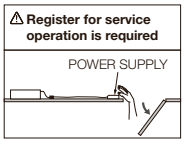
Accessories / Accesorios

Recessed power supply rose.

Rosetón de alimentación empotrado.

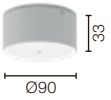


08.8782.30



Surface power supply rose. Non dimmable power supply included.

Rosetón de alimentación de superficie. Fuente de alimentación no dimable incluida.

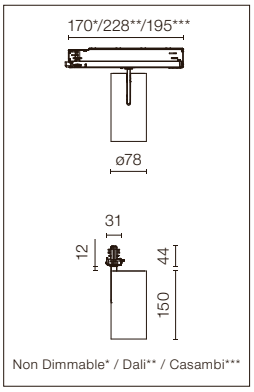


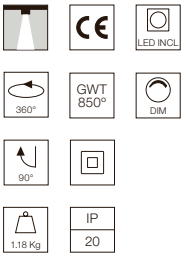
08.8783.30
08.8783.06
08.8783.14

Find Me 3 Track

Light Source: Led Array max 850 mA - 25,8W - 3298 lm - 2700K/CRI 97 / 25,8W - 3523 lm - 3000K/CRI 97







Luminaire to be installed in three-phase track. Three opening angles options (Spot, Medium and Flood). DALI and Casambi dimming systems.

Luminaria para ser instalada en carril trifásico. Tres opciones de apertura de ángulo (Spot, Medium y Flood). Sistemas de regulación DALI y Casambi.

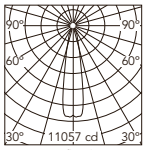
2700K
Spot

Non Dimmable
- 09.3603.40
- 09.3603.14A

Dali Version
- 09.3603.40.DA
- 09.3603.14.DA

Casambi
- 09.3603.40ACB
- 09.3603.14ACB





Luminous flux luminaire
2469 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11037	0.38
2	2759	0.76
3	1226	1.14
4	690	1.52
5	441	1.90

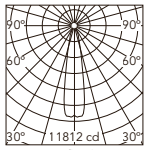
3000K
Spot

Non Dimmable
- 09.3600.40
- 09.3600.14A

Dali Version
- 09.3600.40.DA
- 09.3600.14.DA

Casambi
- 09.3600.40ACB
- 09.3600.14ACB





Luminous flux luminaire
2637 lm (EXTREME CUT OFF)

Beam Angle: 22°

h(m)	E(lx)	D(m)
1	11790	0.38
2	2948	0.76
3	1310	1.14
4	737	1.52
5	472	1.90

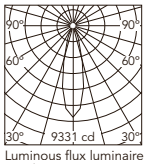
Medium

Non Dimmable
- 09.3604.40
- 09.3604.14A

Dali Version
- 09.3604.40.DA
- 09.3604.14.DA

Casambi
- 09.3604.40ACB
- 09.3604.14ACB





Luminous flux luminaire
2575 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	9331	0.46
2	2333	0.92
3	1037	1.39
4	583	1.85
5	373	2.31

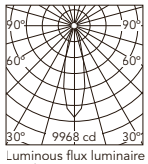
Medium

Non Dimmable
- 09.3601.40
- 09.3601.14A

Dali Version
- 09.3601.40.DA
- 09.3601.14.DA

Casambi
- 09.3601.40ACB
- 09.3601.14ACB





Luminous flux luminaire
2751 lm (EXTREME CUT OFF)

Beam Angle: 26°

h(m)	E(lx)	D(m)
1	9968	0.46
2	2492	0.92
3	1108	1.39
4	623	1.85
5	399	2.31

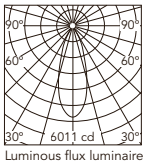
Flood

Non Dimmable
- 09.3605.40
- 09.3605.14A

Dali Version
- 09.3605.40.DA
- 09.3605.14.DA

Casambi
- 09.3605.40ACB
- 09.3605.14ACB





Luminous flux luminaire
2449 lm (EXTREME CUT OFF)

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	6011	0.63
2	1503	1.25
3	668	1.88
4	376	2.51
5	240	3.14

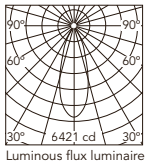
Flood

Non Dimmable
- 09.3602.40
- 09.3602.14A

Dali Version
- 09.3602.40.DA
- 09.3602.14.DA

Casambi
- 09.3602.40ACB
- 09.3602.14ACB





Luminous flux luminaire
2616 lm (EXTREME CUT OFF)

Beam Angle: 35°

h(m)	E(lx)	D(m)
1	6421	0.63
2	1605	1.25
3	713	1.88
4	401	2.51
5	257	3.14

UT SPOT
CEILING
Ø57



LIGHT SOURCE
LED ARRAY
23,5W
2400 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT
CEILING
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT
TRACK
Ø57



LIGHT SOURCE
LED ARRAY
23,5W
2500 lm
3000K/CRI 80
2000 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT
TRACK
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT
TRACK
WALL-WASHER
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT SPOT
TRACK
Ø57



LIGHT SOURCE
LED ARRAY
23,5W
2500 lm
3000K/CRI 80
2000 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT SPOT
TRACK
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3770 lm
3000K/CRI 80
3116 lm
3000K/CRI 90
3246 lm
4000K/CRI 90

UT SPOT
TRACK
MULTICHIP
Ø86



LIGHT SOURCE
TOP LED
11,5W
850 lm
3000K/CRI 90
950 lm
3000K/CRI 80
1000 lm
4000K/CRI 80

UT SPOT
TRACK
WALL-WASHER
Ø86



LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
33W
3960 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3500 lm
4000K/CRI 90

UT PRO
150 GA-69



LIGHT SOURCE
LED ARRAY
21W
2524 lm
3000K/CRI 80
2183 lm
3000K/CRI 90
2360 lm
4000K/CRI 90

UT PRO
175 GA-69



LIGHT SOURCE
LED ARRAY
46,5W
4740 lm
3000K/CRI 80
3960 lm
3000K/CRI 90
4278 lm
4000K/CRI 90

UT PRO
175 LENS
GA-69



LIGHT SOURCE
LED ARRAY
35,3W
3950 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3400 lm
4000K/CRI 90

UT PRO
WALL-WASHER
GA-69



LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

☐ 30 White
30 Blanco

■ 14 Black
14 Negro





☐ 30 White
30 Blanco

■ 14 Black
14 Negro

☐ 30.78 All White
30.78 All White













UT PRO
150



UT PRO
175



UT PRO
175 LENS



UT PRO
WALL-WASHER



* Refer to The Tracking Power chapter / Ver capítulo The Tracking Power

Description
A luminaire for indoor use to be mounted on three phase track or on ceilings, available in LED technology light sources and in DALI and non-DIM versions.
The family is available in various models / sizes (Ø57 Ø75 and Ø86 and Rectagular WW) and two mounting options are available: Track (complete installation flexibility) and Ceiling (independent installation).
The luminaire offers the Multichip variant (to obtain opening angles *Super Spot*) and the cylindrical Wall-Washer (only Ø86 version).
The optical housing of the luminaire is manufactured in high-pressure injected aluminium, with white or black finishes.
Remote driver included in ceiling versions.
Also available UT Downlight (see Downlights catalogue section).

Power Supply
Not dimmable or dimmable Dali 220-240V, constant current, power supply included.
Includes a on board potentiometer in the track with box version. Versions with a on board adapter do not include a potentiometer.

Light Source
Possibility to integrate a different type of LED upon request. For more information, please contact our team.

Accessories
- Screening crosspiece, elliptical lens, flood lens and honeycomb.
- Support ring (UT Spot ø86).

Additional Information
Suitable for installation on normally inflammable surfaces.
FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS. Compatibility is guaranteed with three-phase track produced by Nordic Aluminium. Compatibility with Eutrac under request. To verify compatibility with any other track, please contact FLOS before installation.
FLOS three-phase DALI track luminaires are designed for Pulse DALI from Nordic Aluminium.
- UT Spot ø86 (Track / Ceiling):
The LED modules installed on the LED Array versions have cutting-edge technology that permit a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters, yet still offer 20% added luminous flux.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de interior para ser instalada a carril trifásico o sobre techos, disponible con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No DIM.
La familia está disponible en varios modelos / tamaños (Ø57 Ø 75 y Ø86 y Rectagular WW) y se ofrece en dos opciones de montaje: Track (flexibilidad de instalación total), Ceiling (instalación independiente).
Esta luminaria ofrece variatnes Multichip (para logar ángulos de apertura *Super Spot*) y Wall-Washer de formato cilíndrico (solo versión Ø86).
El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Las luminarias a techo incluyen equipo de alimentación remoto.
También disponible UT Downlight (ver la sección Downlights del catálogo).

Unidades de Alimentación
Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida.
Con potenciómetro incorporado en la versión track con caja. Las versiones con adaptador integrado no disponen de potenciómetro.

Fuente de luz
Posibilidad de integrar otro tipo de LED bajo demanda. Para más información, no dude en contactar con nuestro equipo.

Accesorios
- Disponibles cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.
- Aro soporte (UT Spot ø86).

Información Adicional
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium. Compatibilidad con Eutrac bajo pedido. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.
Las luminarias de FLOS a carril trifásico DALI están diseñadas para Pulse DALI de Nordic Aluminium.
- UT Spot ø86 (Track / Ceiling):
Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

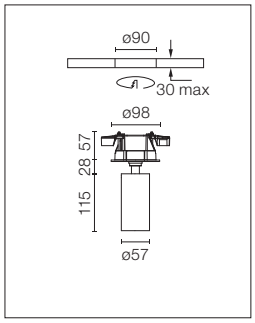
UT Spot Ceiling

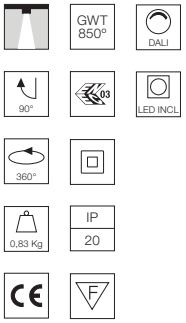
UT Spot Track

Ut Spot Ceiling Ø57

Light Source: LED Array 23,5W - 2400 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90







Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

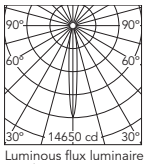
Non Dimmable

09.4460.30A
09.4460.14A

Dali Version

09.4460.30ADA
09.4460.14ADA

10° SPOT



Luminous flux luminaire 1255 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14650	0.18
2	3662	0.36
3	1628	0.54
4	916	0.72
5	586	0.90

4000K - CRI 90

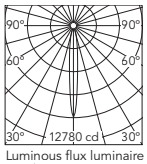
Non Dimmable

09.4470.30A
09.4470.14A

Dali Version

09.4470.30ADA
09.4470.14ADA

10° SPOT



Luminous flux luminaire 1094 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	12780	0.18
2	3195	0.36
3	1420	0.54
4	799	0.72
5	511	0.90

3000K - CRI 90

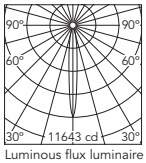
Non Dimmable

09.4463.30A
09.4463.14A

Dali Version

09.4463.30ADA
09.4463.14ADA

10° SPOT



Luminous flux luminaire 997 lm

Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11643	0.18
2	2911	0.36
3	1294	0.54
4	728	0.72
5	466	0.90

3000K - CRI 80

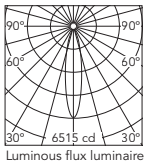
Non Dimmable

09.4461.30A
09.4461.14A

Dali Version

09.4461.30ADA
09.4461.14ADA

21° MEDIUM



Luminous flux luminaire 1184 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6515	0.37
2	1629	0.73
3	724	1.10
4	407	1.47
5	261	1.83

4000K - CRI 90

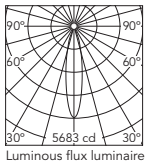
Non Dimmable

09.4471.30A
09.4471.14A

Dali Version

09.4471.30ADA
09.4471.14ADA

21° MEDIUM



Luminous flux luminaire 1033 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5683	0.37
2	1421	0.73
3	631	1.10
4	355	1.47
5	227	1.83

3000K - CRI 90

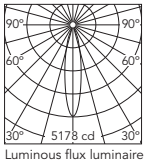
Non Dimmable

09.4464.30A
09.4464.14A

Dali Version

09.4464.30ADA
09.4464.14ADA

21° MEDIUM



Luminous flux luminaire 941 lm

Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5178	0.37
2	1294	0.73
3	575	1.10
4	324	1.47
5	207	1.83

3000K - CRI 80

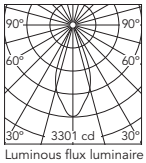
Non Dimmable

09.4462.30A
09.4462.14A

Dali Version

09.4462.30ADA
09.4462.14ADA

42° FLOOD



Luminous flux luminaire 1394 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	3301	0.76
2	825	1.52
3	367	2.28
4	206	3.05
5	132	3.81

4000K - CRI 90

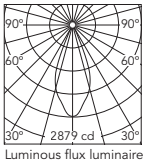
Non Dimmable

09.4472.30A
09.4472.14A

Dali Version

09.4472.30ADA
09.4472.14ADA

42° FLOOD



Luminous flux luminaire 1216 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

3000K - CRI 90

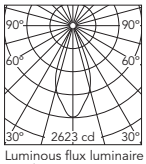
Non Dimmable

09.4465.30A
09.4465.14A

Dali Version

09.4465.30ADA
09.4465.14ADA

42° FLOOD



Luminous flux luminaire 1108 lm

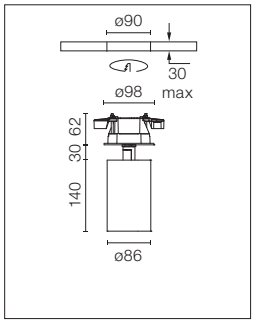
Beam Angle: 42°

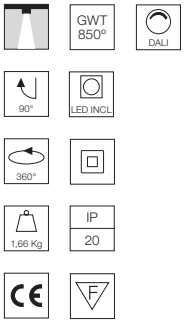
h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

Ut Spot Ceiling Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90







Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

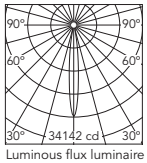
Non Dimmable

☐ 09.4860.30A
■ 09.4860.14A

Dali Version

☐ 09.4860.30BDA
■ 09.4860.14BDA

12° SPOT



Luminous flux luminaire 2650 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

4000K - CRI 90

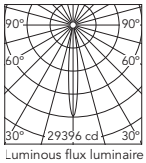
Non Dimmable

☐ 09.4870.30A
■ 09.4870.14A

Dali Version

☐ 09.4870.30BDA
■ 09.4870.14BDA

12° SPOT



Luminous flux luminaire 2281 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 90

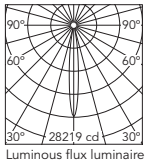
Non Dimmable

☐ 09.4863.30A
■ 09.4863.14A

Dali Version

☐ 09.4863.30BDA
■ 09.4863.14BDA

12° SPOT



Luminous flux luminaire 2190 lm

Beam Angle: 12°

h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

3000K - CRI 80

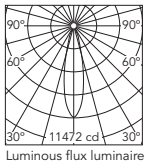
Non Dimmable

☐ 09.4861.30A
■ 09.4861.14A

Dali Version

☐ 09.4861.30BDA
■ 09.4861.14BDA

24° MEDIUM



Luminous flux luminaire 2528 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

4000K - CRI 90

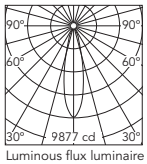
Non Dimmable

☐ 09.4871.30A
■ 09.4871.14A

Dali Version

☐ 09.4871.30BDA
■ 09.4871.14BDA

24° MEDIUM



Luminous flux luminaire 2176 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 90

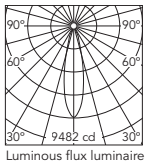
Non Dimmable

☐ 09.4864.30A
■ 09.4864.14A

Dali Version

☐ 09.4864.30BDA
■ 09.4864.14BDA

24° MEDIUM



Luminous flux luminaire 2089 lm

Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

3000K - CRI 80

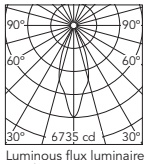
Non Dimmable

☐ 09.4862.30A
■ 09.4862.14A

Dali Version

☐ 09.4862.30BDA
■ 09.4862.14BDA

37° FLOOD



Luminous flux luminaire 2408 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

4000K - CRI 90

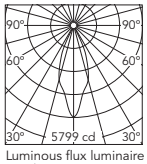
Non Dimmable

☐ 09.4872.30A
■ 09.4872.14A

Dali Version

☐ 09.4872.30BDA
■ 09.4872.14BDA

37° FLOOD



Luminous flux luminaire 2074 lm

Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

3000K - CRI 90

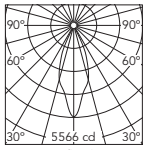
Non Dimmable

☐ 09.4865.30A
■ 09.4865.14A

Dali Version

☐ 09.4865.30BDA
■ 09.4865.14BDA

37° FLOOD



Luminous flux luminaire 1991 lm

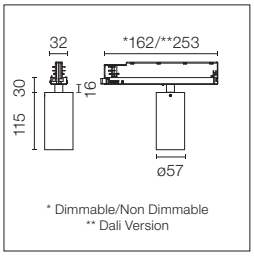
Beam Angle: 37°

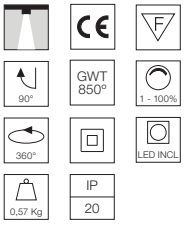
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

Ut Spot Track Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2000 lm - 3000K/CRI 90 / 23,5W- 2150 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the “All white” versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80

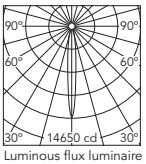
Non Dimmable
- 09.7700.30A
- 09.7700.14A

Non Dimmable All White
- 09.7700.30A78

Dali 2
- 09.7700.30ADA
- 09.7700.14ADA

Dali 2 All White
- 09.7700.30AYU

10° SPOT



Luminous flux luminaire 1255 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 14650	0.18
2 3662	0.36
3 1628	0.54
4 916	0.72
5 586	0.90

3000K - CRI 90

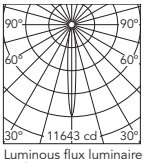
Non Dimmable
- 09.7706.30A
- 09.7706.14A

Non Dimmable All White
- 09.7706.30A78

Dali 2
- 09.7706.30ADA
- 09.7706.14ADA

Dali 2 All White
- 09.7706.30AYU

10° SPOT



Luminous flux luminaire 997 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 11643	0.18
2 2911	0.36
3 1294	0.54
4 728	0.72
5 466	0.90

4000K - CRI 90

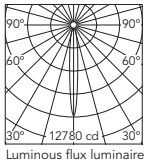
Non Dimmable
- 09.7701.30A
- 09.7701.14A

Non Dimmable All White
- 09.7701.30A78

Dali 2
- 09.7701.30ADA
- 09.7701.14ADA

Dali 2 All White
- 09.7701.30AYU

10° SPOT



Luminous flux luminaire 1094 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 12780	0.18
2 3195	0.36
3 1420	0.54
4 799	0.72
5 511	0.90

3000K - CRI 80

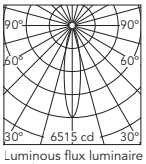
Non Dimmable
- 09.7702.30A
- 09.7702.14A

Non Dimmable All White
- 09.7702.30A78

Dali 2
- 09.7702.30ADA
- 09.7702.14ADA

Dali 2 All White
- 09.7702.30AYU

21° MEDIUM



Luminous flux luminaire 1184 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 6515	0.37
2 1629	0.73
3 724	1.10
4 407	1.47
5 261	1.83

3000K - CRI 90

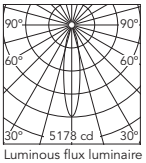
Non Dimmable
- 09.7707.30A
- 09.7707.14A

Non Dimmable All White
- 09.7707.30A78

Dali 2
- 09.7707.30ADA
- 09.7707.14ADA

Dali 2 All White
- 09.7707.30AYU

21° MEDIUM



Luminous flux luminaire 941 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5178	0.37
2 1294	0.73
3 575	1.10
4 324	1.47
5 207	1.83

4000K - CRI 90

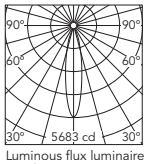
Non Dimmable
- 09.7703.30A
- 09.7703.14A

Non Dimmable All White
- 09.7703.30A78

Dali 2
- 09.7703.30ADA
- 09.7703.14ADA

Dali 2 All White
- 09.7703.30AYU

21° MEDIUM



Luminous flux luminaire 1033 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5683	0.37
2 1421	0.73
3 631	1.10
4 355	1.47
5 227	1.83

3000K - CRI 80

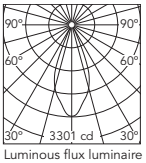
Non Dimmable
- 09.7704.30A
- 09.7704.14A

Non Dimmable All White
- 09.7704.30A78

Dali 2
- 09.7704.30ADA
- 09.7704.14ADA

Dali 2 All White
- 09.7704.30AYU

42° FLOOD



Luminous flux luminaire 1394 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 3301	0.76
2 825	1.52
3 367	2.28
4 206	3.05
5 132	3.81

3000K - CRI 90

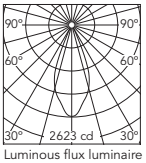
Non Dimmable
- 09.7708.30A
- 09.7708.14A

Non Dimmable All White
- 09.7708.30A78

Dali 2
- 09.7708.30ADA
- 09.7708.14ADA

Dali 2 All White
- 09.7708.30AYU

42° FLOOD



Luminous flux luminaire 1108 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 2623	0.76
2 656	1.52
3 291	2.28
4 164	3.05
5 105	3.81

4000K - CRI 90

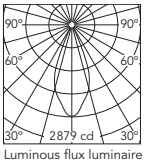
Non Dimmable
- 09.7705.30A
- 09.7705.14A

Non Dimmable All White
- 09.7705.30A78

Dali 2
- 09.7705.30ADA
- 09.7705.14ADA

Dali 2 All White
- 09.7705.30AYU

42° FLOOD



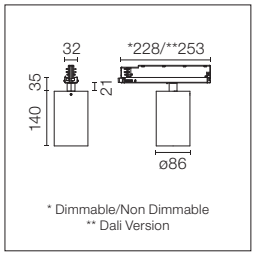
Luminous flux luminaire 1216 lm

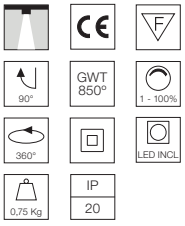
Beam Angle:	42°
h(m) E(lx)	D(m)
1 2879	0.76
2 720	1.52
3 320	2.28
4 180	3.05
5 115	3.81

Ut Spot Track Ø86

Light Source: LED Array High Performances 33W - 3770 lm - 3000K/CRI 80 / 33W - 3116 lm - 3000K/CRI 90 / 33W - 3246 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the “All white” versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80

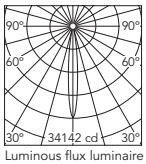
Non Dimmable
- ☐ 09.7750.30A
- ■ 09.7750.14B

Non Dimmable All White
- ☐ 09.7750.30A78

Dali 2
- ☐ 09.7750.30ADA
- ■ 09.7750.14ADA

Dali 2 All White
- ☐ 09.7750.30AYU

12° SPOT



Luminous flux luminaire 2650 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

3000K - CRI 90

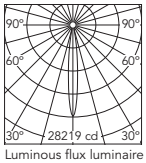
Non Dimmable
- ☐ 09.7756.30A
- ■ 09.7756.14B

Non Dimmable All White
- ☐ 09.7756.30A78

Dali 2
- ☐ 09.7756.30ADA
- ■ 09.7756.14ADA

Dali 2 All White
- ☐ 09.7756.30AYU

12° SPOT



Luminous flux luminaire 2190 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

4000K - CRI 90

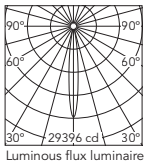
Non Dimmable
- ☐ 09.7751.30A
- ■ 09.7751.14B

Non Dimmable All White
- ☐ 09.7751.30A78

Dali 2
- ☐ 09.7751.30ADA
- ■ 09.7751.14ADA

Dali 2 All White
- ☐ 09.7751.30AYU

12° SPOT



Luminous flux luminaire 2281 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 80

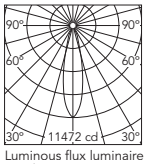
Non Dimmable
- ☐ 09.7752.30A
- ■ 09.7752.14B

Non Dimmable All White
- ☐ 09.7752.30A78

Dali 2
- ☐ 09.7752.30ADA
- ■ 09.7752.14ADA

Dali 2 All White
- ☐ 09.7752.30AYU

24° MEDIUM



Luminous flux luminaire 2528 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

3000K - CRI 90

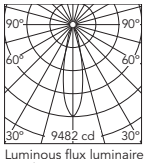
Non Dimmable
- ☐ 09.7757.30A
- ■ 09.7757.14B

Non Dimmable All White
- ☐ 09.7757.30A78

Dali 2
- ☐ 09.7757.30ADA
- ■ 09.7757.14ADA

Dali 2 All White
- ☐ 09.7757.30AYU

24° MEDIUM



Luminous flux luminaire 2089 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

4000K - CRI 90

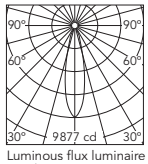
Non Dimmable
- ☐ 09.7753.30A
- ■ 09.7753.14B

Non Dimmable All White
- ☐ 09.7753.30A78

Dali 2
- ☐ 09.7753.30ADA
- ■ 09.7753.14ADA

Dali 2 All White
- ☐ 09.7753.30AYU

24° MEDIUM



Luminous flux luminaire 2176 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 80

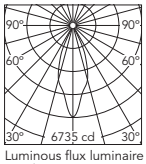
Non Dimmable
- ☐ 09.7754.30A
- ■ 09.7754.14B

Non Dimmable All White
- ☐ 09.7754.30A78

Dali 2
- ☐ 09.7754.30ADA
- ■ 09.7754.14ADA

Dali 2 All White
- ☐ 09.7754.30AYU

37° FLOOD



Luminous flux luminaire 2408 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

3000K - CRI 90

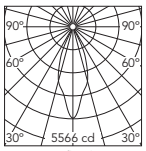
Non Dimmable
- ☐ 09.7758.30A
- ■ 09.7758.14B

Non Dimmable All White
- ☐ 09.7758.30A78

Dali 2
- ☐ 09.7758.30ADA
- ■ 09.7758.14ADA

Dali 2 All White
- ☐ 09.7758.30AYU

37° FLOOD



Luminous flux luminaire 1991 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

4000K - CRI 90

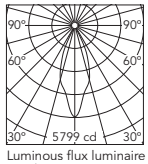
Non Dimmable
- ☐ 09.7755.30A
- ■ 09.7755.14B

Non Dimmable All White
- ☐ 09.7755.30A78

Dali 2
- ☐ 09.7755.30ADA
- ■ 09.7755.14ADA

Dali 2 All White
- ☐ 09.7755.30AYU

37° FLOOD



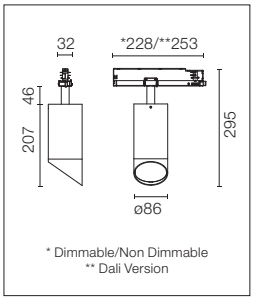
Luminous flux luminaire 2074 lm

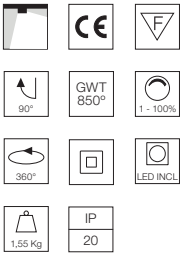
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the “All white” versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80

Non Dimmable

- [ ] 09.7770.30A
- [x] 09.7770.14B

All White

- [ ] 09.7770.30A78

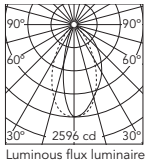
Dali 2

- [ ] 09.7770.30ADA
- [x] 09.7770.14ADA

Dali 2 All White

- [ ] 09.7770.30AYU





Luminous flux luminaire
2560 lm

Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2596	0.98
2	649	1.97
3	288	2.95
4	162	3.94
5	104	4.92

3000K - CRI 90

Non Dimmable

- [ ] 09.7771.30A
- [x] 09.7771.14B

All White

- [ ] 09.7771.30A78

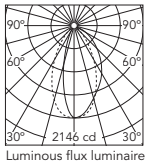
Dali 2

- [ ] 09.7771.30ADA
- [x] 09.7771.14ADA

Dali 2 All White

- [ ] 09.7771.30AYU





Luminous flux luminaire
2116 lm

Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

4000K - CRI 90

Non Dimmable

- [ ] 09.7772.30A
- [x] 09.7772.14B

All White

- [ ] 09.7772.30A78

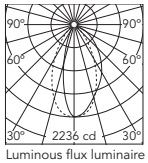
Dali 2

- [ ] 09.7772.30ADA
- [x] 09.7772.14ADA

Dali 2 All White

- [ ] 09.7772.30AYU





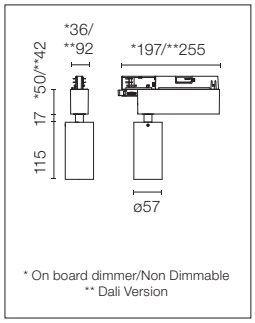
Luminous flux luminaire
2204 lm

Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

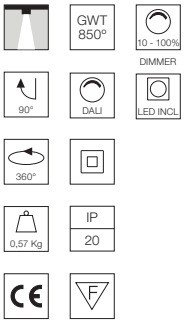
Ut Spot Track Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2000 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90





* On board dimmer/Non Dimmable
** Dali Version



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80

On board dimmer

- 09.4440.30A
- 09.4440.14A

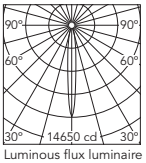
Non Dimmable

- 09.4480.30A
- 09.4480.14A

Dali Version

- 09.4440.30BDA
- 09.4440.14BDA

10° SPOT



Luminous flux luminaire 1255 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 14650	0.18
2 3662	0.36
3 1628	0.54
4 916	0.72
5 586	0.90

3000K - CRI 90

On board dimmer

- 09.4443.30A
- 09.4443.14A

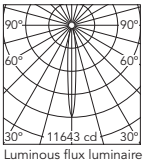
Non Dimmable

- 09.4486.30A
- 09.4486.14A

Dali Version

- 09.4443.30BDA
- 09.4443.14BDA

10° SPOT



Luminous flux luminaire 997 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 11643	0.18
2 2911	0.36
3 1294	0.54
4 728	0.72
5 466	0.90

4000K - CRI 90

On board dimmer included

- 09.4450.30A
- 09.4450.14A

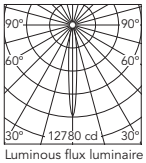
Non Dimmable

- 09.4481.30A
- 09.4481.14A

Dali Version

- 09.4450.30BDA
- 09.4450.14BDA

10° SPOT



Luminous flux luminaire 1094 lm

Beam Angle:	10°
h(m) E(lx)	D(m)
1 12780	0.18
2 3195	0.36
3 1420	0.54
4 799	0.72
5 511	0.90

3000K - CRI 80

On board dimmer

- 09.4441.30A
- 09.4441.14A

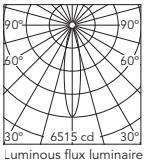
Non Dimmable

- 09.4482.30A
- 09.4482.14A

Dali Version

- 09.4441.30BDA
- 09.4441.14BDA

21° MEDIUM



Luminous flux luminaire 1184 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 6515	0.37
2 1629	0.73
3 724	1.10
4 407	1.47
5 261	1.83

3000K - CRI 90

On board dimmer

- 09.4444.30A
- 09.4444.14A

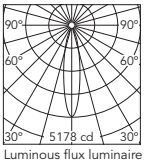
Non Dimmable

- 09.4487.30A
- 09.4487.14A

Dali Version

- 09.4444.30BDA
- 09.4444.14BDA

21° MEDIUM



Luminous flux luminaire 941 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5178	0.37
2 1294	0.73
3 575	1.10
4 324	1.47
5 207	1.83

4000K - CRI 90

On board dimmer included

- 09.4451.30A
- 09.4451.14A

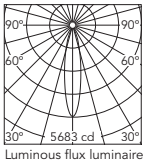
Non Dimmable

- 09.4483.30A
- 09.4483.14A

Dali Version

- 09.4451.30BDA
- 09.4451.14BDA

21° MEDIUM



Luminous flux luminaire 1033 lm

Beam Angle:	21°
h(m) E(lx)	D(m)
1 5683	0.37
2 1421	0.73
3 631	1.10
4 355	1.47
5 227	1.83

3000K - CRI 80

On board dimmer

- 09.4442.30A
- 09.4442.14A

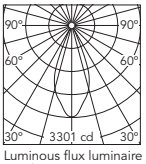
Non Dimmable

- 09.4484.30A
- 09.4484.14A

Dali Version

- 09.4442.30BDA
- 09.4442.14BDA

42° FLOOD



Luminous flux luminaire 1394 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 3301	0.76
2 825	1.52
3 367	2.28
4 206	3.05
5 132	3.81

3000K - CRI 90

On board dimmer

- 09.4445.30A
- 09.4445.14A

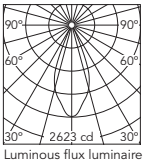
Non Dimmable

- 09.4488.30A
- 09.4488.14A

Dali Version

- 09.4445.30BDA
- 09.4445.14BDA

42° FLOOD



Luminous flux luminaire 1108 lm

Beam Angle:	42°
h(m) E(lx)	D(m)
1 2623	0.76
2 656	1.52
3 291	2.28
4 164	3.05
5 105	3.81

4000K - CRI 90

On board dimmer included

- 09.4452.30A
- 09.4452.14A

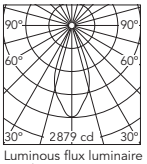
Non Dimmable

- 09.4485.30A
- 09.4485.14A

Dali Version

- 09.4452.30BDA
- 09.4452.14BDA

42° FLOOD



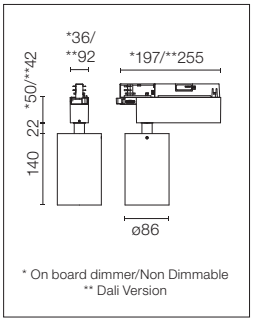
Luminous flux luminaire 1216 lm

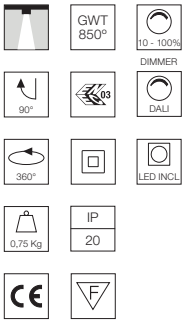
Beam Angle:	42°
h(m) E(lx)	D(m)
1 2879	0.76
2 720	1.52
3 320	2.28
4 180	3.05
5 115	3.81

Ut Spot Track Ø86

Light Source: LED Array High Performances 33W - 3770 lm - 3000K/CRI 80 / 33W - 3116 lm - 3000K/CRI 90 / 33W - 3246 lm - 4000K/CRI 90







Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80
On board dimmer
- 09.4840.30A
- 09.4840.14A

Non Dimmable
- 09.4880.30A
- 09.4880.14A

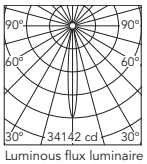
Dali Version
- 09.4840.30BDA
- 09.4840.14BDA

3000K - CRI 90
On board dimmer
- 09.4843.30A
- 09.4843.14A

Non Dimmable
- 09.4886.30A
- 09.4886.14A

Dali Version
- 09.4843.30BDA
- 09.4843.14BDA

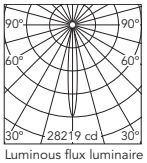
12° SPOT



Luminous flux luminaire 2650 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

12° SPOT



Luminous flux luminaire 2190 lm

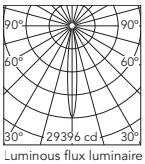
Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

4000K - CRI 90
On board dimmer included
- 09.4850.30A
- 09.4850.14A

Non Dimmable
- 09.4881.30A
- 09.4881.14A

Dali Version
- 09.4850.30BDA
- 09.4850.14BDA

12° SPOT



Luminous flux luminaire 2281 lm

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 80
On board dimmer
- 09.4841.30A
- 09.4841.14A

Non Dimmable
- 09.4882.30A
- 09.4882.14A

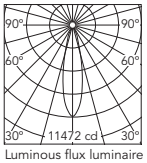
Dali Version
- 09.4841.30BDA
- 09.4841.14BDA

3000K - CRI 90
On board dimmer
- 09.4844.30A
- 09.4844.14A

Non Dimmable
- 09.4887.30A
- 09.4887.14A

Dali Version
- 09.4844.30BDA
- 09.4844.14BDA

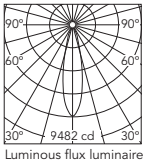
24° MEDIUM



Luminous flux luminaire 2528 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

24° MEDIUM



Luminous flux luminaire 2089 lm

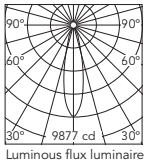
Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

4000K - CRI 90
On board dimmer included
- 09.4851.30A
- 09.4851.14A

Non Dimmable
- 09.4883.30A
- 09.4883.14A

Dali Version
- 09.4851.30BDA
- 09.4851.14BDA

24° MEDIUM



Luminous flux luminaire 2176 lm

Beam Angle:	24°	
h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 80
On board dimmer
- 09.4842.30A
- 09.4842.14A

Non Dimmable
- 09.4884.30A
- 09.4884.14A

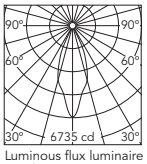
Dali Version
- 09.4842.30BDA
- 09.4842.14BDA

3000K - CRI 90
On board dimmer
- 09.4845.30A
- 09.4845.14A

Non Dimmable
- 09.4888.30A
- 09.4888.14A

Dali Version
- 09.4845.30BDA
- 09.4845.14BDA

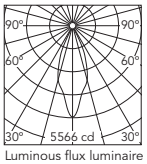
37° FLOOD



Luminous flux luminaire 2408 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

37° FLOOD



Luminous flux luminaire 1991 lm

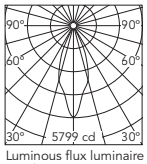
Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

4000K - CRI 90
On board dimmer included
- 09.4852.30A
- 09.4852.14A

Non Dimmable
- 09.4885.30A
- 09.4885.14A

Dali Version
- 09.4852.30BDA
- 09.4852.14BDA

37° FLOOD



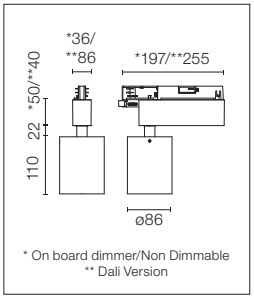
Luminous flux luminaire 2074 lm

Beam Angle:	37°	
h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

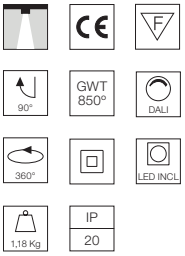
Ut Spot Track Multichip Ø86

Light Source: Top LED 11,5W - 850 lm - 3000K/CRI 90 / 11,5W - 950 lm - 3000K/CRI 80 / 11,5W - 1000 lm - 4000K/CRI 80





* On board dimmer/Non Dimmable
** Dali Version



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

The accessories are not compatible with this version.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

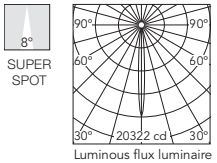
Los accesorios no son compatibles con esta versión.

3000K - CRI 80

On board dimmer
- 09.4980.30
- 09.4980.14

Non Dimmable
- 09.4983.30
- 09.4983.14

Dali Version
- 09.4980.30ADA
- 09.4980.14ADA



Luminous flux luminaire 776 lm

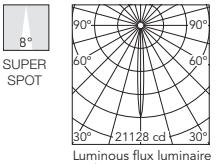
Beam Angle:		8°
h(m)	E(lx)	D(m)
1	20322	0.14
2	5081	0.27
3	2258	0.41
4	1270	0.54
5	813	0.68

4000K - CRI 80

On board dimmer
- 09.4982.30
- 09.4982.14

Non Dimmable
- 09.4985.30
- 09.4985.14

Dali Version
- 09.4982.30ADA
- 09.4982.14ADA



Luminous flux luminaire 807 lm

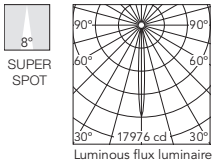
Beam Angle:		8°
h(m)	E(lx)	D(m)
1	21128	0.14
2	5282	0.27
3	2348	0.41
4	1321	0.54
5	845	0.68

3000K - CRI 90

On board dimmer
- 09.4981.30
- 09.4981.14

Non Dimmable
- 09.4984.30
- 09.4984.14

Dali Version
- 09.4981.30ADA
- 09.4981.14ADA



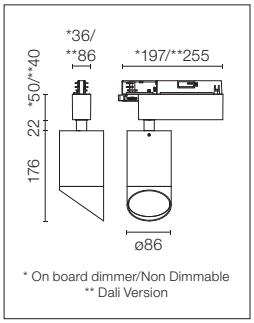
Luminous flux luminaire 687 lm

Beam Angle:		8°
h(m)	E(lx)	D(m)
1	17976	0.14
2	4494	0.27
3	1997	0.41
4	1124	0.54
5	719	0.68

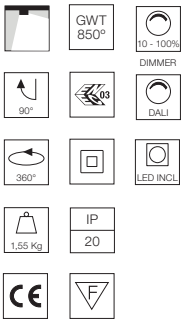
Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 33W - 3960 lm - 3000K/CRI 80 / 33W - 3250 lm - 3000K/CRI 90 / 33W - 3500 lm - 4000K/CRI 90





* On board dimmer/Non Dimmable
** Dali Version



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

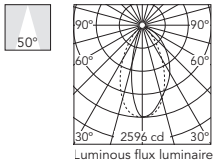
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80

On board dimmer
- 09.4950.30A
- 09.4950.14A

Non Dimmable
- 09.4951.30A
- 09.4951.14A

Dali Version
- 09.4950.30BDA
- 09.4950.14BDA



Luminous flux luminaire 2560 lm

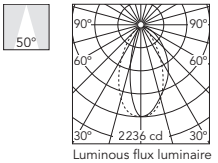
Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2596	0.98
2	649	1.97
3	288	2.95
4	162	3.94
5	104	4.92

4000K - CRI 90

On board dimmer
- 09.4956.30A
- 09.4956.14A

Non Dimmable
- 09.4957.30A
- 09.4957.14A

Dali Version
- 09.4956.30BDA
- 09.4956.14BDA



Luminous flux luminaire 2204 lm

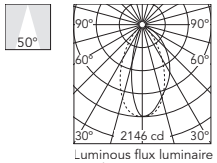
Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

3000K - CRI 90

On board dimmer
- 09.4953.30A
- 09.4953.14A

Non Dimmable
- 09.4954.30A
- 09.4954.14A

Dali Version
- 09.4953.30BDA
- 09.4953.14BDA



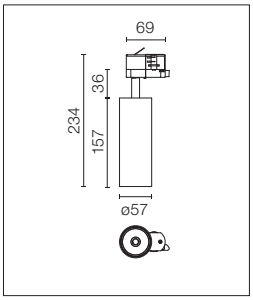
Luminous flux luminaire 2116 lm

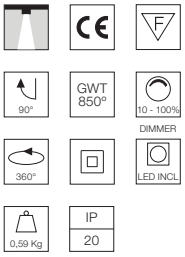
Beam Angle:		50°
h(m)	E(lx)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

UT Pro 150 GA-69

Light Source: LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

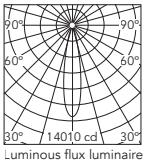
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
☐ 09.7270.40B
☗ 09.7270.14B
All White
☐ 09.7270.40B78

21° SPOT

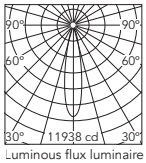


Luminous flux luminaire 2266 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	14010 0.37
2	3503 0.74
3	1557 1.11
4	876 1.48
5	560 1.85

3000K - CRI 90
On board dimmer
☐ 09.7276.40B
☗ 09.7276.14B
All White
☐ 09.7276.40B78

21° SPOT

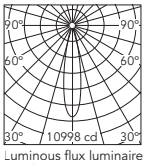


Luminous flux luminaire 1931 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	11938 0.37
2	2984 0.74
3	1326 1.11
4	746 1.48
5	478 1.85

4000K - CRI 90
On board dimmer
☐ 09.7271.40B
☗ 09.7271.14B
All White
☐ 09.7271.40B78

21° SPOT

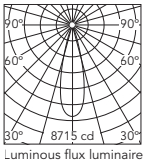


Luminous flux luminaire 1779 lm

Beam Angle:	21°
h(m)	E(lx) D(m)
1	10998 0.37
2	2750 0.74
3	1222 1.11
4	687 1.48
5	440 1.85

3000K - CRI 80
On board dimmer
☐ 09.7272.40B
☗ 09.7272.14B
All White
☐ 09.7272.40B78

27° MEDIUM

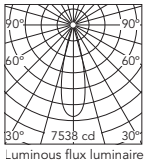


Luminous flux luminaire 1902 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	8715 0.49
2	2179 0.98
3	968 1.47
4	545 1.96
5	349 2.44

3000K - CRI 90
On board dimmer
☐ 09.7277.40B
☗ 09.7277.14B
All White
☐ 09.7277.40B78

27° MEDIUM

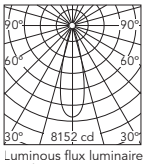


Luminous flux luminaire 1645 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	7538 0.49
2	1884 0.98
3	838 1.47
4	471 1.96
5	302 2.44

4000K - CRI 90
On board dimmer
☗ 09.7273.40B
☗ 09.7273.14B
All White
☐ 09.7273.40B78

27° MEDIUM

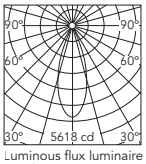


Luminous flux luminaire 1779 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	8152 0.49
2	2038 0.98
3	906 1.47
4	509 1.96
5	326 2.44

3000K - CRI 80
On board dimmer
☐ 09.7274.40B
☗ 09.7274.14B
All White
☐ 09.7274.40B78

35° FLOOD

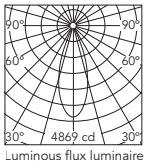


Luminous flux luminaire 1898 lm

Beam Angle:	35°
h(m)	E(lx) D(m)
1	5618 0.64
2	1404 1.27
3	624 1.91
4	351 2.54
5	225 3.18

3000K - CRI 90
On board dimmer
☗ 09.7278.40B
☗ 09.7278.14B
All White
☐ 09.7278.40B78

36° FLOOD

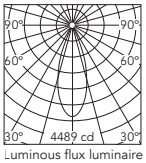


Luminous flux luminaire 1666 lm

Beam Angle:	36°
h(m)	E(lx) D(m)
1	4869 0.64
2	1217 1.28
3	541 1.92
4	304 2.56
5	195 3.20

4000K - CRI 90
On board dimmer
☐ 09.7275.40B
☗ 09.7275.14B
All White
☐ 09.7275.40B78

36° FLOOD



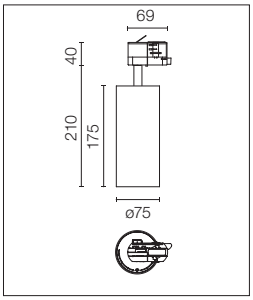
Luminous flux luminaire 1536 lm

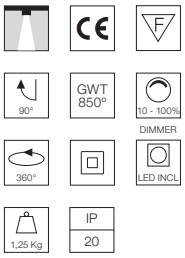
Beam Angle:	36°
h(m)	E(lx) D(m)
1	4489 0.64
2	1122 1.28
3	499 1.92
4	281 2.56
5	180 3.20

UT Pro 175 GA-69

Light Source: LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

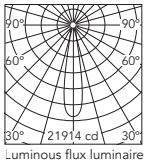
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
☐ 09.7310.40A
☐ 09.7310.14A
All White
☐ 09.7310.40A78

20° SPOT

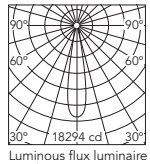


Luminous flux luminaire 3638 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	21906 0.35
2	5477 0.70
3	2434 1.04
4	1369 1.39
5	876 1.74

3000K - CRI 90
On board dimmer
☐ 09.7311.40A
☐ 09.7311.14A
All White
☐ 09.7311.40A78

20° SPOT

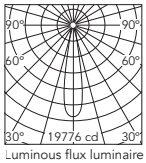


Luminous flux luminaire 3037 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	18287 0.35
2	4572 0.70
3	2032 1.04
4	1143 1.39
5	731 1.74

4000K - CRI 90
On board dimmer
☐ 09.7312.40A
☐ 09.7312.14A
All White
☐ 09.7312.40A78

20° SPOT

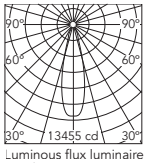


Luminous flux luminaire 3283 lm

Beam Angle:	20°
h(m)	E(lx) D(m)
1	19769 0.35
2	4942 0.70
3	2197 1.04
4	1236 1.39
5	791 1.74

3000K - CRI 80
On board dimmer
☐ 09.7313.40A
☐ 09.7313.14A
All White
☐ 09.7313.40A78

27° MEDIUM

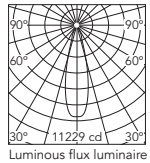


Luminous flux luminaire 3531 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	13450 0.48
2	3362 0.96
3	1494 1.44
4	841 1.93
5	538 2.41

3000K - CRI 90
On board dimmer
☐ 09.7314.40A
☐ 09.7314.14A
All White
☐ 09.7314.40A78

27° MEDIUM

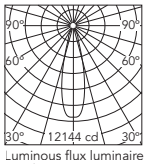


Luminous flux luminaire 2947 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	11225 0.48
2	2806 0.96
3	1247 1.44
4	702 1.93
5	449 2.41

4000K - CRI 90
On board dimmer
☐ 09.7315.40A
☐ 09.7315.14A
All White
☐ 09.7315.40A78

27° MEDIUM

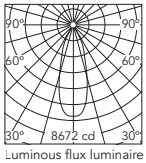


Luminous flux luminaire 3187 lm

Beam Angle:	27°
h(m)	E(lx) D(m)
1	12140 0.48
2	3035 0.96
3	1349 1.44
4	759 1.93
5	486 2.41

3000K - CRI 80
On board dimmer
☐ 09.7316.40A
☐ 09.7316.14A
All White
☐ 09.7316.40A78

34° FLOOD

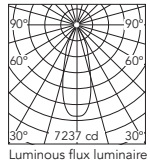


Luminous flux luminaire 3476 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	8672 0.61
2	2168 1.22
3	964 1.83
4	542 2.44
5	347 3.04

3000K - CRI 90
On board dimmer
☐ 09.7317.40A
☐ 09.7317.14A
All White
☐ 09.7317.40A78

34° FLOOD

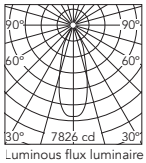


Luminous flux luminaire 2901 lm

Beam Angle:	34°
h(m)	E(lx) D(m)
1	7237 0.61
2	1809 1.22
3	804 1.83
4	452 2.44
5	289 3.04

4000K - CRI 90
On board dimmer
☐ 09.7318.40A
☐ 09.7318.14A
All White
☐ 09.7318.40A78

34° FLOOD



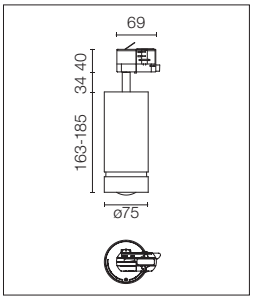
Luminous flux luminaire 3137 lm

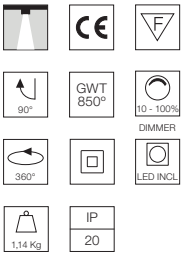
Beam Angle:	34°
h(m)	E(lx) D(m)
1	7826 0.61
2	1957 1.22
3	870 1.83
4	489 2.44
5	313 3.04

UT Pro 175 Lens GA-69

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90







Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. Includes adjustable lens allowing opening angle calibration from 13º to 56º. 120-270V power supply integrated.

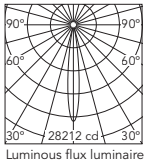
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13º a 56º.
Fuente de alimentación 120-270V integrada.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 80
On board dimmer
- ☐ 09.7373.40
- ■ 09.7373.14
  All White
- ☐ 09.7373.40.78

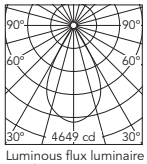
13° LENS OUT



Luminous flux luminaire 2314 lm

Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	28212	0.23
2	7053	0.46
3	3135	0.70
4	1763	0.93
5	1128	1.16

56° LENS IN

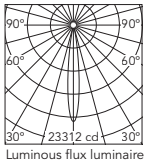


Luminous flux luminaire 3468 lm

Beam Angle: 56°		
h(m)	E(lx)	D(m)
1	4649	1.07
2	1162	2.14
3	517	3.21
4	291	4.29
5	186	5.36

3000K - CRI 90
On board dimmer
- ☐ 09.7374.40
- ■ 09.7374.14
  All White
- ☐ 09.7374.40.78

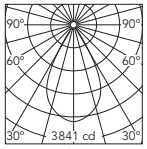
13° LENS OUT



Luminous flux luminaire 1912 lm

Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	23312	0.23
2	5828	0.46
3	2590	0.70
4	1457	0.93
5	932	1.16

56° LENS IN

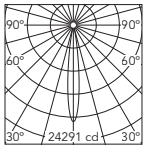


Luminous flux luminaire 2866 lm

Beam Angle: 56°		
h(m)	E(lx)	D(m)
1	3841	1.07
2	960	2.14
3	427	3.21
4	240	4.29
5	154	5.36

4000K - CRI 90
On board dimmer
- ☐ 09.7375.40
- ■ 09.7375.14
  All White
- ☐ 09.7375.40.78

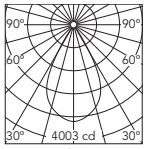
13° LENS OUT



Luminous flux luminaire 1992 lm

Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	24291	0.23
2	6073	0.46
3	2699	0.70
4	1518	0.93
5	972	1.16

56° LENS IN



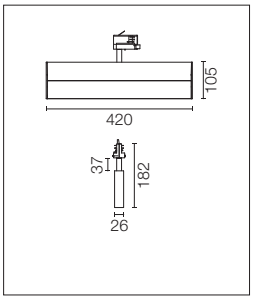
Luminous flux luminaire 2986 lm

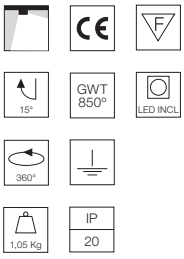
Beam Angle: 56°		
h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer GA-69 (Dali GA-600)

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90







Finishes Available



Wall-Washer lighting module to be installed in standard 3-phase track with LED light source. 220-240V power supply integrated. DALI version requires dimmable tracks (please refer to the “Tracks” chapter).

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white.

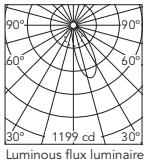
Módulo de iluminación Wall-Washer para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 220-240V integrada. Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones “all white” el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas.

3000K - CRI 90
Non Dimmable
- ☐ 09.7504.40
- ■ 09.7504.14
  All White
- ☐ 09.7504.40.78

Dali Version
- ☐ 09.7504.40.DA
- ■ 09.7504.14.DA
  All White
- ☐ 09.7504.40.YU

36°



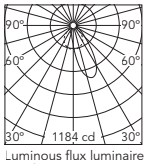
Luminous flux luminaire 1706 lm

Beam Angle: 36°		
h(m)	E(lx)	D(m)
1	1199	0.78
2	300	1.56
3	133	2.34
4	75	3.12
5	48	3.90

4000K - CRI 90
Non Dimmable
- ☐ 09.7505.40
- ■ 09.7505.14
  All White
- ☐ 09.7505.40.78

Dali Version
- ☐ 09.7505.40.DA
- ■ 09.7505.14.DA
  All White
- ☐ 09.7505.40.YU

36°



Luminous flux luminaire 1700 lm

Beam Angle: 36°		
h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.

UT Spot Ø57 / UT Pro 150

Screening crosspiece.
Cruceta de apantallamiento.

08.8429.00

Elliptical lens
Lente elíptica

08.8431.00

Flood lens
Lente flood

08.8432.00

For Spot & Medium optics

Honeycomb
Honeycomb

08.8428.00

Snoot shielding cone
Cono apantallador

29
08.0526.00
08.0526.40
08.0526.BW

UT Pro 175

Screening crosspiece.
Cruceta de apantallamiento.

08.9108.00

Elliptical lens
Lente elíptica

08.9109.00

Flood lens
Lente flood

08.9110.00

Honeycomb
Honeycomb

08.9107.00

Snoot shielding cone
Cono apantallador

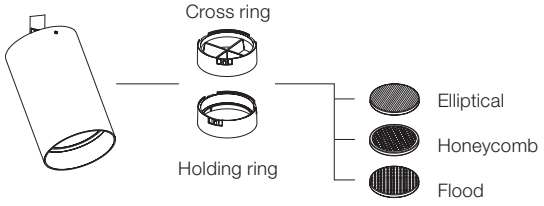
35
08.9111.00
08.9111.40
08.9111.BW

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire.
UT Spot Ø86: Installation compatible with honeycomb + lense at the same time.
UT Spot Ø86 Multichip: The accessories are not compatible with this version.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria.
UT Spot Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.
UT Spot Ø86 Multichip: Los accesorios no son compatibles con esta versión.

Mandatory



UT Spot Ø86

Holding ring
Aro soporte

08.8410.00

UT Spot Ø86 LED Array

Screening crosspiece.
Cruceta de apantallamiento.

08.8411.00

UT Spot Ø86 LED Array
Mandatory holding ring or screening crosspiece.
Obligatorio aro soporte o cruceta de apantallamiento.

Elliptical lens
Lente elíptica

08.8163.68

Flood lens
Lente flood

08.8175.68

For Spot & Medium optics

Honeycomb
Honeycomb

08.8495.14

WAN SPOT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80



LIGHT SOURCE
LED
QT-14
G9

30 White
30 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

GN Green
GN Verde

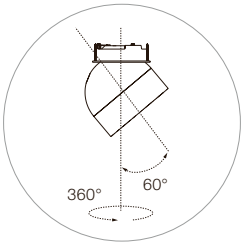








Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



Description
Wall or ceiling lamp providing direct light. Aluminum body, available in chrome, shiny white, enameled green, and shiny black finishes. Low glare shield.
Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors
Sanded and chemically bleached aluminum reflector.

Power Supply
Pre-wiring included; ready for remote power supply.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Additional Information
0° - 360° vertical rotation and 0° - 60° adjustment.
IP20 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de luz directa para ser instalada a techo o pared. Cuerpo de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante. Incorpora cono antideslumbramiento.
El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en negro brillante o verde esmaltado.

Reflectores
Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación
Luminaria precableada para ser alimentada mediante equipo remoto.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Información Adicional
Rotación en el eje vertical de hasta 360° y orientación hasta 60°.
Índice de protección IP20.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

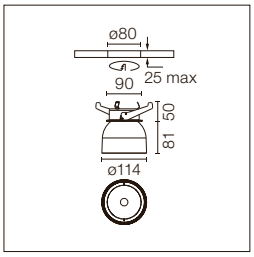
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

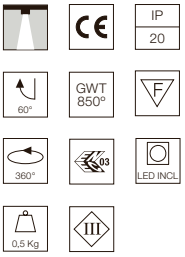
Cumplimiento de Normativa y Marcas de Calidad
Equipo conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Wan Spot

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80







Spotlight to be installed recessed on ceiling/wall. Power supply not included.

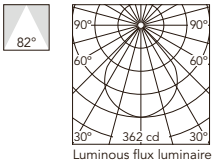
Proyector para ser instalado empotrado en pared o techo. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9768
Dimmable 0/1-10V	60.9188
Dimmable Dali 2	60.9826
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6174.30A
- 03.6174.05A
- 03.6174.14A
- 03.6174.GNA



Luminous flux luminaire
505 lm

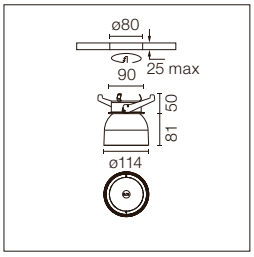
Beam Angle: 82°

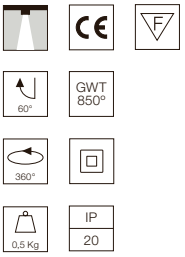
h(m)	E(lx)	D(m)
1	362	1.75
2	91	3.50
3	40	5.25
4	23	7.00
5	14	8.75

Wan Spot

Light Source: QT-14 G9 max 40W



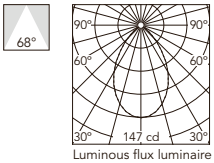




Spotlight to be installed recessed on ceiling/wall with main voltage source.

Proyector para ser instalado empotrado en pared o techo, con alimentación directa a red.

- 03.6170.30
- 03.6170.05
- 03.6170.14
- 03.6170.GN

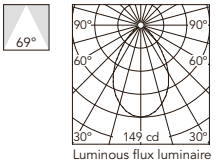


Luminous flux luminaire
460 lm

@Black Ring

Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75



Luminous flux luminaire
460 lm

@Green Ring

Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

CEILING / WALL

C1, UT Pro Surface, Kap Surface&
Suspension, Super Line&Pro, Light Bell,
Fort Knox Wall&Mini, Thin LED,
G-O, TheBlockofLight.

NEW

C 1

DESIGNED BY VINCENT VAN DUYSEN

MONO SPOT CEILING SMALL



LIGHT SOURCE
POWER LED
6W
510 lm
2700K/CRI 90
560 lm
3000K/CRI 90

MONO SPOT WALL SMALL



LIGHT SOURCE
POWER LED
6W
510 lm
2700K/CRI 90
560 lm
3000K/CRI 90

DOUBLE SPOT WALL SMALL



LIGHT SOURCE
POWER LED
12W
1020 lm
2700K/CRI 90
1120 lm
3000K/CRI 90

DOUBLE SPOT SURFACE SMALL



LIGHT SOURCE
POWER LED
14,5W
1020 lm
2700K/CRI 90
1120 lm
3000K/CRI 90

MONO SPOT CEILING LARGE



LIGHT SOURCE
POWER LED
Up to 14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

MONO SPOT WALL LARGE



LIGHT SOURCE
POWER LED
Up to 14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

DOUBLE SPOT WALL LARGE



LIGHT SOURCE
POWER LED
Up to 28W
2450 lm
2700K/CRI 90
2600 lm
3000K/CRI 90

DY White
DY Blanco



DR Anthracite
DR Antracita



EQ Brushed Copper
EQ Cobre Cepillado



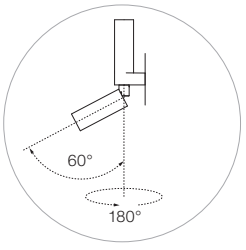
ER Brushed Steel
ER Acero Cepillado



ES Brushed Bronze
ES Bronce Cepillado

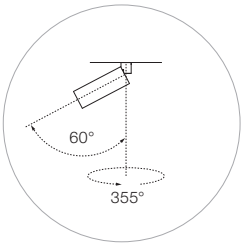


Can be rotated 180° and swivelled 60°.
Puede ser rotado 180° y orientado 60°.



Wall

Can be rotated 355° and swivelled 60°.
Puede ser rotado 355° y orientado 60°.



Ceiling & Surface

NEW

Description
New program of wall and ceiling-mounted luminaires developed for residential and hospitality use.
The extremely minimalist design of the product hides a special, integrated mechanical connection that allows the luminaire body to be extracted and oriented up to 60° on the vertical axis and on the horizontal axis (355° in the ceiling version and 140° in the wall version), ensuring an impressive versatility, ideal to meet the needs of any project.
Versions developed for wall mounting are available with single or dual emission.

Optical Group
Optical group with high visual comfort in the body of the product, available with differentiated beamwidths.
This luminaire is designed to provide diffuse light emission or a more concentrated light distribution, ideal when accent or spot lighting is needed for reading in bed headboard applications.
Dual-emission models include a diffusing screen as accessory that can be integrated into the optical unit, producing a soft light effect.

Power Supply
All devices must be powered by a remote controller (not included) available with various control options.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Control System
Units can be controlled by 0/1-10V, DALI, Push Dimming and Casambi. Broadcast control system. In devices with dual emission, direct and indirect emissions can be controlled independently.
C1 Double Surface includes the driver and supports ON/OFF, mains dimming, and DALI control.

Installation
The product is ready to be installed on different surface types.
All products are completed with a dedicated No Trim or plate installation mounting kit. The No Trim installation is only compatible with plasterboard surfaces with a minimum thickness of 9mm and a maximum of 25mm. Plate installation allows the electrical connection to be made inside the surface mount.

Additional Information
Constant voltage controlled electrical system.
IP20 Protection Index.
Suitable for installation on normally flammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598N/D European Technical Standards and any subsequent additions.

Descripción
Nuevo programa de luminarias para instalación en pared y techo desarrollado a medida para aplicaciones residenciales o de hostelería.
El diseño extremadamente minimalista del producto esconde una conexión mecánica especial integrada que permite extraer y orientar el cuerpo de la luminaria hasta 60° en el eje vertical y en el eje horizontal (355° para la versión de techo y 140° para la versión de pared), garantizando una impresionante versatilidad, perfecta para satisfacer las necesidades de cualquier proyecto.
Las versiones desarrolladas para instalación en pared están disponibles con emisión simple o doble.

Grupo Óptico
Grupo óptico con un elevado confort visual en el cuerpo del producto, disponible con aperturas de haz diferenciadas.
La luminaria está preparada para proporcionar una emisión de luz difusa o una distribución más concentrada, perfecta para iluminación de acento o puntual para la lectura en aplicaciones para cabecero de cama.
Los modelos de doble emisión incluyen una pantalla difusora como accesorio que se puede integrar en el grupo óptico dando como resultado un efecto de luz suave.

Unidades de Alimentación
Todos los aparatos deben ser alimentados mediante un controlador remoto no incluido, disponible con varias alternativas de control.

Sistema de Regulación
Los aparatos pueden ser controlados mediante 0/1-10V, DALI, Push Dimming y Casambi. Sistema de control broadcast. En los aparatos con doble emisión se pueden controlar las emisiones directa e indirecta de manera independiente.
C1 Double Surface incluye el driver y admite control ON/OFF, mains dimming y control DALI.

Instalación
El producto está preparado para ser instalado sobre diferentes tipos de superficies.
Todos los productos se completan con un kit de montaje específico para la instalación No Trim o con placa.
La instalación No Trim sólo es compatible con superficies en pladur con un grosor mínimo de 9 mm y máximo de 25 mm.
La instalación con placa permite realizar la conexión eléctrica en el interior del soporte en superficie.

Información Adicional
Sistema eléctrico controlado en tensión constante.
Índice de protección IP20.
Apto para instalación en superficies normalmente inflamables.

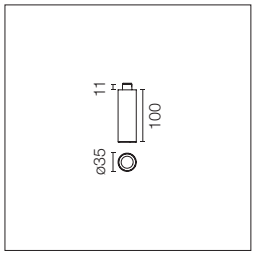
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

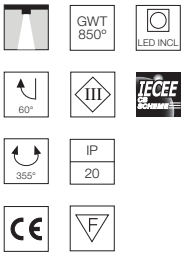
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598N/D y partes segundas.

Mono Spot Ceiling Small Ø35

Light Source: Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 355° on the horizontal axis.
Integrated Full cut-off optical group.
The remote power supply (not included) must be placed in an accessible location.
The installation frame must be ordered separately.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 355° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

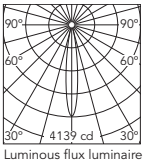
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1220.DY
- 03.1220.DR
- 03.1220.EQ
- 03.1220.ER
- 03.1220.ES

15° SPOT



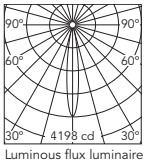
Luminous flux luminaire
376 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4139	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K
- 03.1225.DY
- 03.1225.DR
- 03.1225.EQ
- 03.1225.ER
- 03.1225.ES

15° SPOT



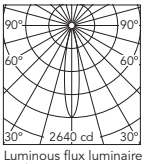
Luminous flux luminaire
382 lm

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1050	0.51
3	466	0.77
4	262	1.03
5	168	1.28

2700K
- 03.1221.DY
- 03.1221.DR
- 03.1221.EQ
- 03.1221.ER
- 03.1221.ES

18° MEDIUM



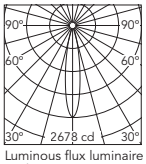
Luminous flux luminaire
368 lm

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K
- 03.1226.DY
- 03.1226.DR
- 03.1226.EQ
- 03.1226.ER
- 03.1226.ES

18° MEDIUM



Luminous flux luminaire
374 lm

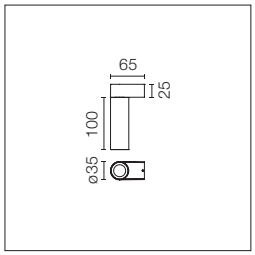
Beam Angle: 18°

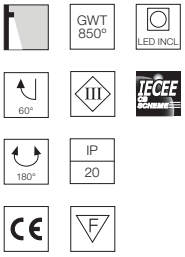
h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

Mono Spot Wall Small Ø35

Light Source: Power LED DC 500 mA - 6W - 510 lm - 2700K/CRI 90 / 6W - 560 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis.
Integrated Full cut-off optical group.
The remote power supply (not included) must be placed in an accessible location.
The installation frame must be ordered separately.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

Recommended power supply / Equipos recomendados*:

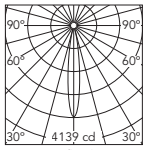
Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.1200.DY
- 03.1200.DR
- 03.1200.EQ
- 03.1200.ER
- 03.1200.ES

15° SPOT



Luminous flux luminaire
376 lm

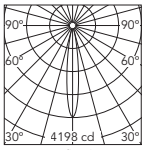
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4139	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K

- 03.1205.DY
- 03.1205.DR
- 03.1205.EQ
- 03.1205.ER
- 03.1205.ES

15° SPOT



Luminous flux luminaire
382 lm

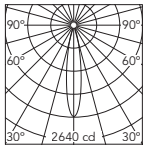
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1050	0.51
3	466	0.77
4	262	1.03
5	168	1.28

2700K

- 03.1201.DY
- 03.1201.DR
- 03.1201.EQ
- 03.1201.ER
- 03.1201.ES

18° MEDIUM



Luminous flux luminaire
368 lm

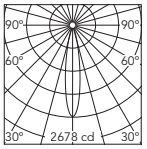
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K

- 03.1206.DY
- 03.1206.DR
- 03.1206.EQ
- 03.1206.ER
- 03.1206.ES

18° MEDIUM



Luminous flux luminaire
374 lm

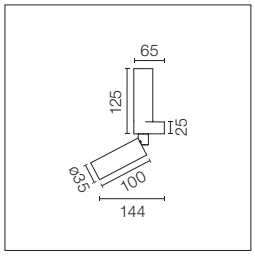
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	167	1.30
5	107	1.62

Double Spot Wall Small Ø35

Light Source: Power LED DC 500 mA - 12W - 1020 lm - 2700K/CRI 90 / 12W - 1120 lm - 3000K/CRI 90





GWT 850°

LED INCL.

60°

III

180°

IP 20

Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group. Accessories integrated (up diffuser). The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios integrados (difusor up). La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

Recommended power supply / Equipos recomendados*:

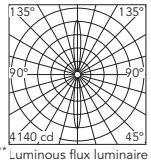
Non Dimmable	60.9592
Dimmable 1-10V	60.9208
Dimmable Dali 2 / Push	60.7678
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.1210.DY
- 03.1210.DR
- 03.1210.EQ
- 03.1210.ER
- 03.1210.ES

15° SPOT



** Luminous flux luminaire 753 lm

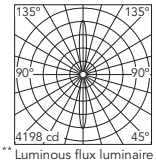
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4140	0.26
2	1035	0.51
3	460	0.77
4	259	1.03
5	166	1.28

3000K

- 03.1215.DY
- 03.1215.DR
- 03.1215.EQ
- 03.1215.ER
- 03.1215.ES

15° SPOT



** Luminous flux luminaire 763 lm

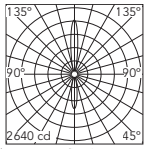
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4198	0.26
2	1049	0.51
3	466	0.77
4	263	1.03
5	168	1.28

2700K

- 03.1211.DY
- 03.1211.DR
- 03.1211.EQ
- 03.1211.ER
- 03.1211.ES

18° MEDIUM



** Luminous flux luminaire 745 lm

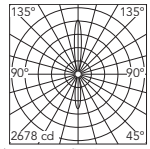
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2640	0.32
2	660	0.65
3	293	0.97
4	165	1.30
5	106	1.62

3000K

- 03.1216.DY
- 03.1216.DR
- 03.1216.EQ
- 03.1216.ER
- 03.1216.ES

18° MEDIUM



** Luminous flux luminaire 755 lm

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2678	0.32
2	669	0.65
3	298	0.97
4	168	1.30
5	107	1.62

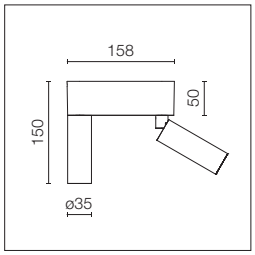
** Photometric data without up diffuser / Datos fotométricos sin difusor up.

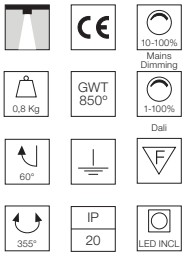
NEW

Double Spot Surface Small Ø35

Light Source: Power LED – 14,5W - 1020 lm - 2700K/CRI 90 / 14,5W - 1120 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis. Integrated Full cut-off optical group and the power supply is included.

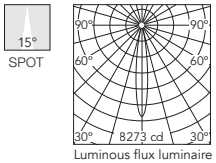
Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal. Grupo óptico Full cut-off integrado y fuente de alimentación incluida.

Optic Spot - 2700K

Non Dimming
- 05.3500.DY
- 05.3500.DR
- 05.3500.EQ
- 05.3500.ER
- 05.3500.ES

Mains Dimming
- 05.3500.DY.NI
- 05.3500.DR.NI
- 05.3500.EQ.NI
- 05.3500.ER.NI
- 05.3500.ES.NI

Dali
- 05.3500.DY.DA
- 05.3500.DR.DA
- 05.3500.EQ.DA
- 05.3500.ER.DA
- 05.3500.ES.DA



Luminous flux luminaire
752 lm

Beam Angle: 15°

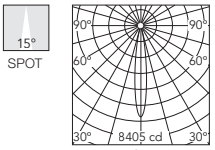
h(m)	E(lx)	D(m)
1	8273	0.26
2	2068	0.51
3	919	0.77
4	517	1.03
5	331	1.28

Optic Spot - 3000K

Non Dimming
- 05.3505.DY
- 05.3505.DR
- 05.3505.EQ
- 05.3505.ER
- 05.3505.ES

Mains Dimming
- 05.3505.DY.NI
- 05.3505.DR.NI
- 05.3505.EQ.NI
- 05.3505.ER.NI
- 05.3505.ES.NI

Dali
- 05.3505.DY.DA
- 05.3505.DR.DA
- 05.3505.EQ.DA
- 05.3505.ER.DA
- 05.3505.ES.DA



Luminous flux luminaire
764 lm

Beam Angle: 15°

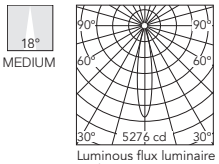
h(m)	E(lx)	D(m)
1	8405	0.26
2	2101	0.51
3	934	0.77
4	525	1.03
5	336	1.28

Optic Medium - 2700K

Non Dimming
- 05.3501.DY
- 05.3501.DR
- 05.3501.EQ
- 05.3501.ER
- 05.3501.ES

Mains Dimming
- 05.3501.DY.NI
- 05.3501.DR.NI
- 05.3501.EQ.NI
- 05.3501.ER.NI
- 05.3501.ES.NI

Dali
- 05.3501.DY.DA
- 05.3501.DR.DA
- 05.3501.EQ.DA
- 05.3501.ER.DA
- 05.3501.ES.DA



Luminous flux luminaire
736 lm

Beam Angle: 18°

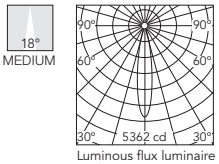
h(m)	E(lx)	D(m)
1	5276	0.32
2	1319	0.65
3	586	0.97
4	330	1.30
5	211	1.62

Optic Medium - 3000K

Non Dimming
- 05.3506.DY
- 05.3506.DR
- 05.3506.EQ
- 05.3506.ER
- 05.3506.ES

Mains Dimming
- 05.3506.DY.NI
- 05.3506.DR.NI
- 05.3506.EQ.NI
- 05.3506.ER.NI
- 05.3506.ES.NI

Dali
- 05.3506.DY.DA
- 05.3506.DR.DA
- 05.3506.EQ.DA
- 05.3506.ER.DA
- 05.3506.ES.DA



Luminous flux luminaire
748 lm

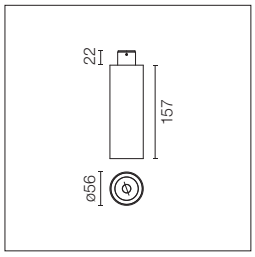
Beam Angle: 18°

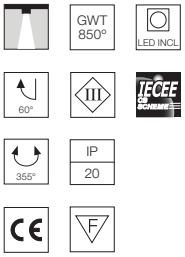
h(m)	E(lx)	D(m)
1	5362	0.32
2	1340	0.65
3	596	0.97
4	335	1.30
5	214	1.62

Mono Spot Ceiling Large Ø56

Light Source: Power LED DC 950 mA - 11W - 970 lm - 2700K/CRI 90 / 11W - 1050 lm - 3000K/CRI 90
Power LED DC 1200 mA - 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 355° on the horizontal axis.
Integrated Full cut-off optical group.
The remote power supply (not included) must be placed in an accessible location.
The installation frame must be ordered separately.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 355° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

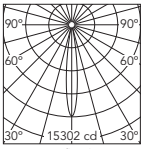
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1250.DYB
- 03.1250.DRB
- 03.1250.EQB
- 03.1250.ERB
- 03.1250.ESB

14° SPOT



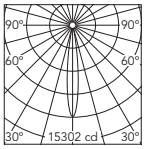
Luminous flux luminaire
1070 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15302	0.24
2	3825	0.48
3	1700	0.72
4	956	0.96
5	612	1.20

3000K
- 03.1255.DYB
- 03.1255.DRB
- 03.1255.EQB
- 03.1255.ERB
- 03.1255.ESB

14° SPOT



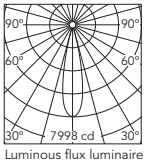
Luminous flux luminaire
1070 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15302	0.24
2	3825	0.48
3	1700	0.72
4	956	0.96
5	612	1.20

2700K
- 03.1251.DYB
- 03.1251.DRB
- 03.1251.EQB
- 03.1251.ERB
- 03.1251.ESB

23° MEDIUM



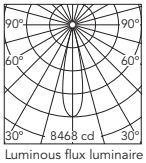
Luminous flux luminaire
1094 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7998	0.40
2	1999	0.80
3	889	1.20
4	500	1.60
5	320	2.00

3000K
- 03.1256.DYB
- 03.1256.DRB
- 03.1256.EQB
- 03.1256.ERB
- 03.1256.ESB

23° MEDIUM



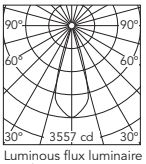
Luminous flux luminaire
1158 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8468	0.40
2	2117	0.80
3	941	1.20
4	529	1.60
5	339	2.00

2700K
- 03.1252.DYB
- 03.1252.DRB
- 03.1252.EQB
- 03.1252.ERB
- 03.1252.ESB

34° FLOOD



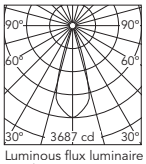
Luminous flux luminaire
1043 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3557	0.61
2	889	1.22
3	395	1.83
4	222	2.43
5	142	3.04

3000K
- 03.1257.DYB
- 03.1257.DRB
- 03.1257.EQB
- 03.1257.ERB
- 03.1257.ESB

34° FLOOD



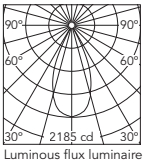
Luminous flux luminaire
1081 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3687	0.61
2	922	1.22
3	410	1.83
4	230	2.43
5	147	3.04

2700K
- 03.1253.DYB
- 03.1253.DRB
- 03.1253.EQB
- 03.1253.ERB
- 03.1253.ESB

45° WIDE FLOOD



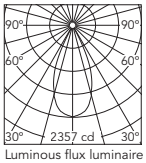
Luminous flux luminaire
1063 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2185	0.84
2	546	1.68
3	243	2.52
4	137	3.35
5	87	4.19

3000K
- 03.1258.DYB
- 03.1258.DRB
- 03.1258.EQB
- 03.1258.ERB
- 03.1258.ESB

45° WIDE FLOOD



Luminous flux luminaire
1146 lm

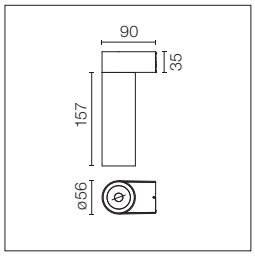
Beam Angle: 45°

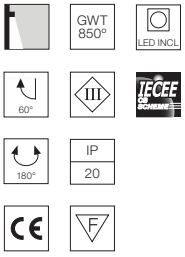
h(m)	E(lx)	D(m)
1	2357	0.84
2	589	1.68
3	262	2.52
4	147	3.35
5	94	4.19

Mono Spot Wall Large Ø56

Light Source: Power LED DC 950 mA - 11W - 970 lm - 2700K/CRI 90 / 11W - 1050 lm - 3000K/CRI 90
Power LED DC 1200 mA - 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 180° on the horizontal axis.
Integrated Full cut-off optical group.
The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 180° en eje horizontal.
Grupo óptico Full cut-off integrado.
La alimentación remota (no incluida) debe colocarse en un lugar accesible.
El marco de instalación ha de pedirse por separado.

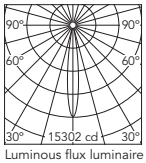
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1230.DYB
- 03.1230.DRB
- 03.1230.EQB
- 03.1230.ERB
- 03.1230.ESB

14° SPOT



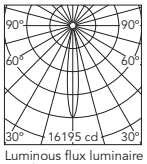
Luminous flux luminaire 1070 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15302	0.24
2	3825	0.48
3	1700	0.72
4	956	0.96
5	612	1.20

3000K
- 03.1235.DYB
- 03.1235.DRB
- 03.1235.EQB
- 03.1235.ERB
- 03.1235.ESB

14° SPOT



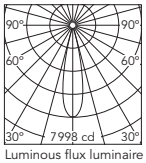
Luminous flux luminaire 1132 lm

Beam Angle: 14°

h(m)	E(lx)	D(m)
1	16195	0.24
2	4049	0.48
3	1799	0.72
4	1012	0.96
5	648	1.20

2700K
- 03.1231.DYB
- 03.1231.DRB
- 03.1231.EQB
- 03.1231.ERB
- 03.1231.ESB

23° MEDIUM



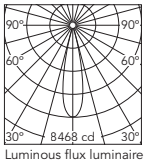
Luminous flux luminaire 1094 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7998	0.40
2	1999	0.80
3	889	1.20
4	500	1.60
5	320	2.00

3000K
- 03.1236.DYB
- 03.1236.DRB
- 03.1236.EQB
- 03.1236.ERB
- 03.1236.ESB

23° MEDIUM



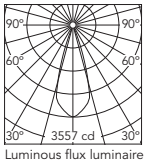
Luminous flux luminaire 1158 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8468	0.40
2	2117	0.80
3	941	1.20
4	529	1.60
5	339	2.00

2700K
- 03.1232.DYB
- 03.1232.DRB
- 03.1232.EQB
- 03.1232.ERB
- 03.1232.ESB

34° FLOOD



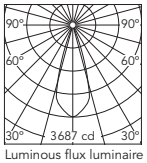
Luminous flux luminaire 1043 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3557	0.61
2	889	1.22
3	395	1.83
4	222	2.43
5	142	3.04

3000K
- 03.1237.DYB
- 03.1237.DRB
- 03.1237.EQB
- 03.1237.ERB
- 03.1237.ESB

34° FLOOD



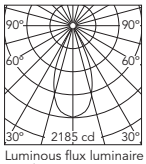
Luminous flux luminaire 1081 lm

Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3687	0.61
2	922	1.22
3	410	1.83
4	230	2.43
5	147	3.04

2700K
- 03.1233.DYB
- 03.1233.DRB
- 03.1233.EQB
- 03.1233.ERB
- 03.1233.ESB

45° WIDE FLOOD



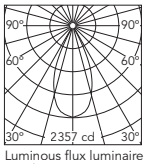
Luminous flux luminaire 1063 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2185	0.84
2	546	1.68
3	243	2.52
4	137	3.35
5	87	4.19

3000K
- 03.1238.DYB
- 03.1238.DRB
- 03.1238.EQB
- 03.1238.ERB
- 03.1238.ESB

45° WIDE FLOOD



Luminous flux luminaire 1146 lm

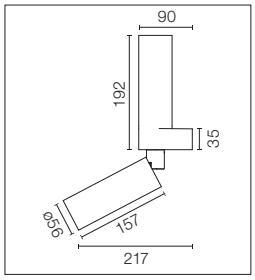
Beam Angle: 45°

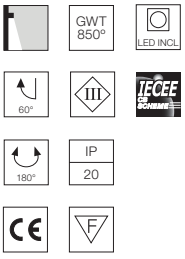
h(m)	E(lx)	D(m)
1	2357	0.84
2	589	1.68
3	262	2.52
4	147	3.35
5	94	4.19

Double Spot Wall Large Ø56

Light Source: Power LED DC 950 mA - 22W - 1940 lm - 2700K/CRI 90 / 22W - 2100 lm - 3000K/CRI 90
Power LED DC 1200 mA - 28W - 2450 lm - 2700K/CRI 90 / 28W - 2600 lm - 3000K/CRI 90







Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60º orientation on the vertical axis and 180º on the horizontal axis. Integrated Full cut-off optical group. Accessories integrated (up diffuser). The remote power supply (not included) must be placed in an accessible location. The installation frame must be ordered separately.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60º en eje vertical y 180º en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios integrados (difusor up). La alimentación remota (no incluida) debe colocarse en un lugar accesible. El marco de instalación ha de pedirse por separado

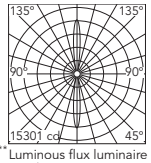
Recommended power supply / Equipos recomendados*:

	950 mA	1200 mA
Non Dimmable	60.7677	60.9276
Dimmable Dali 2 / Push	60.7678	60.9276
Dimmable 0/1-10V	60.9439	60.9276
Casambi	60.9207	60.9276+60.9392

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
- 03.1240.DYB
- 03.1240.DRB
- 03.1240.EQB
- 03.1240.ERB
- 03.1240.ESB

14° SPOT



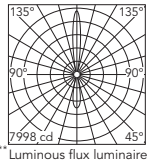
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15301	0.24
2	3825	0.48
3	1701	0.72
4	956	0.96
5	612	1.20

**Luminous flux luminaire 2139 lm

2700K
- 03.1241.DYB
- 03.1241.DRB
- 03.1241.EQB
- 03.1241.ERB
- 03.1241.ESB

23° MEDIUM



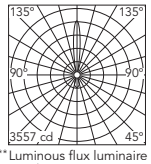
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7998	0.40
2	1999	0.80
3	889	1.20
4	500	1.60
5	320	2.00

**Luminous flux luminaire 2163 lm

2700K
- 03.1242.DYB
- 03.1242.DRB
- 03.1242.EQB
- 03.1242.ERB
- 03.1242.ESB

34° FLOOD



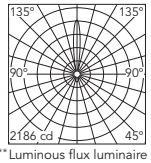
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3557	0.61
2	889	1.22
3	395	1.83
4	222	2.43
5	142	3.04

**Luminous flux luminaire 2112 lm

2700K
- 03.1243.DYB
- 03.1243.DRB
- 03.1243.EQB
- 03.1243.ERB
- 03.1243.ESB

45° WIDE FLOOD



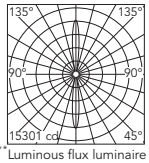
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2186	0.84
2	546	1.68
3	243	2.52
4	136	3.35
5	87	4.19

**Luminous flux luminaire 2132 lm

3000K
- 03.1245.DYB
- 03.1245.DRB
- 03.1245.EQB
- 03.1245.ERB
- 03.1245.ESB

14° SPOT



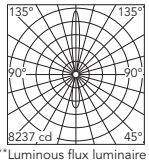
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	15301	0.24
2	3825	0.48
3	1701	0.72
4	956	0.96
5	612	1.20

**Luminous flux luminaire 2139 lm

3000K
- 03.1246.DYB
- 03.1246.DRB
- 03.1246.EQB
- 03.1246.ERB
- 03.1246.ESB

23° MEDIUM



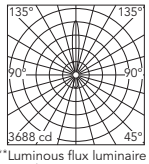
Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8237	0.40
2	2059	0.80
3	916	1.20
4	515	1.60
5	330	2.00

**Luminous flux luminaire 2228 lm

3000K
- 03.1247.DYB
- 03.1247.DRB
- 03.1247.EQB
- 03.1247.ERB
- 03.1247.ESB

34° FLOOD



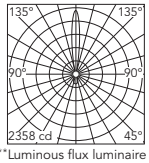
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3688	0.61
2	922	1.22
3	411	1.83
4	230	2.43
5	148	3.04

**Luminous flux luminaire 2150 lm

3000K
- 03.1248.DYB
- 03.1248.DRB
- 03.1248.EQB
- 03.1248.ERB
- 03.1248.ESB

45° WIDE FLOOD



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2358	0.84
2	589	1.68
3	261	2.52
4	146	3.35
5	95	4.19

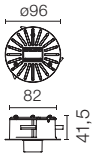
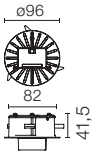
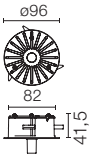
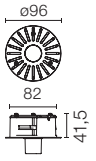
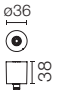
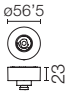
**Luminous flux luminaire 2216 lm

** Photometric data without up diffuser / Datos fotométricos sin difusor up.

HOW TO ORDER C1

	SURFACE					RECESSED			
	SMALL			LARGE		SMALL		LARGE	
	Ceiling	Wall	Wall flush	Ceiling	Wall flush	Ceiling	Wall	Ceiling	Wall
Mono Spot									
Mono Spot									
Double Spot									

Accessories / Accesorios

No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.			C1 Wall Small Mono 08.0206.00 C1 Wall Small Double 08.0227.00
No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.			C1 Wall Large Mono 08.0205.00A C1 Wall Large Double 08.0226.00A
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.			C1 Ceiling Small 08.0208.00
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.			C1 Ceiling Large 08.0207.00A
Coated aluminum mount for surface installation (wall).	Soporte en aluminio barnizado para instalación en superficie (pared).			C1 Wall Small Mono 08.0209.DY 08.0209.DR 08.0209.EQ 08.0209.ER 08.0209.ES C1 Wall Small Double 08.0228.DY 08.0228.DR 08.0228.EQ 08.0228.ER 08.0228.ES
Aluminum mount for surface flush installation (wall). Fit for resistant surfaces such as brick, wood or concrete. Not valid for plasterboard walls. Includes female connector cable 500 mm.	Soporte en aluminio para instalación en superficie enrasado (pared). Válido para superficies resistentes como ladrillo, madera u hormigón. No es válido para paredes de yeso laminado. Incluye cable conector hembra 500 mm.	 		C1 Wall Small Mono 08.0231.00 C1 Wall Small Double 08.0255.00 C1 Wall Large Mono 08.0210.00A C1 Wall Large Double 08.0254.00A
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).			C1 Ceiling Small 08.0211.DY 08.0211.DR 08.0211.EQ 08.0211.ER 08.0211.ES
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).			C1 Ceiling Large 08.0212.DYA 08.0212.DRA 08.0212.EQA 08.0212.ERA 08.0212.ESA

UT PRO SURFACE

DESIGNED BY FLOS ARCHITECTURAL

UT PRO SURFACE
150



LIGHT SOURCE
LED ARRAY
21W
2524 lm
3000K/CRI 80
2183 lm
3000K/CRI 90
2360 lm
4000K/CRI 90

UT PRO SURFACE
175



LIGHT SOURCE
LED ARRAY
46,5W
4740 lm
3000K/CRI 80
3960 lm
3000K/CRI 90
4278 lm
4000K/CRI 90

☐ 40 White
40 Blanco



■ 14 Black
14 Negro



Description
Indoor luminaire for surface installation, available in high power, LED technology light sources and regulator included.
The optical housing of the luminaire, as well as the container of the power supply equipment, is manufactured in high-pressure injected aluminium, with white or black finishes.
The luminaires include a power supply unit in the luminaire's own body.

Optic System
Available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.

Accessories
Shielding cylinder, elliptical lens, flood and honeycomb lens.

Additional Information
Possibility of 360° rotation in the vertical axis and 90° rotation in the horizontal axis. Blocking mechanism for horizontal axis integrated.
IP20 protection grade.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Compliance of Standards and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de interior para ser instalada en superficie, disponible con fuentes de luz de tecnología LED de alta potencia y regulador incluido.
El cuerpo óptico de la luminaria, así como el contenedor de los equipos de alimentación, están fabricados en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.
Las luminarias incluyen equipo de alimentación en el propio cuerpo de la luminaria.

Sistema Óptico
Se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.

Accesorios
Disponible cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.

Información Adicional
Posibilidad de rotación 360° en eje vertical y 90° en eje horizontal. Mecanismo de bloqueo para el eje horizontal incorporado.
Índice de protección IP20.

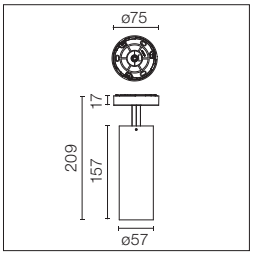
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

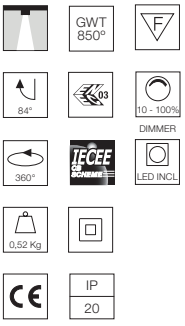
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

UT Pro Surface 150

Light Source: LED Array 21W - 2524 lm - 3000K/CRI 80 / 21W - 2183 lm - 3000K/CRI 90 / 21W - 2360 lm - 4000K/CRI 90





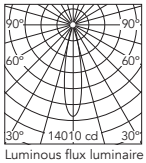


LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

3000K - CRI 80
On board dimmer
09.7290.40B
09.7290.14B

21°
SPOT

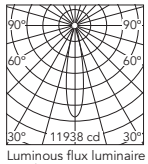


Luminous flux luminaire
2266 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	14010	0.37
2	3503	0.74
3	1557	1.11
4	876	1.48
5	560	1.85

3000K - CRI 90
On board dimmer
09.7296.40B
09.7296.14B

21°
SPOT

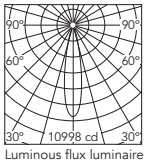


Luminous flux luminaire
1931 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	11938	0.37
2	2984	0.74
3	1326	1.11
4	746	1.48
5	478	1.85

4000K - CRI 90
On board dimmer
09.7291.40B
09.7291.14B

21°
SPOT

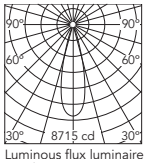


Luminous flux luminaire
1779 lm

Beam Angle:	21°	
h(m)	E(lx)	D(m)
1	10998	0.37
2	2750	0.74
3	1222	1.11
4	687	1.48
5	440	1.85

3000K - CRI 80
On board dimmer
09.7292.40B
09.7292.14B

27°
MEDIUM

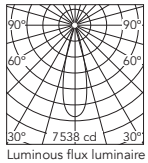


Luminous flux luminaire
1902 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	8715	0.49
2	2179	0.98
3	968	1.47
4	545	1.96
5	349	2.44

3000K - CRI 90
On board dimmer
09.7297.40B
09.7297.14B

27°
MEDIUM

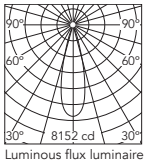


Luminous flux luminaire
1645 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	7538	0.49
2	1884	0.98
3	838	1.47
4	471	1.96
5	302	2.44

4000K - CRI 90
On board dimmer
09.7293.40B
09.7293.14B

27°
MEDIUM

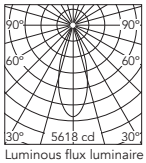


Luminous flux luminaire
1779 lm

Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	8152	0.49
2	2038	0.98
3	906	1.47
4	509	1.96
5	326	2.44

3000K - CRI 80
On board dimmer
09.7294.40B
09.7294.14B

35°
FLOOD

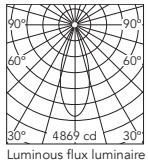


Luminous flux luminaire
1898 lm

Beam Angle:	35°	
h(m)	E(lx)	D(m)
1	5618	0.64
2	1404	1.27
3	624	1.91
4	351	2.54
5	225	3.18

3000K - CRI 90
On board dimmer
09.7298.40B
09.7298.14B

36°
FLOOD

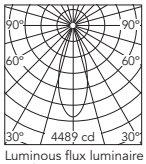


Luminous flux luminaire
1666 lm

Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4869	0.64
2	1217	1.28
3	541	1.92
4	304	2.56
5	195	3.20

4000K - CRI 90
On board dimmer
09.7295.40B
09.7295.14B

36°
FLOOD



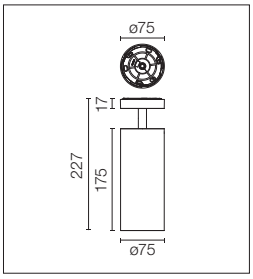
Luminous flux luminaire
1536 lm

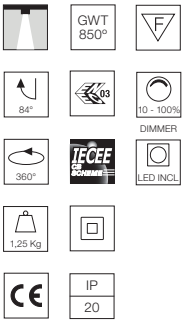
Beam Angle:	36°	
h(m)	E(lx)	D(m)
1	4489	0.64
2	1122	1.28
3	499	1.92
4	281	2.56
5	180	3.20

UT Pro Surface 175

Light Source: LED Array 46,5W - 4740 lm - 3000K/CRI 80 / 3960 lm - 3000K/CRI 90 / 4278 lm - 4000K/CRI 90





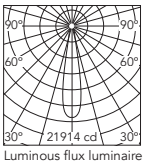


LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

3000K - CRI 80
On board dimmer
09.7320.40A
09.7320.14A

20° SPOT

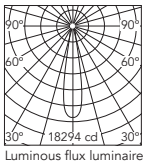


Luminous flux luminaire 3638 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	21906	0.35
2	5477	0.70
3	2434	1.04
4	1369	1.39
5	876	1.74

3000K - CRI 90
On board dimmer
09.7321.40A
09.7321.14A

20° SPOT

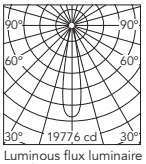


Luminous flux luminaire 3037 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	18287	0.35
2	4572	0.70
3	2032	1.04
4	1143	1.39
5	731	1.74

4000K - CRI 90
On board dimmer
09.7322.40A
09.7322.14A

20° SPOT

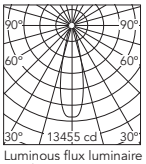


Luminous flux luminaire 3283 lm

Beam Angle:		20°
h(m)	E(lx)	D(m)
1	19769	0.35
2	4942	0.70
3	2197	1.04
4	1236	1.39
5	791	1.74

3000K - CRI 80
On board dimmer
09.7323.40A
09.7323.14A

27° MEDIUM

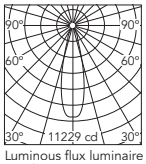


Luminous flux luminaire 3531 lm

Beam Angle:		27°
h(m)	E(lx)	D(m)
1	13450	0.48
2	3362	0.96
3	1494	1.44
4	841	1.93
5	538	2.41

3000K - CRI 90
On board dimmer
09.7324.40A
09.7324.14A

27° MEDIUM

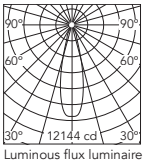


Luminous flux luminaire 2947 lm

Beam Angle:		27°
h(m)	E(lx)	D(m)
1	11225	0.48
2	2806	0.96
3	1247	1.44
4	702	1.93
5	449	2.41

4000K - CRI 90
On board dimmer
09.7325.40A
09.7325.14A

27° MEDIUM

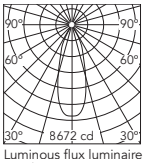


Luminous flux luminaire 3187 lm

Beam Angle:		27°
h(m)	E(lx)	D(m)
1	12140	0.48
2	3035	0.96
3	1349	1.44
4	759	1.93
5	486	2.41

3000K - CRI 80
On board dimmer
09.7326.40A
09.7326.14A

34° FLOOD

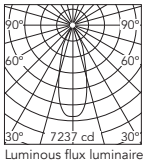


Luminous flux luminaire 3476 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	8672	0.61
2	2168	1.22
3	964	1.83
4	542	2.44
5	347	3.04

3000K - CRI 90
On board dimmer
09.7327.40A
09.7327.14A

34° FLOOD

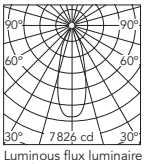


Luminous flux luminaire 2901 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	7237	0.61
2	1809	1.22
3	804	1.83
4	452	2.44
5	289	3.04

4000K - CRI 90
On board dimmer
09.7328.40A
09.7328.14A

34° FLOOD



Luminous flux luminaire 3137 lm

Beam Angle:		34°
h(m)	E(lx)	D(m)
1	7826	0.61
2	1957	1.22
3	870	1.83
4	489	2.44
5	313	3.04

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro Surface 150 08.8429.00 UT Pro Surface 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro Surface 150 08.8431.00 UT Pro Surface 175 08.9109.00
Flood lens.	Lente flood.		UT Pro Surface 150 08.8432.00 UT Pro Surface 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro Surface 150 08.8428.00 UT Pro Surface 175 08.9107.00
Snoot shielding cone.	Cono apantallador.	 	UT Pro Surface 150 08.0526.00 08.0526.40 08.0526.BW UT Pro Surface 175 08.9111.00

KAP SURFACE&SUSPENSION

DESIGNED BY FLOS ARCHITECTURAL

CEILING
Ø80 ROUND



CEILING
80 SQUARE



LIGHT SOURCE
LED ARRAY
11,3W
935 lm
2700K/CRI 90
974 lm
3000K/CRI 90

CEILING
Ø100



WALL
Ø100



SUSPENSION
Ø100



LIGHT SOURCE
POWER LED
9W
1000 lm
3000K/CRI 80

Outside / Exterior

- B1 White / B1 Blanco
- 14 Black / 14 Negro
- 18 Deep Brown / 18 Deep Brown

Inside / Interior

- White / Blanco
- Matte Gold / Oro Mate
- Copper / Cobre
- Black / Negro

Kap 80
Round / Square



Outside / Exterior

- 11 White / 11 Blanco
- AS Brushed Aluminium / AS Aluminio Satinado
- AN Black / AN Negro
- B3 Brown / B3 Marrón

Inside / Interior

- White / Blanco
- Matte Gold / Oro Mate
- Copper / Cobre
- Black / Negro

Kap Ø100



Description
Family of luminaires with direct or indirect lighting depending on the version, to be installed on ceilings, walls or suspended. Version Ø80 comes with round or square lighting modules.
The main body of the luminaire is made of extruded aluminum.
Kap 80 Surface version is available in three external finishes (black, white and deep brown) and four internal finishes (white, matte gold, copper and black).
The other versions are available in four external finishes (white, polished aluminium, black and brown) and four internal finishes (white, matte gold, copper and black).

Reflectors
Version Ø100 has an internal reflector in painted polycarbonate in its internal part, while version Ø80 has a reflector in painted aluminum. Furthermore, both versions incorporate a diffusing lens in opal polycarbonate to ensure uniform light distribution.

Power Supply
Electronic transformer incorporated.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Additional Information
IP20 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Familia de luminarias con iluminación directa o iluminación directa e indirecta según versión, para ser instalada a techo, a pared o suspendida. La versión Ø80 cuenta con módulos de iluminación redondos y cuadrados.
El cuerpo principal de la luminaria está realizado en aluminio extruido.
La versión Kap 80 Surface está disponible en tres acabados exteriores (blanco, negro y deep brown) y cuatro acabados interiores (blanco, oro mate, cobre y negro).
El resto de versiones están disponibles en 4 acabados exteriores (blanco, aluminio pulido, negro y marrón) y 4 acabados interiores (blanco, oro mate, cobre y negro).

Reflectores
La versión Ø100 dispone de un reflector interior realizado en policarbonato pintado por la parte interna, mientras que la versión Ø80 cuenta con un reflector realizado en aluminio pintado. Además, ambas versiones incorporan una lente difusora realizada en policarbonato opal para ofrecer una luz uniforme.

Unidades de Alimentación
Transformador electrónico incorporado.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Información Adicional
Índice de protección IP20.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

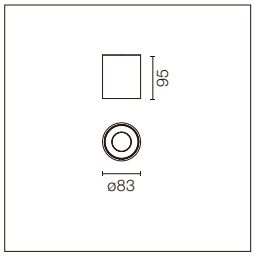
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

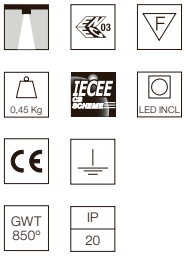
Ceiling Suspension Wall

Kap 80 Surface Ceiling Round

Light Source: LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90







Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

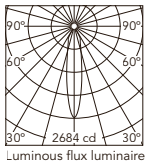
E I

Non Dimmable
03.6020.B1
03.6020.14
03.6020.18

Mains Dimming
03.5920.B1
03.5920.14
03.5920.18

Dali/Push Version
03.6020.B1ADA
03.6020.14ADA
03.6020.18ADA





Luminous flux luminaire
710 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2684 0.34
2	671 0.68
3	298 1.02
4	168 1.36
5	107 1.70

Non Dimmable
03.6021.B1
03.6021.14
03.6021.18

Mains Dimming
03.5921.B1
03.5921.14
03.5921.18

Dali/Push Version
03.6021.B1ADA
03.6021.14ADA
03.6021.18ADA

Non Dimmable
03.6028.B1
03.6028.14
03.6028.18

Mains Dimming
03.5928.B1
03.5928.14
03.5928.18

Dali/Push Version
03.6028.B1ADA
03.6028.14ADA
03.6028.18ADA

Non Dimmable
03.6023.B1
03.6023.14
03.6023.18

Mains Dimming
03.5923.B1
03.5923.14
03.5923.18

Dali/Push Version
03.6023.B1ADA
03.6023.14ADA
03.6023.18ADA

Optic Spot 3000K

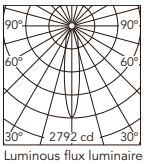
E I

Non Dimmable
03.6024.B1
03.6024.14
03.6024.18

Mains Dimming
03.5924.B1
03.5924.14
03.5924.18

Dali/Push Version
03.6024.B1ADA
03.6024.14ADA
03.6024.18ADA





Luminous flux luminaire
739 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:	19°
h(m)	E(lx) D(m)
1	2792 0.34
2	698 0.68
3	310 1.02
4	175 1.36
5	112 1.70

Non Dimmable
03.6025.B1
03.6025.14
03.6025.18

Mains Dimming
03.5925.B1
03.5925.14
03.5925.18

Dali/Push Version
03.6025.B1ADA
03.6025.14ADA
03.6025.18ADA

Non Dimmable
03.6029.B1
03.6029.14
03.6029.18

Mains Dimming
03.5929.B1
03.5929.14
03.5929.18

Dali/Push Version
03.6029.B1ADA
03.6029.14ADA
03.6029.18ADA

Non Dimmable
03.6027.B1
03.6027.14
03.6027.18

Mains Dimming
03.5927.B1
03.5927.14
03.5927.18

Dali/Push Version
03.6027.B1ADA
03.6027.14ADA
03.6027.18ADA

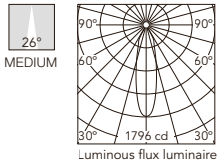
Optic Medium 2700K

E I

Non Dimmable
03.6000.B1
03.6000.14
03.6000.18

Mains Dimming
03.5900.B1
03.5900.14
03.5900.18

Dali/Push Version
03.6000.B1ADA
03.6000.14ADA
03.6000.18ADA



Luminous flux luminaire
606 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	1796	0.46
2	449	0.92
3	200	1.39
4	112	1.85
5	72	2.31

Non Dimmable
03.6001.B1
03.6001.14
03.6001.18

Mains Dimming
03.5901.B1
03.5901.14
03.5901.18

Dali/Push Version
03.6001.B1ADA
03.6001.14ADA
03.6001.18ADA

Non Dimmable
03.6008.B1
03.6008.14
03.6008.18

Mains Dimming
03.5908.B1
03.5908.14
03.5908.18

Dali/Push Version
03.6008.B1ADA
03.6008.14ADA
03.6008.18ADA

Non Dimmable
03.6003.B1
03.6003.14
03.6003.18

Mains Dimming
03.5903.B1
03.5903.14
03.5903.18

Dali/Push Version
03.6003.B1ADA
03.6003.14ADA
03.6003.18ADA

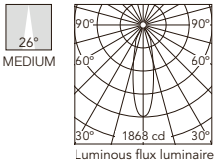
Optic Medium 3000K

E I

Non Dimmable
03.6004.B1
03.6004.14
03.6004.18

Mains Dimming
03.5904.B1
03.5904.14
03.5904.18

Dali/Push Version
03.6004.B1ADA
03.6004.14ADA
03.6004.18ADA



Luminous flux luminaire
630 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	1868	0.46
2	467	0.92
3	208	1.39
4	117	1.85
5	75	2.31

Non Dimmable
03.6005.B1
03.6005.14
03.6005.18

Mains Dimming
03.5905.B1
03.5905.14
03.5905.18

Dali/Push Version
03.6005.B1ADA
03.6005.14ADA
03.6005.18ADA

Non Dimmable
03.6009.B1
03.6009.14
03.6009.18

Mains Dimming
03.5909.B1
03.5909.14
03.5909.18

Dali/Push Version
03.6009.B1ADA
03.6009.14ADA
03.6009.18ADA

Non Dimmable
03.6007.B1
03.6007.14
03.6007.18

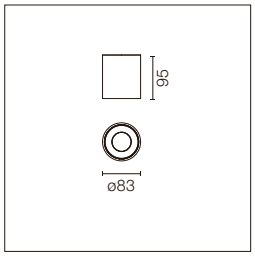
Mains Dimming
03.5907.B1
03.5907.14
03.5907.18

Dali/Push Version
03.6007.B1ADA
03.6007.14ADA
03.6007.18ADA

Kap 80 Surface Ceiling Round

Light Source: LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90







Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

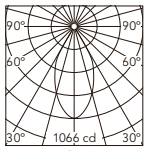
Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Flood 2700K

E I Non Dimmable
03.6040.B1
03.6040.14
03.6040.18
Mains Dimming
03.5940.B1
03.5940.14
03.5940.18
Dali/Push Version
03.6040.B1ADA
03.6040.14ADA
03.6040.18ADA





Luminous flux luminaire
688 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1066	0.93
2	266	1.86
3	118	2.79
4	67	3.72
5	43	4.65

Non Dimmable
03.6041.B1
03.6041.14
03.6041.18
Mains Dimming
03.5941.B1
03.5941.14
03.5941.18
Dali/Push Version
03.6041.B1ADA
03.6041.14ADA
03.6041.18ADA

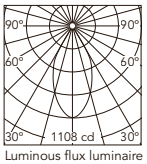
Non Dimmable
03.6048.B1
03.6048.14
03.6048.18
Mains Dimming
03.5948.B1
03.5948.14
03.5948.18
Dali/Push Version
03.6048.B1ADA
03.6048.14ADA
03.6048.18ADA

Non Dimmable
03.6043.B1
03.6043.14
03.6043.18
Mains Dimming
03.5943.B1
03.5943.14
03.5943.18
Dali/Push Version
03.6043.B1ADA
03.6043.14ADA
03.6043.18ADA

Optic Flood 3000K

E I Non Dimmable
03.6044.B1
03.6044.14
03.6044.18
Mains Dimming
03.5944.B1
03.5944.14
03.5944.18
Dali/Push Version
03.6044.B1ADA
03.6044.14ADA
03.6044.18ADA





Luminous flux luminaire
715 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1108	0.93
2	277	1.86
3	123	2.79
4	69	3.72
5	44	4.65

Non Dimmable
03.6045.B1
03.6045.14
03.6045.18
Mains Dimming
03.5945.B1
03.5945.14
03.5945.18
Dali/Push Version
03.6045.B1ADA
03.6045.14ADA
03.6045.18ADA

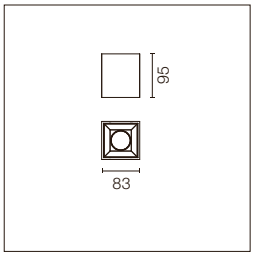
Non Dimmable
03.6049.B1
03.6049.14
03.6049.18
Mains Dimming
03.5949.B1
03.5949.14
03.5949.18
Dali/Push Version
03.6049.B1ADA
03.6049.14ADA
03.6049.18ADA

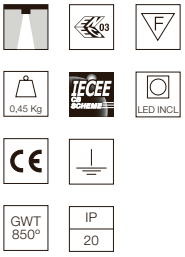
Non Dimmable
03.6047.B1
03.6047.14
03.6047.18
Mains Dimming
03.5947.B1
03.5947.14
03.5947.18
Dali/Push Version
03.6047.B1ADA
03.6047.14ADA
03.6047.18ADA

Kap 80 Surface Ceiling Square

Light Source: LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90







Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

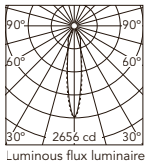
E I Non Dimmable
03.6030.B1
03.6030.14
03.6030.18
Mains Dimming
03.5930.B1
03.5930.14
03.5930.18
Dali/Push Version
03.6030.B1ADA
03.6030.14ADA
03.6030.18ADA

Non Dimmable
03.6031.B1
03.6031.14
03.6031.18
Mains Dimming
03.5931.B1
03.5931.14
03.5931.18
Dali/Push Version
03.6031.B1ADA
03.6031.14ADA
03.6031.18ADA

Non Dimmable
03.6038.B1
03.6038.14
03.6038.18
Mains Dimming
03.5938.B1
03.5938.14
03.5938.18
Dali/Push Version
03.6038.B1ADA
03.6038.14ADA
03.6038.18ADA

Non Dimmable
03.6033.B1
03.6033.14
03.6033.18
Mains Dimming
03.5933.B1
03.5933.14
03.5933.18
Dali/Push Version
03.6033.B1ADA
03.6033.14ADA
03.6033.18ADA

18° SPOT



Luminous flux luminaire 741 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2656	0.31
2	664	0.62
3	295	0.94
4	166	1.25
5	106	1.56

Optic Spot 3000K

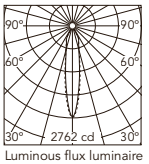
E I Non Dimmable
03.6034.B1
03.6034.14
03.6034.18
Mains Dimming
03.5934.B1
03.5934.14
03.5934.18
Dali/Push Version
03.6034.B1ADA
03.6034.14ADA
03.6034.18ADA

Non Dimmable
03.6035.B1
03.6035.14
03.6035.18
Mains Dimming
03.5935.B1
03.5935.14
03.5935.18
Dali/Push Version
03.6035.B1ADA
03.6035.14ADA
03.6035.18ADA

Non Dimmable
03.6039.B1
03.6039.14
03.6039.18
Mains Dimming
03.5939.B1
03.5939.14
03.5939.18
Dali/Push Version
03.6039.B1ADA
03.6039.14ADA
03.6039.18ADA

Non Dimmable
03.6037.B1
03.6037.14
03.6037.18
Mains Dimming
03.5937.B1
03.5937.14
03.5937.18
Dali/Push Version
03.6037.B1ADA
03.6037.14ADA
03.6037.18ADA

18° SPOT



Luminous flux luminaire 771 lm (EXTREME CUT OFF)
@White (B1)

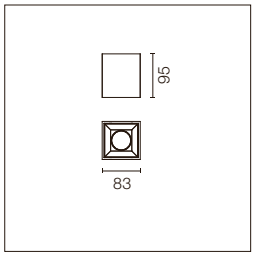
Beam Angle: 18°

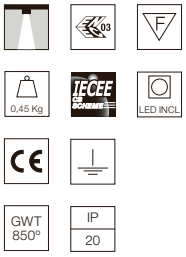
h(m)	E(lx)	D(m)
1	2762	0.31
2	691	0.62
3	307	0.94
4	173	1.25
5	110	1.56

Kap 80 Surface Ceiling Square

Light Source: LED Array 11,3W - 935 lm - 2700K/CRI 90 / 11,3W - 974 lm - 3000K/CRI 90







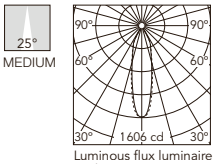
Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Medium 2700K



Luminous flux luminaire 615 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1606	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

E I

Non Dimmable
03.6010.B1
03.6010.14
03.6010.18

Mains Dimming
03.5910.B1
03.5910.14
03.5910.18

Dali/Push Version
03.6010.B1ADA
03.6010.14ADA
03.6010.18ADA

Non Dimmable
03.6011.B1
03.6011.14
03.6011.18

Mains Dimming
03.5911.B1
03.5911.14
03.5911.18

Dali/Push Version
03.6011.B1ADA
03.6011.14ADA
03.6011.18ADA

Non Dimmable
03.6018.B1
03.6018.14
03.6018.18

Mains Dimming
03.5918.B1
03.5918.14
03.5918.18

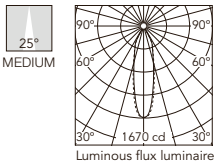
Dali/Push Version
03.6018.B1ADA
03.6018.14ADA
03.6018.18ADA

Non Dimmable
03.6013.B1
03.6013.14
03.6013.18

Mains Dimming
03.5913.B1
03.5913.14
03.5913.18

Dali/Push Version
03.6013.B1ADA
03.6013.14ADA
03.6013.18ADA

Optic Medium 3000K



Luminous flux luminaire 640 lm (EXTREME CUT OFF)

@White (B1)

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	1670	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

E I

Non Dimmable
03.6014.B1
03.6014.14
03.6014.18

Mains Dimming
03.5914.B1
03.5914.14
03.5914.18

Dali/Push Version
03.6014.B1ADA
03.6014.14ADA
03.6014.18ADA

Non Dimmable
03.6015.B1
03.6015.14
03.6015.18

Mains Dimming
03.5915.B1
03.5915.14
03.5915.18

Dali/Push Version
03.6015.B1ADA
03.6015.14ADA
03.6015.18ADA

Non Dimmable
03.6019.B1
03.6019.14
03.6019.18

Mains Dimming
03.5919.B1
03.5919.14
03.5919.18

Dali/Push Version
03.6019.B1ADA
03.6019.14ADA
03.6019.18ADA

Non Dimmable
03.6017.B1
03.6017.14
03.6017.18

Mains Dimming
03.5917.B1
03.5917.14
03.5917.18

Dali/Push Version
03.6017.B1ADA
03.6017.14ADA
03.6017.18ADA

Optic Flood 2700K

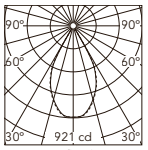
E I

Non Dimmable
03.6050.B1
03.6050.14
03.6050.18

Mains Dimming
03.5950.B1
03.5950.14
03.5950.18

Dali/Push Version
03.6050.B1ADA
03.6050.14ADA
03.6050.18ADA





Luminous flux luminaire
723 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	921	1.03
2	230	2.07
3	102	3.10
4	58	4.14
5	37	5.17

Non Dimmable
03.6051.B1
03.6051.14
03.6051.18

Mains Dimming
03.5951.B1
03.5951.14
03.5951.18

Dali/Push Version
03.6051.B1ADA
03.6051.14ADA
03.6051.18ADA

Non Dimmable
03.6058.B1
03.6058.14
03.6058.18

Mains Dimming
03.5958.B1
03.5958.14
03.5958.18

Dali/Push Version
03.6058.B1ADA
03.6058.14ADA
03.6058.18ADA

Non Dimmable
03.6053.B1
03.6053.14
03.6053.18

Mains Dimming
03.5953.B1
03.5953.14
03.5953.18

Dali/Push Version
03.6053.B1ADA
03.6053.14ADA
03.6053.18ADA

Optic Flood 3000K

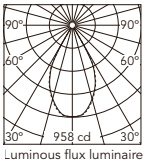
E I

Non Dimmable
03.6054.B1
03.6054.14
03.6054.18

Mains Dimming
03.5954.B1
03.5954.14
03.5954.18

Dali/Push Version
03.6054.B1ADA
03.6054.14ADA
03.6054.18ADA





Luminous flux luminaire
752 lm (EXTREME CUT OFF)
@White (B1)

Beam Angle: 55°

h(m)	E(lx)	D(m)
1	958	1.03
2	240	2.07
3	106	3.10
4	60	4.14
5	38	5.17

Non Dimmable
03.6055.B1
03.6055.14
03.6055.18

Mains Dimming
03.5955.B1
03.5955.14
03.5955.18

Dali/Push Version
03.6055.B1ADA
03.6055.14ADA
03.6055.18ADA

Non Dimmable
03.6059.B1
03.6059.14
03.6059.18

Mains Dimming
03.5959.B1
03.5959.14
03.5959.18

Dali/Push Version
03.6059.B1ADA
03.6059.14ADA
03.6059.18ADA

Non Dimmable
03.6057.B1
03.6057.14
03.6057.18

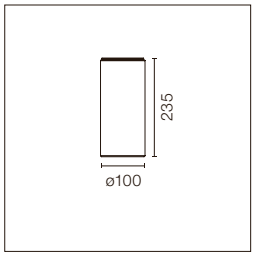
Mains Dimming
03.5957.B1
03.5957.14
03.5957.18

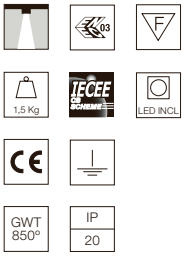
Dali/Push Version
03.6057.B1ADA
03.6057.14ADA
03.6057.18ADA

Kap Surface Ceiling

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







Luminaire for mounting on the ceiling with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

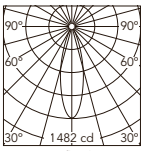
E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
- 03.4520.11B
- 03.4520.ASB
- 03.4520.ANB
- 03.4520.B3B





Luminous flux luminaire
550 lm

@White (B1)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

E I
- 03.4521.11B
- 03.4521.ASB
- 03.4521.ANB
- 03.4521.B3B

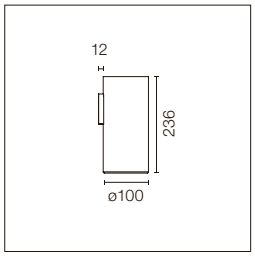
E I
- 03.4524.11B
- 03.4524.ASB
- 03.4524.ANB
- 03.4524.B3B

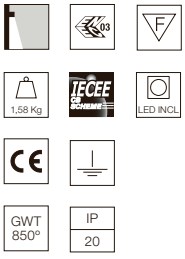
E I
- 03.4523.11B
- 03.4523.ASB
- 03.4523.ANB
- 03.4523.B3B

Kap Surface Wall

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







Luminaire for wall mounting with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

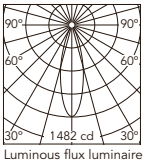
E= External Finish
I= Internal Finish

Luminaria para ser instalada a pared con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
- 03.5730.11B
- 03.5730.ASB
- 03.5730.ANB
- 03.5730.B3B





Luminous flux luminaire
550 lm

@White (B1)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

E I
- 03.5731.11B
- 03.5731.ASB
- 03.5731.ANB
- 03.5731.B3B

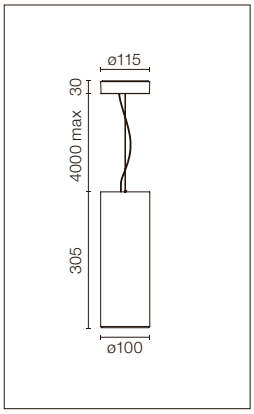
E I
- 03.5734.11B
- 03.5734.ASB
- 03.5734.ANB
- 03.5734.B3B

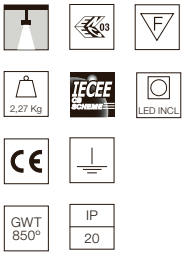
E I
- 03.5733.11B
- 03.5733.ASB
- 03.5733.ANB
- 03.5733.B3B

Kap Suspension

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80







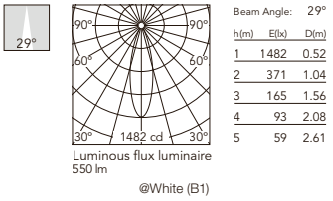
Suspended ceiling-mounted luminaire with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

E= External Finish
I= Internal Finish

Luminaria suspendida para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= Acabado Externo
I= Acabado Interno

E I
03.5810.11B
03.5810.ASB
03.5810.ANB
03.5810.B3B



Luminous flux luminaire 550 lm
@White (B1)

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

E I
03.5811.11B
03.5811.ASB
03.5811.ANB
03.5811.B3B

E I
03.5814.11B
03.5814.ASB
03.5814.ANB
03.5814.B3B

E I
03.5813.11B
03.5813.ASB
03.5813.ANB
03.5813.B3B

SUPER LINE&PRO

DESIGNED BY FLOS ARCHITECTURAL

SUPER LINE UP&DOWN INDIRECT



LIGHT SOURCE
TOP LED
58W
4488 lm UP
2160 lm DOWN
3000K/CRI 90

4794 lm UP
2280 lm DOWN
4000K/CRI 90

SUPER LINE UP&DOWN DIRECT



LIGHT SOURCE
TOP LED
58W
2268 lm UP
4488 lm DOWN
3000K/CRI 90

2376 lm UP
4794 lm DOWN
4000K/CRI 90

SUPER LINE DOWN



LIGHT SOURCE
TOP LED
38,6W
4488 lm
3000K/CRI 90
4794 lm
4000K/CRI 90

SUPER LINE PRO UP&DOWN



LIGHT SOURCE
TOP LED
60W
UP TO 4075 lm UP
UP TO 4605 lm DOWN
3000K/CRI 90

UP TO 4337 lm UP
UP TO 4900 lm DOWN
4000K/CRI 90

SUPER LINE PRO DOWN



LIGHT SOURCE
TOP LED
40W
UP TO 5072 lm
3000K/CRI 90
UP TO 4765 lm
4000K/CRI 90

	40 White 40 Blanco	02 Grey 02 Gris	14 Black 14 Negro	ET Brushed Brass ET Latón Cepillado	EU Brushed Rose Gold EU Oro Rosa Cepillado
Super Line					
Super Line Pro					

Super Line



Super Line Pro



Description
Collection of suspended luminaries for general lighting with a signature minimalist shape, designed to offer high-performance lighting, light quality and visual comfort combined in a very compact size.
The Super Line Pro version was designed to meet all requirements to reduce glare and improve visual comfort in offices, complying with the most restrictive conditions. A UGR less than 14 and a maximum intensity value less than 3000 cd/m^2 at an angle of 65º according to the standard, guarantee the best conditions for workplaces and make it perfect for many other applications. (Refer to the UGR chart in the accessories section).
The main body of the lights is made from extruded aluminium. Super Line is equipped with a multilayer diffusion filter which, thanks to its combination of elliptical and prism-shaped filters, ensures that the light is perfectly distributed and improves the overall visual effect, as well as providing comfort with its anti-glare properties.
Super Line Up&Down is available in two different versions:
- Indirect: a version which is better for emitting light indirectly upwards, with a greater intensity of indirect luminosity that homogenizes the lighting area, designed to provide UGR<19 and the perfect lighting conditions for offices.
- Direct: a version which is better for direct lighting and maximises efficiency, but at the same time prevents any “cave effect” with its indirect intensity, guaranteeing a high level of comfort.
Super Line Pro Up&Down comes in only one version that can be adjusted using the corresponding driver to offer a higher flux in the upper or lower part.
To minimise the visual impact of the collection, the suspension cables are also the wires, which eliminates the need for a power supply cable. Suspension length: 4,25 meters.

Installation Information
The Super Line is constructed combining the selected light source module with one of the three existing installation kits:
- Surface Kit: includes surface mounted box including the power supply driver.
- Integrated Kit: includes flush-recessed installation box, including power supply driver.
- Remote Power Supply Kit: includes an accessory as pass-through cable protection as well as a power supply driver for a remote accessable installation.
All installation kits are available either in DALI version or in a non dimmable version.
Super Line Pro uses the same power kits. For the Up&Down version, the power sources have two outputs to the light fitting, each with an amount of current (mA). By connecting each of these outputs to an input of the light fitting (Up or Down), a higher or lower flux can be chosen for each part.
The non dimmable versions are equipped with a multi-current driver that can be set during the installation in order to achieve the required illumination conditions. The Super Line installation kits come from factory at 100% of their nominal power.
All luminaries host a high-precision circular level, simplifying the installation of the luminaire, controlling calibration in both axles.

Additional Information
Insulation class I.
IP20 protection grade.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Colección de luminarias suspendidas para una iluminación general con una distintiva forma minimalista y diseñadas para ofrecer una iluminación de calidad y alto rendimiento, así como un confort visual, combinados en un tamaño realmente compacto.
La versión Super Line Pro ha sido diseñada para cumplir todos los requisitos contra deslumbramiento y confort visual en oficinas, que son las condiciones más restrictivas. Ofreciendo un UGR menor de 14 y un valor de intensidad máxima en un ángulo de 65º acorde a la norma menor de 3000 cd/m^2, lo que garantiza las mejores condiciones en espacios de trabajo y la hace perfecta para muchas otras aplicaciones. (Ver tablas UGR en el apartado de Accesorios).
El cuerpo principal de las luminarias está fabricado en aluminio extruido. Super Line está equipado con un filtro difusor técnico multicapa que, gracias a su combinación de filtros prismáticos y elípticos, asegura una distribución perfecta de la luz y mejora el efecto óptico y el confort visual mediante sus propiedades antideslumbramiento.
Super Line Up&Down está disponible en dos versiones:
- Indirect: versión que privilegia la emisión indirecta hacia arriba, con una intensidad luminosa indirecta más importante que homogeneiza el entorno de iluminación, diseñada para ofrecer un UGR<19 y la condición luminosa ideal requerida en espacios de trabajo.
- Direct: versión que privilegia la iluminación directa y maximiza la eficiencia, pero al mismo tiempo previene el “efecto cueva” con su intensidad indirecta garantizando un alto nivel de confort.
Super Line Pro Up&Down solo tiene una versión que se puede ajustar mediante el driver correspondiente para ofrecer mayor cantidad de flujo en su parte superior o inferior.
Para minimizar el impacto visual de la colección los propios cables de suspensión son los conductores, por lo que se elimina la manguera de alimentación. La longitud de suspensión es de 4,25 m.

Información de Instalación
Super Line se ha creado combinando el módulo de fuente de luz seleccionado con uno de los tres kits de instalación existentes:
- Surface Kit: incluye caja para ser instalada en superficie que incluye la fuente de alimentación.
- Integrated Kit: incluye caja de instalación a ras o encastrada que incluye la fuente de alimentación.
- Remote Power Supply Kit: incluye accesorio pasamuro para proteger los cables. Incluye fuente de alimentación para una instalación accesible a distancia.
Todos los kits de instalación están disponibles en versión DALI o en versión no regulable.
Super Line PRO dispone de los mismos kits de alimentación. Para la versión Up&Down las fuentes de alimentación disponen de dos salidas hacia la luminaria, cada una con una intensidad de corriente (mA). Conectando estas salidas a cada una a las entradas (Up o Down) de la luminaria se selecciona el flujo mayoritario y minoritario en cada parte.
Las versiones no regulables están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación necesarias. Los kits de instalación de Super Line vienen regulados desde nuestra fábrica con el 100% de su potencia nominal.
Todas las luminarias disponen de un nivel circular de alta precisión que simplifica la instalación de la misma y controla la calibración en ambos ejes.

Información Adicional
Clase de aislamiento I.
índice de protección IP20.

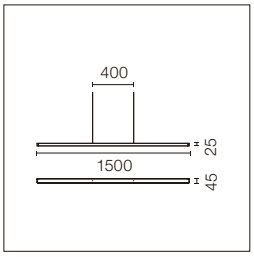
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

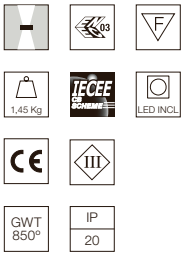
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Super Line Up&Down Indirect

Light Source: Top LED 58W - 4488 lm UP - 2160 lm DOWN - 3000K/CRI 90 / 58W - 4794 lm UP - 2260 lm DOWN - 4000K/CRI 90



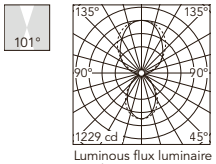




LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9502.40
- 03.9502.02
- 03.9502.14
- 03.9502.ET
- 03.9502.EU

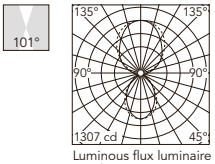


Luminous flux luminaire 4914 lm

Beam Angle DIR: 101°

h(m)	E(lx)	D(m)
1	1229	2.39
2	307	4.78
3	137	7.17
4	77	9.57
5	49	11.96

4000K
- 03.9503.40
- 03.9503.02
- 03.9503.14
- 03.9503.ET
- 03.9503.EU



Luminous flux luminaire 5225 lm

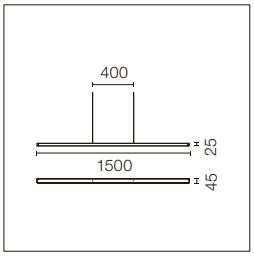
Beam Angle DIR: 101°

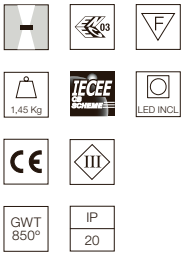
h(m)	E(lx)	D(m)
1	1307	2.39
2	327	4.78
3	145	7.17
4	82	9.57
5	52	11.96

Super Line Up&Down Direct

Light Source: Top LED 58W - 2268 lm UP - 4488 lm DOWN - 3000K/CRI 90 / 58W - 2376 lm UP - 4794 lm DOWN - 4000K/CRI 90



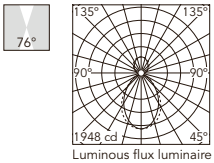




LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9500.40
- 03.9500.02
- 03.9500.14
- 03.9500.ET
- 03.9500.EU

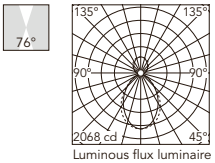


Luminous flux luminaire 5154 lm

Beam Angle DIR: 82°

h(m)	E(lx)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

4000K
- 03.9501.40
- 03.9501.02
- 03.9501.14
- 03.9501.ET
- 03.9501.EU



Luminous flux luminaire 5472 lm

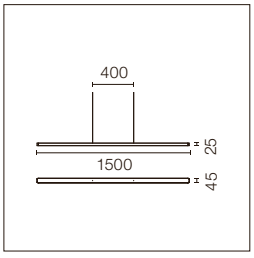
Beam Angle DIR: 82°

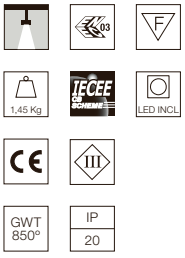
h(m)	E(lx)	D(m)
1	2068	1.57
2	517	3.13
3	230	4.70
4	129	6.27
5	83	7.84

Super Line Down

Light Source: Top LED 38,5W - 4488 lm - 3000K/CRI 90 / 38,5W- 4794 lm - 4000K/CRI 90



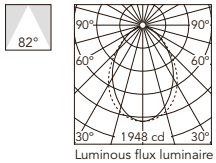




LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

3000K
- 03.9510.40
- 03.9510.02
- 03.9510.14
- 03.9510.ET
- 03.9510.EU

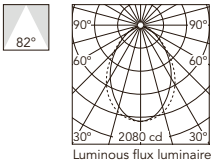


Luminous flux luminaire 3571 lm

Beam Angle: 82°

h(m)	E(lx)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

4000K
- 03.9511.40
- 03.9511.02
- 03.9511.14
- 03.9511.ET
- 03.9511.EU



Luminous flux luminaire 3814 lm

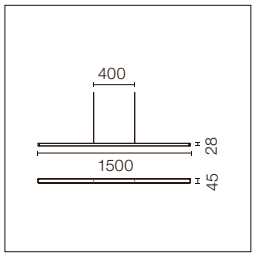
Beam Angle: 82°

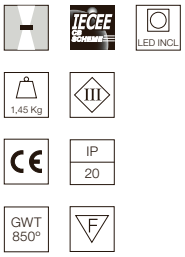
h(m)	E(lx)	D(m)
1	2080	1.57
2	520	3.13
3	231	4.70
4	130	6.27
5	83	7.84

Super Line Pro Up&Down

Light Source: Majority UP - Top LED 60W - 4075 lm UP - 2500 lm DOWN - 3000K/CRI 90 / 60W - 4335 lm UP - 2660 lm DOWN - 4000K/CRI 90
Majority DOWN - Top LED 60W - 2590 lm UP - 4605 lm DOWN - 3000K/CRI 90 / 60W - 2755 lm UP - 4900 lm DOWN - 4000K/CRI 90





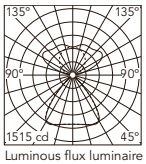


LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately. Greater Up or Down intensity can be selected using power kits with a device with two independent outputs.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.
La selección del de mayor intensidad Up o Down, se realiza en los Kits de alimentación que disponen de un equipo con dos salidas independientes.

3000K
- 03.9560.40
- 03.9560.02
- 03.9560.14
- 03.9560.ET
- 03.9560.EU

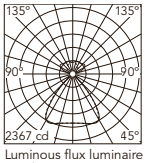




Luminous flux luminaire
6172 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	1515	1.68
2	379	3.35
3	168	5.03
4	95	6.71
5	61	8.38





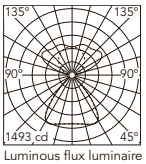
Luminous flux luminaire
6314 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	2367	1.68
2	592	3.36
3	263	5.04
4	148	6.72
5	95	8.40

@White (40)

4000K
- 03.9561.40
- 03.9561.02
- 03.9561.14
- 03.9561.ET
- 03.9561.EU

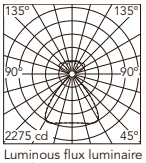




Luminous flux luminaire
6135 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	1493	1.68
2	373	3.35
3	166	5.03
4	93	6.71
5	60	8.38





Luminous flux luminaire
6172 lm

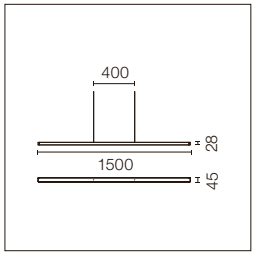
Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	2275	1.68
2	569	3.36
3	253	5.04
4	142	6.72
5	91	8.40

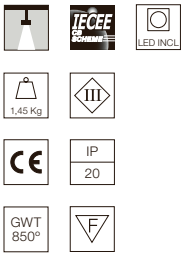
@White (40)

Super Line Pro Down

Light Source: Top LED 40W - 4765 lm - 3000K/CRI 90 / 40W- 5070 lm - 4000K/CRI 90





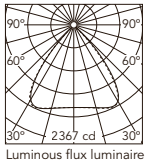


LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately, allowing the maximum brightness to be selected.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión.
Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado, pudiendo seleccionar la intensidad máxima.

3000K
- 03.9570.40
- 03.9570.02
- 03.9570.14
- 03.9570.ET
- 03.9570.EU





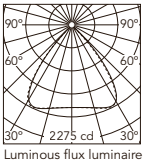
Luminous flux luminaire
3955 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	2367	1.68
2	592	3.36
3	263	5.04
4	148	6.72
5	95	8.40

@White (40)

4000K
- 03.9571.40
- 03.9571.02
- 03.9571.14
- 03.9571.ET
- 03.9571.EU





Luminous flux luminaire
3801 lm

Beam Angle:	80°	
h(m)	E(lx)	D(m)
1	2275	1.68
2	569	3.36
3	253	5.04
4	142	6.72
5	91	8.40

@White (40)

Accessories / Accesorios

The non-adjustable versions of Super Line and Super Line Pro Down are equipped with a multi-current driver, that can be set during the installation in order to achieve the required illumination conditions and comfort levels. Installation kits come from factory at 100% of their nominal power (1050 mA). At maximum power, all versions of Super Line Pro comply with the requirements UGR<19 and L 65º<3000 cd.

Las versiones no regulables de Super Line y Super Line Pro Down están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación y los niveles de confort requeridos. Los kits de instalación vienen de fábrica con el 100% de su potencia nominal (1050 mA). Super Line Pro cumple en todas sus versiones y a máxima potencia con los requisitos de UGR<19 y L 65º<3000 cd.

Super Line

		Indirect		Direct	
Driver setting	**Light emission**	**UGR***	**L 65º < 3000 cd**	**UGR***	**L 65º < 3000 cd**
1050 mA	100%	UGR < 19			
850 mA	80%	UGR < 19			
700 mA	70%	UGR < 19			
550 mA	55%	UGR < 19	√		
500 mA	50%	UGR < 19	√	UGR < 19	√
350 mA	36%	UGR < 19	√	UGR < 19	√

*X=4H, Y=8H, S=0.25H, reflections 70/50/20

Super Line Pro

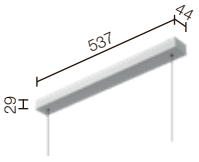
Light emission	**UGR***	**L 65º < 3000 cd**
Up & Down Majority Up	UGR < 14	√
Up & Down Majority Down	UGR < 17	√
Down	UGR < 18	√

Super Line / Super Line Pro Down

Surface Power Supply Kit

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



Non Dimmable
- 08.0520.40A
- 08.0520.02A
- 08.0520.14A
- 08.0520.ETA
- 08.0520.EUA

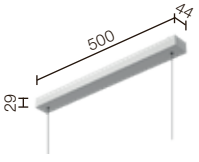
Dali Version
- 08.0521.40A
- 08.0521.02A
- 08.0521.14A
- 08.0521.ETA
- 08.0521.EUA

Super Line Pro Up&Down

Surface Power Supply Kit

85W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

Incluye fuente de alimentación 85W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



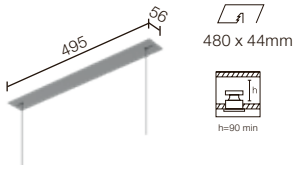
Non Dimmable / Dali Version
- 08.0640.40
- 08.0640.02
- 08.0640.14
- 08.0640.ET
- 08.0640.EU

Super Line / Super Line Pro Down

Recessed Power Supply Kit

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



Non Dimmable
- 08.0522.40A
- 08.0522.02A
- 08.0522.14A
- 08.0522.ETA
- 08.0522.EUA

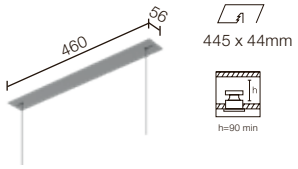
Dali Version
- 08.0523.40A
- 08.0523.02A
- 08.0523.14A
- 08.0523.ETA
- 08.0523.EUA

Super Line Pro Up&Down

Recessed Power Supply Kit

85W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

Incluye fuente de alimentación 85W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



Non Dimmable / Dali Version
- 08.0641.40
- 08.0641.02
- 08.0641.14
- 08.0641.ET
- 08.0641.EU

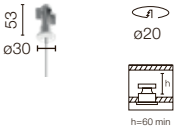
Accessories / Accesorios

Super Line / Super Line Pro Down

Remote Power Supply Kit

Includes two suspension kits and a 60W - 220/240V power supply. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye dos kits de suspensión y una fuente de alimentación de 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



Non Dimmable
- 08.0524.40
- 08.0524.02
- 08.0524.14
- 08.0524.ET
- 08.0524.EU

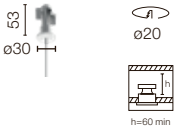
Dali Version
- 08.0525.40A
- 08.0525.02A
- 08.0525.14A
- 08.0525.ETA
- 08.0525.EUA

Super Line Pro Up&Down

Remote Power Supply Kit

Includes two suspension kits and two 45W - 220/240V power supplies. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

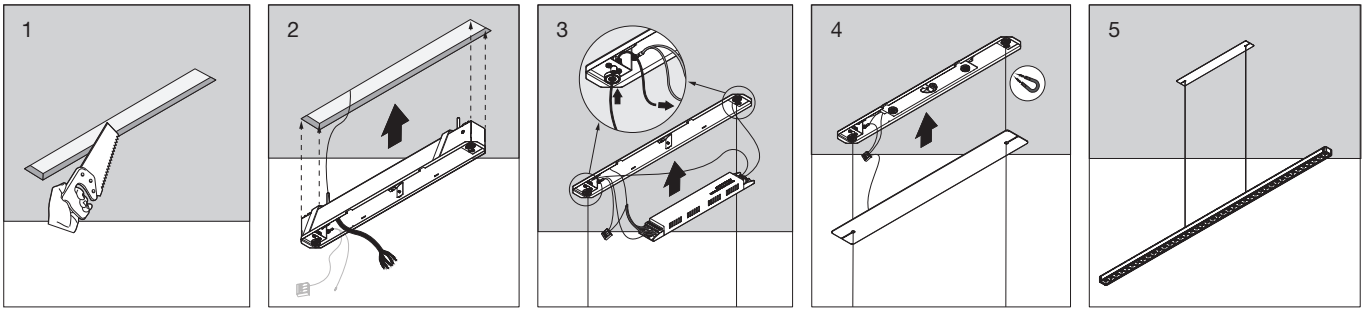
Incluye dos kits de suspensión y dos fuentes de alimentación de 45W - 220/240V. Los Kits para Super Line PRO Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



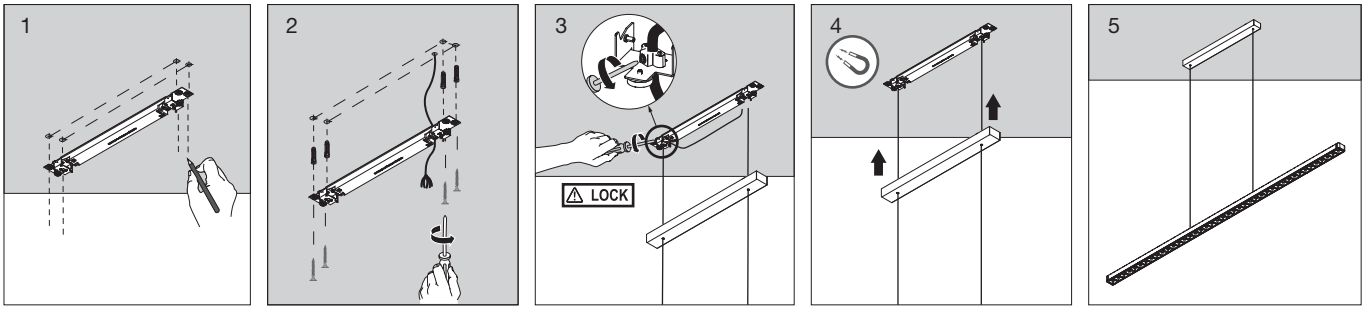
Non Dimmable / Dali Version
- 08.0642.40
- 08.0642.02
- 08.0642.14
- 08.0642.ET
- 08.0642.EU

Installation Sequence

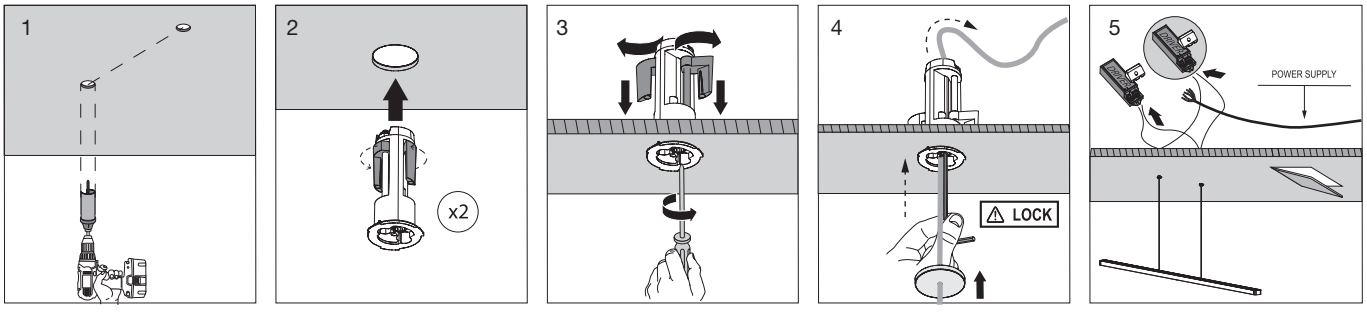
Recessed Power Supply Kit



Surface Power Supply Kit



Remote Power Supply Kit



LIGHT BELL

DESIGNED BY PIERO LISSONI



LIGHT SOURCE
LED ARRAY
55W
6388 lm
2700K/CRI 90
6714 lm
3000K/CRI 90



Internal Finish

70 Matte White
70 Blanco Mate

Anodized Aluminium
Aluminio Anodizado



AN Anodized Black
AN Negro Anodizado

Gold
Oro



AP Polished Aluminium
AP Aluminio Pulido

Anodized Aluminium
Aluminio Anodizado



76 Transparent Glass
76 Cristal Transparente



CE Concrete
CE Cemento

Description
Suspended general lighting luminaire for indoor mounting. It has a high efficiency latest generation LED light source and a low-loss technical thermoplastic diffuser.
The reflector is supplied separately and is available in spun aluminium with different patterns, and ixn transparent glass, depending on the versions. Power supply source integrated into luminaire housing.

Power Supply
Integrated 220/240V constant voltage power supply source.

Additional Information
Available in Dali, and Dimmable Push versions.
IP20 protection grade.
Insulation class I.
Pin-block type dissipater.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria suspendida de iluminación general para ser instalada en interiores. Cuenta con una fuente de luz LED de última generación de alta eficiencia y difusor realizado en termoplástico técnico de bajas pérdidas.
El reflector de la luminaria se sirve por separado, y está disponible en aluminio repulsado en distintos decorados y en cristal transparente según versiones. Fuente de alimentación integrada en el cuerpo de la luminaria.

Fuente de Alimentación
Fuente de alimentación de corriente constante 220/240V integrada.

Información Adicional
Disponible en versiones Dali, y Dimmable Push.
Índice de protección IP20.
Clase de aislamiento I.
Disipador tipo pin-block.

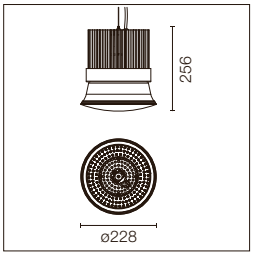
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Light Bell Light Source

Light Source: LED Array 55W - 6388 lm - 2700K/CRI 90 / 55W - 6714 lm - 3000K/CRI 90





3,81 Kg

GWT 850°

IP 20

DALI

LED INCL.

Suspended luminaire for mounting on the ceiling with LED light source. (4 metres maximum distance to ceiling). Power supply source 220/240V integrated into luminaire housing. Reflector not included; supplied separately.
Please ask us for a higher IP.
Includes a 4-meter suspension cable.
With glass screen, maximum height from the ground: 5 m.

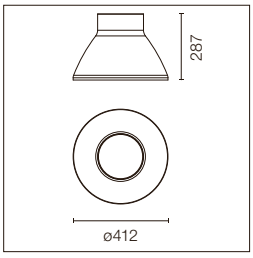
Luminaria suspendida para ser instalada a techo con fuente de luz LED (máxima distancia al techo 4 metros). Fuente de alimentación 220/240V integrada en el cuerpo de la luminaria. Reflector no incluido, se sirve por separado.
Consultar para IP superior.
Incluye cable de suspensión de 4m.
Con pantalla de cristal, altura máxima respecto al suelo: 5m.

2700K
Non Dimmable
07.9641.14A
Dimmable Dali
07.9641.14ADA

3000K
Non Dimmable
07.9642.14A
Dimmable Dali
07.9642.14ADA

Light Bell Reflector



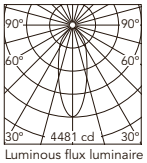


07.9630.70

0,95 Kg

E I **2700K**
07.9630.70
+
07.9641.14A

37°

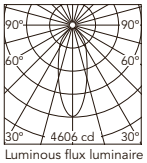


Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	4481 0.67
2	1120 1.33
3	498 2.00
4	280 2.67
5	179 3.34

E I **3000K**
07.9630.70
+
07.9642.14A

37°



Luminous flux luminaire
3139 lm (EXTREME CUT OFF)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	4606 0.68
2	1152 1.35
3	512 2.03
4	288 2.70
5	184 3.38

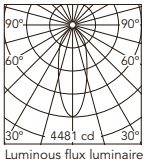


07.9630.AP

0,95 Kg

E I **2700K**
07.9630.AP
+
07.9641.14A

37°

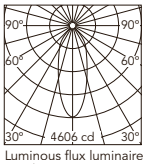


Luminous flux luminaire
3026 lm (EXTREME CUT OFF)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	4481 0.67
2	1120 1.33
3	498 2.00
4	280 2.67
5	179 3.34

E I **3000K**
07.9630.AP
+
07.9642.14A

37°



Luminous flux luminaire
3139 lm (EXTREME CUT OFF)

Beam Angle:	37°
h(m)	E(lx) D(m)
1	4606 0.68
2	1152 1.35
3	512 2.03
4	288 2.70
5	184 3.38

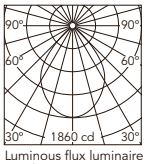


07.9630.AN

0,95 Kg

E I **2700K**
07.9630.AN
+
07.9641.14A

78°

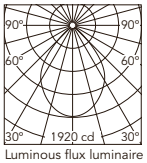


Luminous flux luminaire
2635 lm (EXTREME CUT OFF)

Beam Angle:	78°
h(m)	E(lx) D(m)
1	1860 1.61
2	465 3.22
3	207 4.84
4	116 6.45
5	74 8.06

E I **3000K**
07.9630.AN
+
07.9642.14A

78°



Luminous flux luminaire
2733 lm (EXTREME CUT OFF)

Beam Angle:	78°
h(m)	E(lx) D(m)
1	1920 1.62
2	480 3.23
3	213 4.85
4	120 6.47
5	77 8.08

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Light Bell Reflector

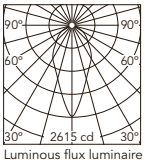


07.9630.76

3,41 Kg

2700K
07.9630.76
+
07.9641.14A

46°

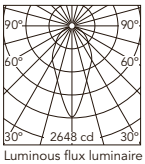


Luminous flux luminaire
3391 lm [EXTREME CUT OFF]

Beam Angle:	46°
h(m)	E(lx) D(m)
1	2615 0.81
2	654 1.63
3	291 2.44
4	163 3.26
5	105 4.07

3000K
07.9630.76
+
07.9642.14A

46°



Luminous flux luminaire
3518 lm [EXTREME CUT OFF]

Beam Angle:	46°
h(m)	E(lx) D(m)
1	2648 0.85
2	662 1.71
3	294 2.56
4	166 3.41
5	106 4.27

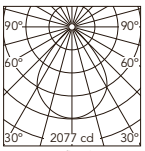


07.9630.CE

4 Kg

2700K
07.9630.CE
+
07.9641.14A

79°

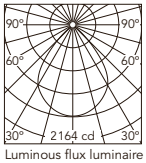


Luminous flux luminaire
3099 lm [EXTREME CUT OFF]

Beam Angle:	79°
h(m)	E(lx) D(m)
1	2077 1.66
2	519 3.32
3	231 4.97
4	130 6.63
5	83 8.29

3000K
07.9630.CE
+
07.9642.14A

79°



Luminous flux luminaire
3229 lm [EXTREME CUT OFF]

Beam Angle:	79°
h(m)	E(lx) D(m)
1	2164 1.66
2	541 3.32
3	240 4.97
4	135 6.63
5	87 8.29

Accessories / Accesorios

Rosette for indoors. IP20.

Rosetón de alimentación para interiores. IP20.



Non Dimmable
F0556020
Dimmable Push/*Dali
F0557020

* The F0557020 Dali version has a 4-meter cable, 5 poles and a 0.75mm² section.
* La versión Dali F0557020 lleva cable de 4m, 5 polos y sección 0.75mm² .

Rosette. IP20.

Rosetón de alimentación. IP20.



08.8775.40



08.8775.14

FORT KNOX WALL

DESIGNED BY PHILIPPE STARCK

FORT KNOX
WALL



LIGHT SOURCE
POWER LED
35W
3715 lm
2700K/CRI 90
3900 lm
3000K/CRI 90
3774 lm
4000K/CRI 90

FORT KNOX
WALL MINI



LIGHT SOURCE
POWER LED
25W
2329 lm
2700K/CRI 90
2718 lm
3000K/CRI 90
2658 lm
4000K/CRI 90

40 White
40 Blanco



05 Polished Aluminium
05 Aluminio Pulido



14 Black/RAL 9005
14 Negro



Description
Luminary for wall application designed for indirect lighting.
Die-cast aluminium alloy body with hand polished finish and protected with transparent liquid paint, or powder-coated white or matte black.
Wall support made in injected aluminium. Thanks to its innovative design, this holder allows both horizontal and vertical regulation up to 10 mm, ensuring a perfect installation on any type of surface. Additionally, this product includes a spirit level, allowing a perfect luminaire calibration.

Reflectors
Thanks to its adapted design, the asymmetrical lens allow luminarie's maximum efficiency and optimal light distribution.

Power Supply
Non Dimmable, Dimmable 1-10V or Dimmable Dali power source incorporated in the luminaire body.

Additional Information
IP20 protection grade.
Insulation class I.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria de pared para luz indirecta.
Cuerpo realizado en aleación de aluminio inyectado a presión con acabado pulido a mano y protegido por pintura líquida transparente o barniz en polvo de color blanco o negro mate.
Soporte de pared realizado en aluminio inyectado. Gracias a su novedoso diseño, este soporte permite la regulación tanto en horizontal como en vertical de hasta 10 mm, garantizando una perfecta instalación sobre cualquier superficie. Además, el producto incorpora un nivel de burbuja que permite una perfecta calibración de la luminaria.

Reflectores
Lente asimétrica que gracias a su diseño adaptado, permite una eficiencia de la luminaria máxima además de una distribución óptima de la luz.

Unidades de Alimentación
Fuente de alimentación No Dimmable, Dimmable 1-10V o Dimmable Dali incorporada en el cuerpo principal de la luminaria.

Información Adicional
Índice de protección IP20.
Clase de aislamiento I.

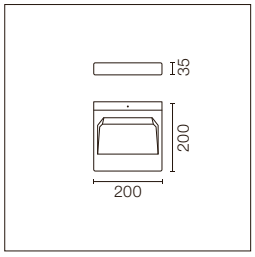
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

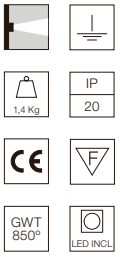
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Fort Knox Wall

Light Source: Power LED 35W - 3715 lm - 2700K/CRI 90 / 3900 lm - 3000K/CRI 90 / 3774 lm - 4000K/CRI 90





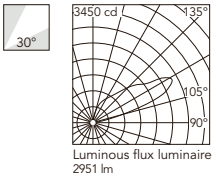


Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria.

2700K
Dimmable 1-10V
- ☐ 09.2111.40C
- ▒ 09.2111.05C
- ■ 09.2111.14C

Dali Version
- ☐ 09.2111.40CDA
- ▒ 09.2111.05CDA
- ■ 09.2111.14CDA

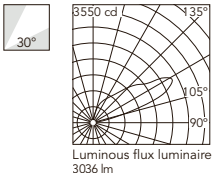


Luminous flux luminaire
2951 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	681 2.24
2	170 4.49
3	76 6.73
4	43 8.97
5	27 11.21

3000K
Dimmable 1-10V
- ☐ 09.2110.40C
- ▒ 09.2110.05C
- ■ 09.2110.14C

Dali Version
- ☐ 09.2110.40CDA
- ▒ 09.2110.05CDA
- ■ 09.2110.14CDA

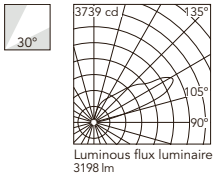


Luminous flux luminaire
3036 lm

Beam Angle:	30°
h(m)	E(lx) D(m)
1	700 2.24
2	175 4.49
3	78 6.73
4	44 8.97
5	28 11.21

4000K
Dimmable 1-10V
- ☐ 09.2112.40C
- ▒ 09.2112.05C
- ■ 09.2112.14C

Dali Version
- ☐ 09.2112.40CDA
- ▒ 09.2112.05CDA
- ■ 09.2112.14CDA



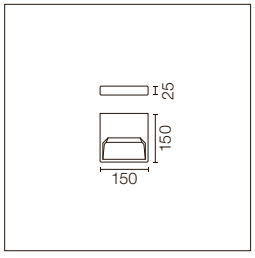
Luminous flux luminaire
3198 lm

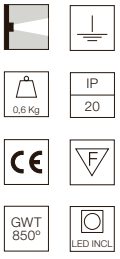
Beam Angle:	30°
h(m)	E(lx) D(m)
1	738 2.24
2	184 4.49
3	82 6.73
4	46 8.97
5	30 11.21

Fort Knox Wall Mini

Light Source: Power LED 25W - 2329 lm - 2700K/CRI 90 / 2718 lm - 3000K/CRI 90 / 2658 lm - 4000K/CRI 90





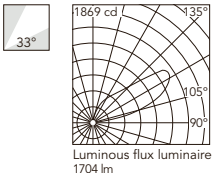


Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria.

2700K
Non Dimmable
- ☐ 09.2126.40B
- ▒ 09.2126.05B
- ■ 09.2126.14B

Dali Version
- ☐ 09.2126.40BDA
- ▒ 09.2126.05BDA
- ■ 09.2126.14BDA

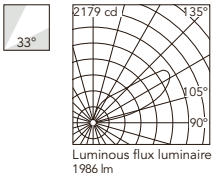


Luminous flux luminaire
1704 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	394 2.88
2	98 5.75
3	44 8.63
4	25 11.50
5	16 14.38

3000K
Non Dimmable
- ☐ 09.2125.40B
- ▒ 09.2125.05B
- ■ 09.2125.14B

Dali Version
- ☐ 09.2125.40BDA
- ▒ 09.2125.05BDA
- ■ 09.2125.14BDA

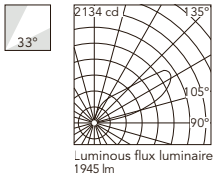


Luminous flux luminaire
1986 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	459 2.88
2	115 5.75
3	51 8.63
4	29 11.50
5	18 14.38

4000K
Non Dimmable
- ☐ 09.2127.40B
- ▒ 09.2127.05B
- ■ 09.2127.14B

Dali Version
- ☐ 09.2127.40BDA
- ▒ 09.2127.05BDA
- ■ 09.2127.14BDA



Luminous flux luminaire
1945 lm

Beam Angle:	33°
h(m)	E(lx) D(m)
1	449 2.88
2	112 5.75
3	50 8.63
4	28 11.50
5	18 14.38

THIN LED

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SOURCE
TOP LED
20W/m
24V
1822 lm/m
3000K/CRI 90

30 White
30 Blanco



29 Anodized Aluminium
29 Aluminio Anodizado



BZ Anodized Bronze
BZ Bronce Anodizado



Patented and registered model / Modelo patentado y registrado.

Description
Wall application luminaire for indirect lighting.
Anodised aluminium housing with internal super-pure optical aluminium reflector. Very easy to install and extremely versatile. The printed circuit is made of jointed modules with double connector through silver contacts. This ensure a safe power supply avoiding damages which could be caused during assembling phase.
The utilized LED, with a very tight pitch and a 120° emission, together with the reflection system, grant a very high and even lighting emission performance.
Thanks to a patented light emission control system, the light fitting performance is really high, with an optimized and very comfortable light distribution.

Power Supply
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Additional Information
Led modules: 404 mm - 1201 mm - 1034 mm – 2040 mm - 2541 mm- 3042 mm.
Blind module: 1034 mm.
Max connection length 3044 mm.
Side covers included.
IP20 protection grade.
Classe d'isolation III.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Aparato de iluminación indirecta para ser instalado en la pared. Cuerpo en aluminio anodizado con reflector interior óptico realizado en aluminio super-puro. Muy fácil de instalar y extremadamente versátil. El circuito impreso está realizado con módulos articulados con un doble conector a través de contactos de plata. Esto asegura un alimentador de corriente seguro evitando daños que podrían originarse durante la fase de montaje.
Los LEDs utilizados con una ajustada frecuencia y una emisión de 120°, junto con el sistema reflector, garantizan unas prestaciones elevadas y una iluminación uniforme.
Gracias a un sistema patentado de control de emisiones de luz, el rendimiento de las lámparas es muy alto, con una distribución de iluminación óptima y muy confortable.

Unidades de Alimentación
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

Información Adicional
Módulos de LED: 404 mm - 1201 mm - 1034 mm – 2040 mm - 2541 mm- 3042 mm.
Módulo deslumbramiento: 1034 mm.
Máxima longitud de conexión 3044 mm.
Cubiertas laterales incluidas.
Grado de protección IP20.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

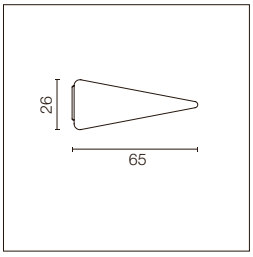
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

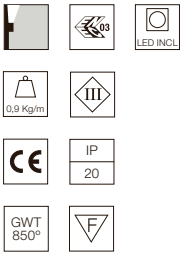
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Thin LED

Light Source: Top LED 20W/m - 24V - 1822 lm/m - 3000K/CRI 90







Wall application luminaire for indirect lighting with LED. Remote transformer not included.

Luminaria de pared de iluminación indirecta con LED. Transformador remoto no incluido.

Recommended power supply / Equipos recomendados*:

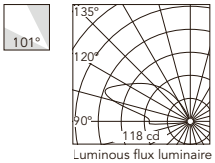
Non Dimmable	60.9705 (60W)	404/1034/1201/2040/2541mm
Non Dimmable	60.9777A (120W)	3042mm
Dimmable 1-10V	60.9681 (120W)	
Dim DALI	60.9880 (120W)	
Casambi	60.9683 (120W)	
Mais Dimming	60.9881 (60W)	404/1034/1201/2040/2541mm

* Refer to the Drivers chapter / Ver capítulo Drivers

L: 404 mm

6,8W - 711 lm - 16 LEDs

09.0045.30B
09.0045.29B
09.0045.BZB



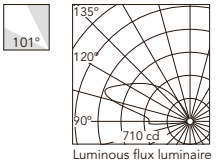
Luminous flux luminaire 621 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	118	6.46
2	30	12.92
3	13	19.38
4	7	25.84
5	5	32.30

L: 2040 mm

41W - 4266 lm - 84 LEDs

09.0101.30B
09.0101.29B
09.0101.BZB



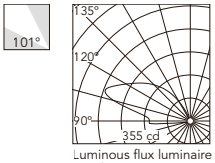
Luminous flux luminaire 3726 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	710	6.46
2	178	12.92
3	79	19.38
4	44	25.84
5	28	32.30

L: 1034 mm

20,5W - 2133 lm - 42 LEDs

09.0100.30B
09.0100.29B
09.0100.BZB



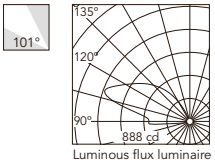
Luminous flux luminaire 1863 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	355	6.46
2	89	12.92
3	39	19.38
4	22	25.84
5	14	32.30

L: 2541 mm

47,8W - 5250 lm - 105 LEDs

09.0102.30B
09.0102.29B
09.0102.BZB



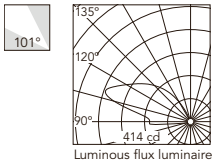
Luminous flux luminaire 4657 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	888	6.46
2	222	12.92
3	99	19.38
4	55	25.84
5	36	32.30

L: 1201 mm

23,9W - 2450 lm - 55 LEDs

09.0120.30B
09.0120.29B
09.0120.BZB



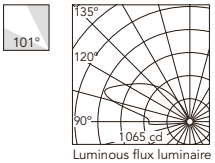
Luminous flux luminaire 2173 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	414	6.46
2	104	12.92
3	46	19.38
4	26	25.84
5	17	32.30

L: 3042 mm

61,5W - 6399 lm - 126 LEDs

09.0103.30B
09.0103.29B
09.0103.BZB



Luminous flux luminaire 5588 lm

Beam Angle: 101°		
h(m)	E(lx)	D(m)
1	1065	6.46
2	266	12.92
3	118	19.38
4	67	25.84
5	43	32.30

L: 1034 mm BLIND*

09.0104.30A
09.0104.29A
09.0104.BZA

* To create continuous profile lines / Para crear líneas de perfil continuas.

G - O

DESIGNED BY JORGE HERRERA



LIGHT SOURCE
TOP LED
1,2W
96 lm
3000K/CRI 90

30 White
30 Blanco



29 Anodized Aluminium
29 Aluminio Anodizado



55 Stainless Steel
55 Acero Inoxidable



BZ Bronze
BZ Bronce



AN Anodized Black
AN Negro Anodizado



Light Colours
Colores de la Luz

White Light
Luz Blanca



Amber Light
Luz Ámbar



Description
Embedded light fixture for indoor use in all its finishes, except stainless steel which is suitable for outdoor use.
Available with next-generation LED light source, suitable for responding to diverse signalling needs on pathways or stairways.
Available in different light shades, through coloured internal diffuser.
Light body made of aluminium, stainless steel or machined bronze.

Power Supply
Constant voltage power supply not included, available as an accessory.
Up to 6 or 15 G-O can be installed with the recommended power sources.

Accessories
With extruded aluminium accessories for embedding in concrete walls.

Additional Information
IP65 protection grade.
Insulation class III.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria empotrada concebida para uso interior en todos sus acabados, excepto el acero inoxidable que es apto también para uso exterior.
Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras. Disponible en diferentes colores de luz mediante un difusor interno coloreado. El cuerpo de la luminaria está realizado en aluminio, acero inoxidable o bronce mecanizado.

Unidades de Alimentación
Fuente de alimentación de tensión constante no incluida, disponible como accesorio.
Es posible instalar hasta 6 ó 15 G-O con las fuentes de alimentación recomendadas.

Accesorios
Dispone de accesorio para empotrar en paredes de hormigón realizado en alumino extruido.

Información Adicional
Índice de protección IP65.
Clase de aislamiento III.
Instalable sobre superficie normalmente inflamables.

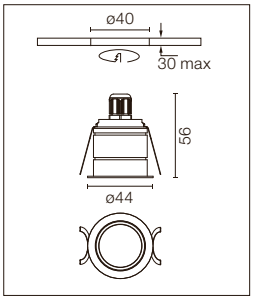
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

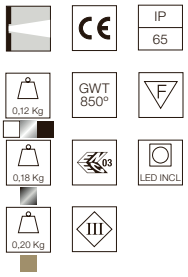
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

G-O

Light Source: Top LED 1,2W - 24V - 96 lm - 3000K/CRI 90







Semi recessed signalling lamp for indoor use on ceiling/wall. Power supply not included. 1000 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior a techo/pared. Fuente de alimentación no incluida. Inlcuye cable de alimentación de 1000 mm.

Equipment for remote installation in an accesible place: it does not fit through the recessing hole of the luminaire, except 60.9157.

Equipo para instalación remota en lugar accesible: no cabe a través del agujero de empotramiento de la luminaria, salvo el 60.9157.

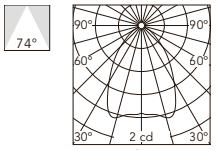
Recommended power supply / Equipos recomendados*:

Non Dimmable 110-240V	60.9157 (8W)
Non Dimmable 220-240V	60.8703 (25W)

* Refer to the Drivers chapter / Ver capítulo Drivers

White Light/Luz Blanca

- 09.3200.30A
- 09.3200.29A
- 09.3200.55A
- 09.3200.BZA
- 09.3200.ANA



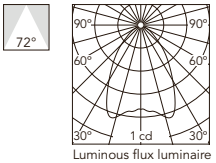
Luminous flux luminaire
4 lm

Beam Angle: 74°

h(m)	E(lx)	D(m)
1	2	1.51
2	1	3.03
3	0	4.54
4	0	6.06
5	0	7.57

Amber Light/Luz Ámbar

- 09.3201.30A
- 09.3201.29A
- 09.3201.55A
- 09.3201.BZA
- 09.3201.ANA



Luminous flux luminaire
2 lm

Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1	1.46
2	0	2.92
3	0	4.38
4	0	5.85
5	0	7.31

Accessories / Accesorios

Housing for recessed installation made in anodized aluminium for outdoor installation.

Cuerpo de empotramiento realizado en aluminio anodizado para instalación en exterior.



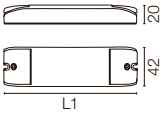
08.8422.00

Control Units / Unidades de Control

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.





1-10V
60.8640
L1: 172

DALI
60.9766
L1: 181

THEBLOCKOFLIGHT

DESIGNED BY KNUD HOLSCHER



LIGHT SOURCE
POWER LED
2,2W
154 lm
3000K/CRI 80

01 Matte White
01 Blanco Mate



72 Grey
72 Gris



04 Matte Black
04 Negro Mate



Description
Embedded light fixture designed for indoor or outdoor use (IP65 protection grade). Available with next-generation LED light source in response to diverse signalling needs on pathways or stairways.
Front made of aluminium with finish in matte white, grey or matte black.

Power Supply
Built-in, non-regulable constant current power supply of 100/240V, 50/60Hz. 700 mA current.

Accessories
Has galvanised steel accessories for embedding in concrete walls.

Additional Information
IP65 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

Before placing your order, please consult the product details also on the Flos professional website, in its technical data sheet and in the installation and assembly instructions to find all the information that may not be included in this catalogue or that could be relevant to your specific project or installation.

Standard Compliance and Quality Marks
EN60598-1 European Technical Standards and any subsequent additions.

Descripción
Luminaria empotrada concebida para uso interior o exterior (grado de protección IP65). Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras.
Frontal realizado en aluminio con acabado en pintura blanco mate, gris o negro mate.

Unidades de Alimentación
Fuente de alimentación de corriente constante 100/240V, 50/60Hz no regulable integrada. Alimentación a 700 mA.

Accesorios
Dispone de accesorio para empotrar en paredes de hormigón realizado en acero galvanizado.

Información Adicional
Índice de protección IP65.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

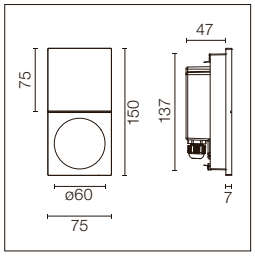
Antes de realizar su pedido consulte los detalles del producto también en la página web profesional de Flos, en su ficha técnica y en las instrucciones de instalación y montaje a fin de conocer en detalle toda la información que pueda no estar recogida en este catálogo y ser relevante para su proyecto o instalación concreta.

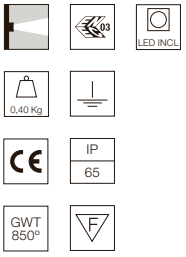
Cumplimiento de Normativa y Marcas de Calidad
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

TheBlockofLight

Light Source: Power LED 2,2W - 154 lm - 3000K/CRI 80





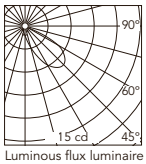


Semi-recessed signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply and 500 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior o exterior. Fuente de alimentación no regulable 100-240V, 50-60Hz integrada. Inlcuye cable de alimentación de 500 mm.

☐ 09.3310.01C





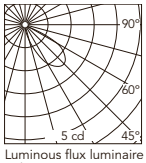
Luminous flux luminaire
85 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	15	1.79
2	4	3.58
3	2	5.37
4	1	7.16
5	1	8.95

■ 09.3310.04C





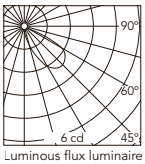
Luminous flux luminaire
40 lm

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5	1.64
2	1	3.28
3	1	4.92
4	0	6.55
5	0	8.19

■ 09.3310.72C





Luminous flux luminaire
50 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	6	1.85
2	2	3.70
3	1	5.55
4	0	7.40
5	0	9.25

Accessories / Accesorios

Can for embedding in concrete.

Can para empotrar en hormigón.



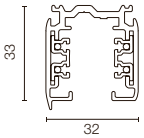
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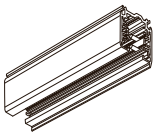
Three Phase Track
GLOBAL TRACK offers benefits for advanced installations: the main connectors are feedable and the feeding cable can be hidden under the elegant suspension accessories. GLOBAL TRACK lighting tracks are designed for easy surface mounting on ceilings and walls, or recessed mounting in suspended ceilings. Lighting tracks can be suspended at any desired height. Other advantages of the three-circuit system are its high loading capacity and the possibility of forming independent fixture groups in all three circuits. This permits illumination of the most demanding environments.

Carril Trifásico
GLOBAL TRACK ofrece ventajas para instalaciones avanzadas: los conectores principales son alimentables y el cable de alimentación puede ocultarse debajo de los elegantes accesorios de suspensión. Los carriles de iluminación GLOBAL TRACK están diseñados para facilitar su colocación superficial en paredes y techos, o empotrados en falsos techos. Los carriles pueden suspenderse a la altura deseada.
Otras ventajas del sistema trifásico son su alta capacidad de carga y la posibilidad de formar grupos lumínicos independientes en cada uno de los tres circuitos. Esto permite la iluminación de los entornos más exigentes.

Surface







1000 mm
- 60.3101.11
- 60.3101.29
- 60.3101.14

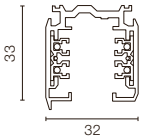
Dali Version
- 60.3101.11ADA
- 60.3101.29ADA
- 60.3101.14ADA

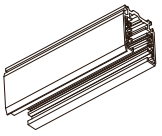
2000 mm
- 60.3102.11
- 60.3102.29
- 60.3102.14

Dali Version
- 60.3102.11ADA
- 60.3102.29ADA
- 60.3102.14ADA

Surface Dali







3000 mm
- 60.3103.11
- 60.3103.29
- 60.3103.14

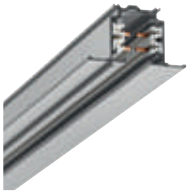
Dali Version
- 60.3103.11ADA
- 60.3103.29ADA
- 60.3103.14ADA

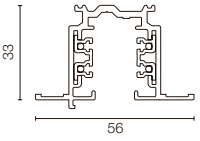
4000 mm
- 60.3104.11
- 60.3104.29
- 60.3104.14

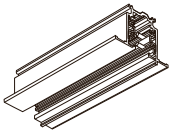
Dali Version
- 60.3104.11ADA
- 60.3104.29ADA



Recessed







1000 mm
- 60.3810.11
- 60.3810.29
- 60.3810.14

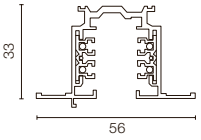
Dali Version
- 60.3810.11ADA
- 60.3810.29ADA
- 60.3810.14ADA

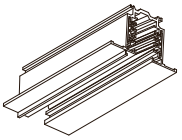
2000 mm
- 60.3820.11
- 60.3820.29
- 60.3820.14

Dali Version
- 60.3820.11ADA
- 60.3820.29ADA
- 60.3820.14ADA

Recessed Dali







3000 mm
- 60.3830.11
- 60.3830.29
- 60.3830.14

Dali Version
- 60.3830.11ADA
- 60.3830.29ADA
- 60.3830.14ADA



Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required.
Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

Suspension rod with 1000mm rose. m6 thread.

Varilla de suspensión con rosetón 1000 mm con fileteado m6.



- ☐ 60.3014.11
- ■ 60.3014.14

1000 mm suspension rod extension set m6 thread.

Extensión para varilla de suspensión 1000 mm con fileteado m6.

- ☐ 60.3097.11**
- ■ 60.3097.14**

Attachment on track for steel cable suspension with M6 thread end

Fijación a carril para cable de acero con terminal roscado M6.



- ☐ 60.3008.11
- ■ 60.3008.14

Ceiling fitting with rose.

Conexión de techo con rosetón.



- ☐ 60.3094.11
- ■ 60.3094.14

Attachment on track for rod suspension M6 thread.

Fijación a carril para suspensión con varilla con fileteado M6.



- ☐ 60.3018.11
- ■ 60.3018.14

** A steel cable is recommended if the structure, because of its dimensions, is stable and includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.

** Cable de acero recomendado si la estructura por sus dimensiones está equilibraba, es estable e incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.

Lead-weighted wire without rose and ceiling fitting.

Cable de suspensión con plomo sin rosetón a techo.



1500 mm
- ■ 60.3095.29

3000 mm
- ■ 60.3096.29

Bracket for track fixing wall/ceiling or suspension with lead-weighted wire.

Fijación a techo/pared o para cable de suspensión con plomo.



- ☐ 60.3025.11
- ■ 60.3025.14
- ■ 60.3025.29

Bracket for fixing track to wall or ceiling.

Fijación del carril a techo/pared lateral.



- ■ 60.3093.29

Attachment on track for wire suspension.

Fijación a carril para suspensión con cable.



- ☐ 60.3057.11
- ■ 60.3057.29

Complete wall support 70mm.

Soporte a pared completo con brazo 70mm.



- ■ 60.3083.29

Track cover strip L 3000mm.

Cubre conductores 3000mm.



- ☐ 60.3090.11

Power supply rose cover.

Rosetón cubre alimentación.



- ☐ 60.3092.11

Cover for power supply connectors recessed track.

Tapa para conexión de alimentación en los carriles empotrables.



- ☐ 60.3053.11
- ■ 60.3053.14

Dali Version
- ☐ 60.3145.11
- ■ 60.3145.14

Cover for connectors.

Tapa para las conexiones.



- ☐ 60.3091.11
- ■ 60.3091.14

Dali Version
- ☐ 60.3146.11
- ■ 60.3146.14

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* Live end right.

Conector alimentación derecha.



- ☐ 60.3038.11
- ■ 60.3038.14
- ■ 60.3038.12

Dali Version
- ☐ 60.3038.11ADA
- ■ 60.3038.14ADA
- ■ 60.3038.12ADA

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* Live end left.

Conector alimentación izquierda.



- ☐ 60.3039.11
- ■ 60.3039.14
- ■ 60.3039.12

Dali Version
- ☐ 60.3039.11ADA
- ■ 60.3039.14ADA
- ■ 60.3039.12ADA

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* Feeding possible / Posibles puntos de alimentación.

Straght connector.

Conector lineal.



- 60.3044.11
- 60.3044.14
- 60.3044.12

Dali Version

- 60.3044.11ADA
- 60.3044.14ADA
- 60.3044.12ADA

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* Mean connector.

Conector alimentación central.



- 60.3043.11
- 60.3043.14
- 60.3043.29

Dali Version

- 60.3043.11ADA
- 60.3043.14ADA
- 60.3043.29ADA

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* Connector 90°.

Conector 90°.



Inside/Interior

- 60.3029.11
- 60.3029.14
- 60.3029.29

Dali Version

- 60.3029.11ADA
- 60.3029.14ADA
- 60.3029.29ADA

Outside/Exterior

- 60.3028.11
- 60.3028.14
- 60.3028.29

Dali Version

- 60.3028.11ADA
- 60.3028.14ADA
- 60.3028.29ADA

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* Connector T - inside.

Conexión en T - interior.



Right/Derecha

- 60.3047.11
- 60.3047.14
- 60.3047.29

Dali Version

- 60.3047.11ADA
- 60.3047.14ADA
- 60.3047.29ADA

Left/Izquierda

- 60.3048.11
- 60.3048.14
- 60.3048.29

Dali Version

- 60.3048.11ADA
- 60.3048.14ADA
- 60.3048.29ADA

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* Conector T - outside.

Conexión en T - exterior.



Right/Derecha

- 60.3049.11
- 60.3049.14
- 60.3049.29

Left/Izquierda

- 60.3049.11ADA
- 60.3049.14ADA
- 60.3049.29ADA

Dali Version

- 60.3051.11
- 60.3051.14
- 60.3051.29

Dali Version

- 60.3051.11ADA
- 60.3051.14ADA
- 60.3051.29ADA

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* Cross coupling.

Conexión en cruz.



- 60.3036.11
- 60.3036.14
- 60.3036.29

Dali Version

- 60.3036.11ADA
- 60.3036.14ADA
- 60.3036.29ADA

Blind end.

Terminal de cierre.



- 60.3016.11
- 60.3016.14
- 60.3016.12

DALI flexible couple.

Conexión flexible DALI.



- 60.3037.11
- 60.3037.14
- 60.3037.29

Dali Version

- 60.3037.11ADA
- 60.3037.14ADA
- 60.3037.29ADA

Corner adjustable connector.

Conexión articulada.



- 60.3046.11
- 60.3046.14
- 60.3046.29

Recessed box for fix-point.

Base empotrable para proyector.



- 60.3022.11
- 60.3022.14

Fix-point.

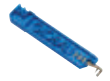
Base de superficie para proyector.



- 60.3023.11
- 60.3023.14
- 60.3023.29

Lead bending key.

Llave para la manipulación de los conductores.

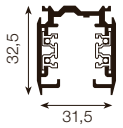


60.3054

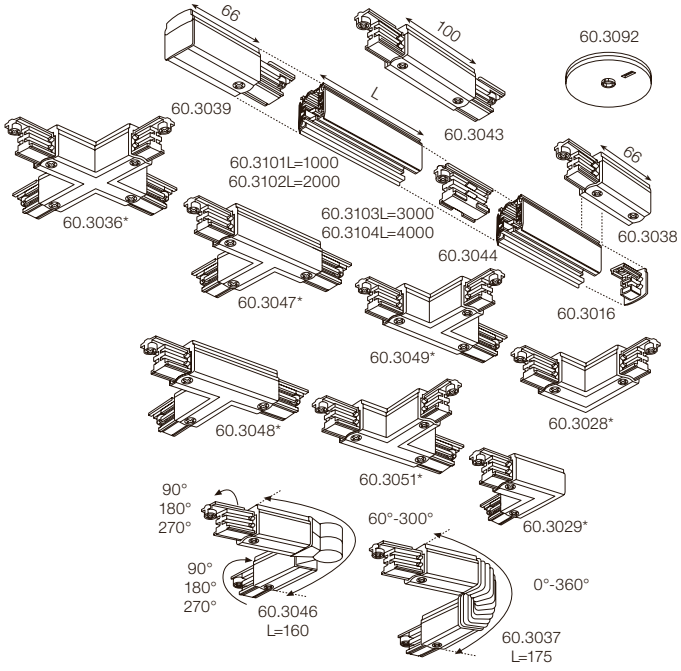
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* Feeding possible / Posibles puntos de alimentación.

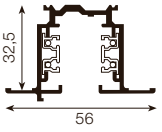
Installation Instructions for the Three-Phase Tracks / Instrucciones para la Instalación de los Carriles Trifásicos (3P+N+PE) Un 400v, In 16A. 50Hz, Clase I, IP 20



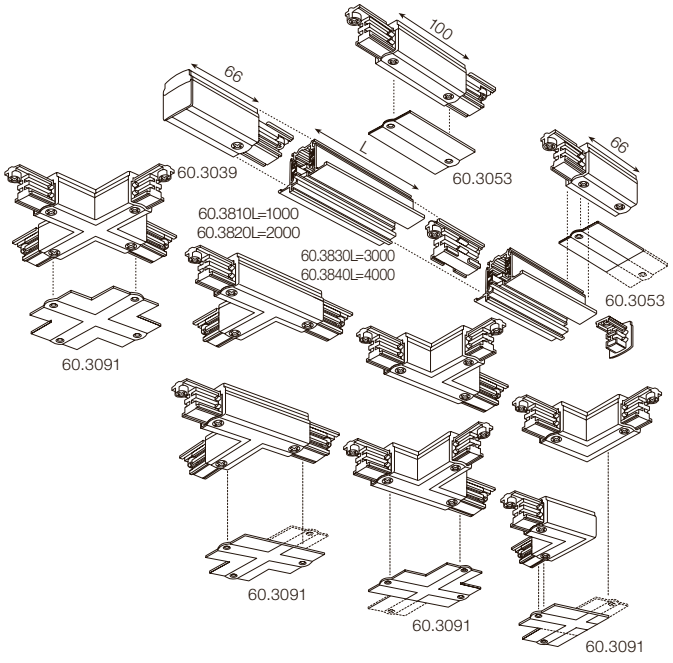
The position of the neutral lead is shown by the thick line.
La posición lateral del conductor neutro viene indicada por una línea larga.



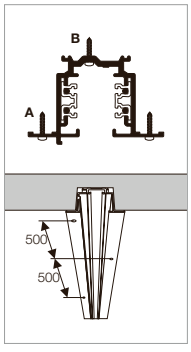
*Can be used as a power supply point / Puede ser usado como punto de alimentación



The position of the neutral lead is shown by the thick line.
La posición del conductor neutro viene indicada por una línea larga.



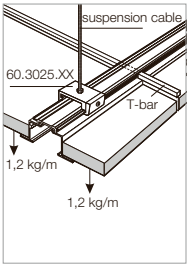
Mounting in a groove in the ceiling
Montaje en ranura en el techo



- tracks can be fixed through the flanges (A) or through the track bottom (B).
- manner A: with screws Ø 3,0 - 4,5, at distance of 500mm.
- manner B: with flat head screws Ø 3,0, supporting distance 1000mm-max. load 20 kg/m.

- los carriles se pueden fijar a través de las bridas (A) o a través de la parte inferior del carril (B).
- opción A: con tornillos Ø 3,0 - 4,5, a una distancia de 500 mm.
- opción B: con tornillos de cabeza plana Ø 3,0, distancia de apoyo 1000 mm-máx. carga 20 kg / m.

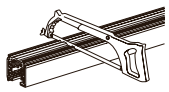
Mounting in suspended ceilings
Montaje en techos suspendidos



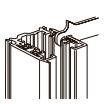
- with clamps 60.3025.XX.
- the ceiling plate structure must be easy to demount, the plates and the tracks are not fixed onto each others.
- hanging at max. 1000mm distance.
- plate load max. 1,2 kg/m per track flange.
- track hanging load max. 10 kg / hanging distance.

- con abrazaderas 60.3025.XX.
- la estructura de la placa del techo debe ser fácil de desmontar, las placas y los carriles no se fijan entre ellos.
- suspensión como máximo a 1000 mm de distancia.
- carga máx. de la placa 1,2 kg / m por brida en el carril.
- carga máx. de suspensión del carril 10 kg / distancia de suspensión.

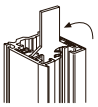
Cutting Track / Corte de los Carriles a Medida



1 . Cutting the track
1 . Corte del carril



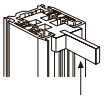
2 . Positioning bending key in the track
2 . Posicione la llave de manipulación del carril



3 . Lead bending
3 . Pliegue de los conductores

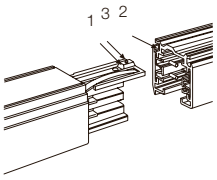


4 . Bent leads
4 . Conductores plegados

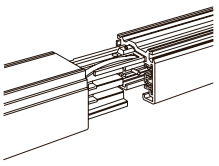


5 . Bent leads control
5 . Control del pliegue de los conductores

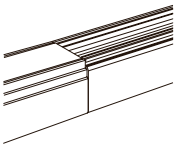
Connector Installation / Instalación de las Conexiones



1 . Guide flap
1 . Lengüeta de guía

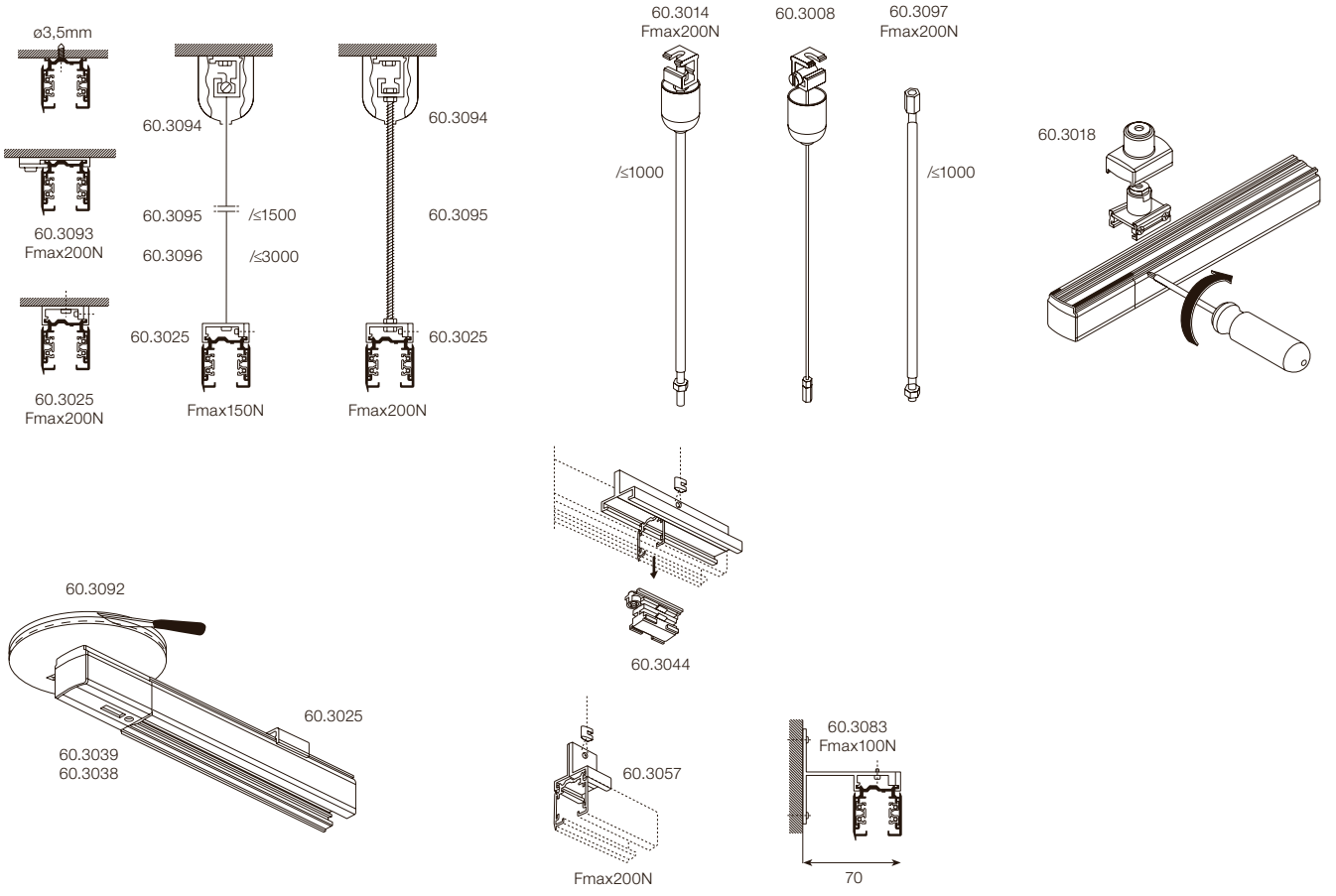


2 . Canal
2 . Guía



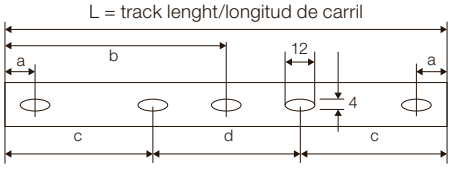
3 . Pressure fixing
3 . Fijación a presión

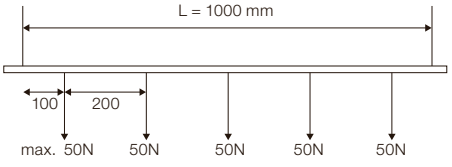
Fixing the Track and Load Capacity / Fijación del Carril y Capacidad de Carga

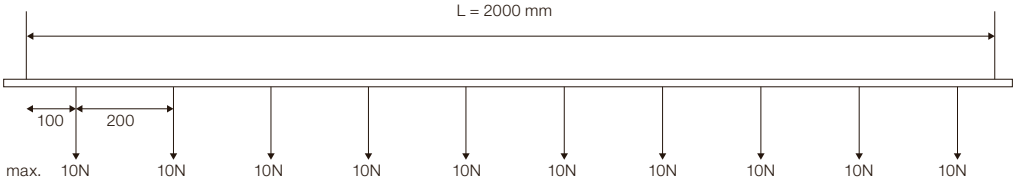


Fastening Distance and Loading Capacity
Recommended fastening distance L=1000mm.
The tracks have fastening holes.

Distancia de Anclaje y Capacidad
La distancia de anclaje recomendada es L=1000mm.
Los carriles van equipados con agujeros de anclaje.







L mm	a mm	b mm	c mm	d mm
1000	250			
2000	250	1000		
3000	250		1000	1000
4000	250		1500	1000

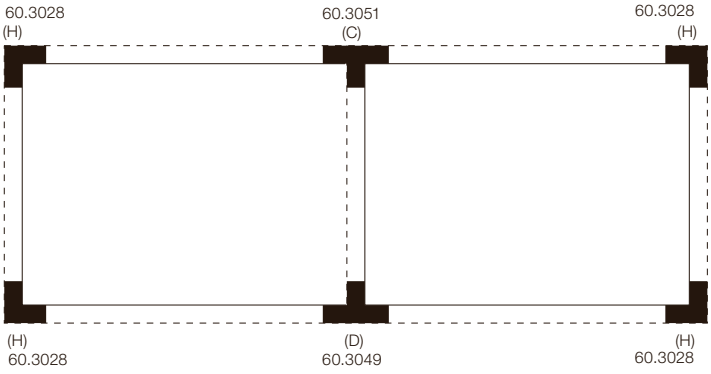
Planning Information
When you install the track, you have to choose on which side you wish to have the ridge. The ridge will tell you which accessories to use with. Have a look at the following figures where the dotted line indicates the ridge on the track.
If you have only one track, you can choose on which side you connect it and use the corresponding parts.
Figure 1. Track of length 1 mt. with end feed (A) and its mirror image (B).
Figure 2. Shows two different cases. You will notice that the ridge can be either inside or outside the installation system. You can use respectively either (C) & (D) or (E) & (F).
If the ridge is outside, first case, you have to use the T connector (C) with its miror image (D). The L connectors are then the same for each corner, (H). Inversely, if you have the ridge inside, second case, you will have to use the T connector (E) with its miror image (F). The corresponding L connector is in this case (I).

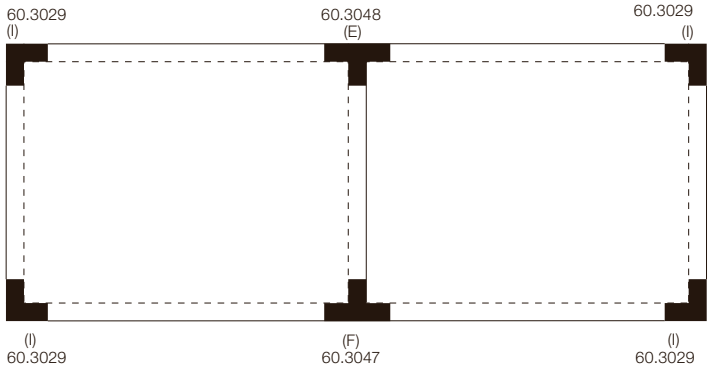
Notas para el Proyecto
La posición lateral del conductor de tierra hace la estructura de los carriles asimétrica, por lo que los accesorios de conexión deberán ser los correspondientes para cada caso. En las figuras que se presentan a continuación, la línea punteada indica la posición del conductor de tierra.
Figura 1. Carril con toma de alimentación (A) y toma de alimentación (B).
Figura 2. Si el conductor de tierra es exterior - primer caso – deben de usarse las conexiones, en T, (C) con las conexiones (D) correspondientes. Las conexiones en L deberán de ser las mismas para cada esquina, (H). Si, en cambio, el conductor de tierra es interior – segundo caso – deberán de utilizarse las conexiones, en T, (I), con las conexiones (F) correspondientes. Las conexiones en L en este caso serán los (I).

1.

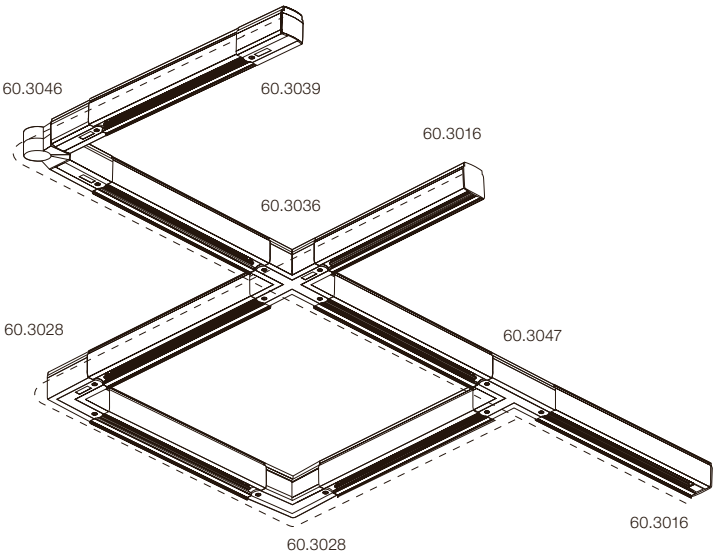


2.





Example / Ejemplo

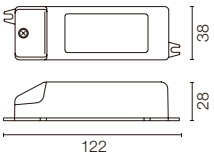


Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Non dimmable continuous current power supply. 110/240V.

Fuente de alimentación de corriente constante no regulable. 110/240V.





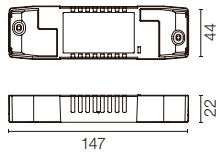
17W / 700 mA
*60.8655
20W / 500 mA
*60.8650
22W / 1050 mA
*60.8670

*110V – 12W

Non dimmable continuous current power supply. 15-30W, 220/240V -50/60Hz with power current selected through adjustable switch. 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W.

Fuente de alimentación de corriente constante 15-30W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W no regulable.



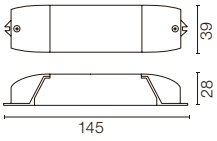


60.9592

Non dimmable continuous current power supply of 25W, 110/240V - 50/60Hz with power current selected through adjustable 350mA - 12W / 500mA - 15W /700 mA - 25W switch.

Fuente de alimentación de corriente constante 25W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 12W / 500mA - 15W /700 mA - 25W no regulable.





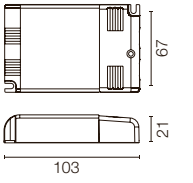
60.8437

110V – max 18W

Non dimmable continuous current power supply of 110/240V 32W, with power current selected through adjustable 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W. switch.

Fuente de alimentación de corriente constante 110*/240V 32W, con corriente de alimentación seleccionable mediante switch 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W no regulable.





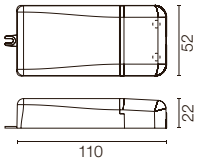
60.9233

110V – max 15W

Non dimmable continuous current power supply of 15-20W, 110/240V - 50/60Hz, with power current selected through adjustable 350 mA-15W /500 mA/ /550 / 700 / 850 mA / 900 mA - 20W switch.

Fuente de alimentación de corriente constante 15-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-15W /500 mA/ /550 / 700 / 850 mA / 900 mA - 20W no regulable.





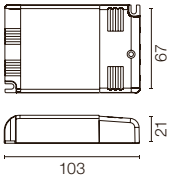
60.8911

110V – max 15W

Continuous current power supply of 25W, 110/240V - 50/60Hz with power current selected through adjustable 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W switch. 1-10V or push dimming, synchronisation cables not included.

Fuente de alimentación de corriente constante 25W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W regulable. 1-10V o push dimming, requiere cables de sincronización no incluidos.





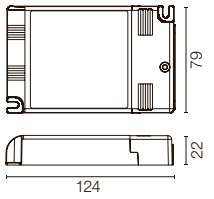
60.8533

110V – max 15W

Continuous current power supply of 25-50W, 110/240V - 50/60Hz with power current selected through adjustable 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W switch. Dali 2, 0/1-10V or push dimming, synchronisation cables not included.

Fuente de alimentación de corriente constante 25-50W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W regulable. Dali 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos.

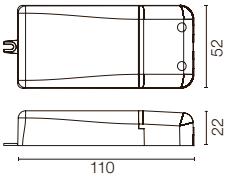
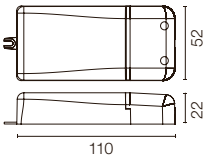
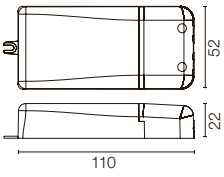
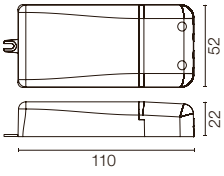
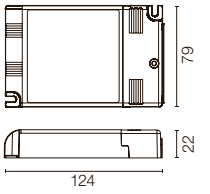
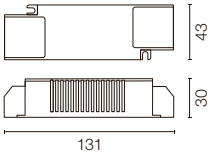




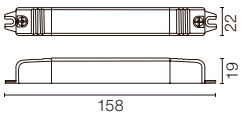
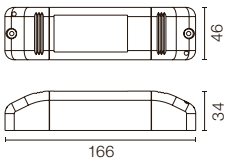
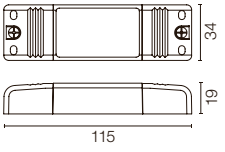
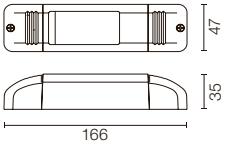
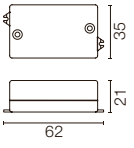
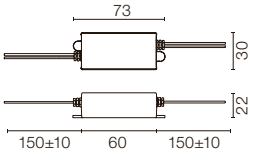
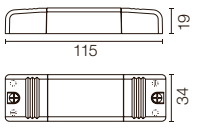
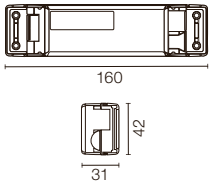
60.8530

110V – max 40W

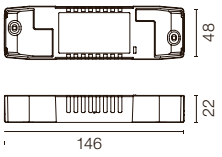
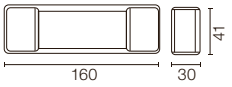
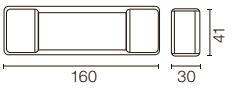
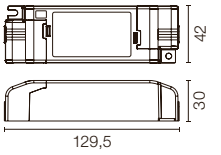
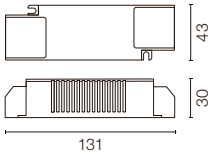
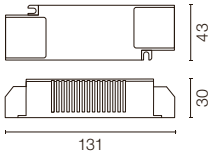
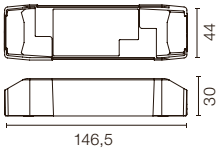
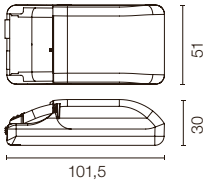
Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Continuous current power supply of 13-20W, 110/240V - 50/60Hz with power current selected through adjustable 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/750/800/850/900 mA.	Fuente de alimentación de corriente constante 13-20W, 110/240V -50/60Hz con corriente de alimentación seleccionable mediante switch 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/750/800/850/900 mA.			60.9188 110V – max 15W
Continuous current power supply of12-20W, 110/240V - 50/60Hz with-power current selected through adjustable 250mA -12W / 350mA - 17W / 400mA - 19W / 450 / 500 / 550 / 600 / 700mA - 20W dimmable Dali 1 and Dali 2.	Fuente de alimentación de corriente constante 12-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250mA -12W / 350mA - 17W / 400mA - 19W / 450 /500 / 550 / 600 / 700mA - 20W regulable Dali 1 y Dali 2.			60.9222 110V – max 15W
Continuous current power supply of 10-20W, 110/240V - 50/60Hz with power current selected through adjustable 250 mA - 12W /350 mA - 17W /400 mA - 19W /450/500/550/600/700 mA - 20W, Dali 2 switch. Max 15W.	Fuente de alimentación de corriente constante 10-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 12W /350 mA - 17W /400 mA - 19W /450/500/550/600/700 mA - 20W regulable Dali 2. Max 15W.			60.9746 110V – max 15W
Continuous current power supply of 13-20W, 110/240V - 50/60Hz with power current selected through adjustable 250 mA - 13W / 350 mA - 18W /400/450/500/550/600/700/800/900 mA - 20W, 1-10V or push dimming.	Fuente de alimentación de corriente constante 13-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 13W / 350 mA - 18W /400/450/500/550/600/700/800/900 mA - 20W, regulable 1-10V o push.			60.9208 110V – max 15W
Continuous current power supply of 20-40W, 110/240V - 50/60Hz with power current selected through adjustable 350 mA -18,5W / 400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W switch. Dali 2, 0/1-10V or push dimming, synchronisation cables not included. In the case of push control the following sync cable must be used: 60.1665.	Fuente de alimentación de corriente constante 20-40W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA - 18,5W /400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W regulable. Dali 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos. En caso de regulación push es necesario emplear el siguiente cable de sincronismo: 60.1665.			60.9276
Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch. 300mA - 14.4W / 350mA - 16.8W / 400mA - 19.2W / 450mA - 21.6W / 500mA - 24W / 550mA - 26.4W / 600mA - 31.2W / 650mA - 31.2W / 700mA - 33.6W / 750mA - 36W / 800mA - 38.4W / 850mA - 35.7W / 900mA - 37.8W / 950mA - 39.9W / 1000mA - 42W / 1050mA - 42W.	Fuente de alimentación no regulable de corriente constante 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. 300mA - 14.4W / 350mA - 16.8W / 400mA - 19.2W / 450mA - 21.6W / 500mA - 24W / 550mA - 26.4W / 600mA - 31.2W / 650mA - 31.2W / 700mA - 33.6W / 750mA - 36W / 800mA - 38.4W / 850mA - 35.7W / 900mA - 37.8W / 950mA - 39.9W / 1000mA - 42W / 1050mA - 42W.			60.7677

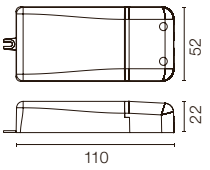
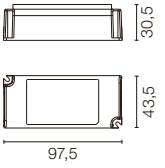
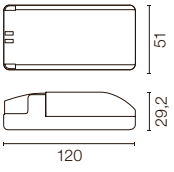
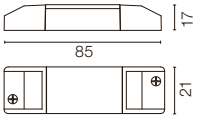
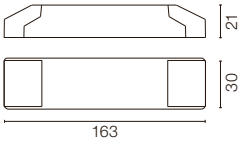
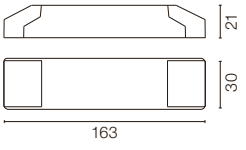
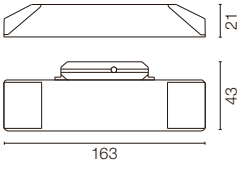
Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Continuous current power supply of 6W, 100V / 14W, 240V - 50/60Hz with 500 mA supply voltage.	Fuente de alimentación de corriente constante 6W, 100V / 14W, 240V - 50/60Hz con corriente de alimentación 500 mA.			60.8880
Continuous current power supply of 7,2-24W, 220/240V - 50/60Hz with power current selected through adjustable 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W switch. Mains or push dimming. In the case of push control the following sync cable must be used: 60.1665.	Fuente de alimentación de corriente constante 7,2-24W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W regulable. Mains o push dimming. En caso de regulación push es necesario emplear el siguiente cable de sincronismo: 60.1665.			60.9421
Continuous current power supply of 10W, 110V / 12W, 240V - 50/60Hz with 700 mA supply voltage.	Fuente de alimentación de corriente constante 10W, 110V / 12W, 240V - 50/60Hz con corriente de alimentación 700 mA.			60.8529A
Continuous current power supply of 32W, 230/240V - 50/60Hz with power current selected through adjustable 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W switch by trailing and leading edge dimming (mains dimming), or push dimming.	Fuente de alimentación de corriente constante 32W, 230/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W regulable mediante trailing and leading edge dimming (mains dimming), o push dimming.			60.8534
Electronic transformer with constant voltage (24V) for LED. 8W, 220/240V, 50/60Hz.	Transformador electrónico de tensión constante (24V) para LED. 8W, 220/240V, 50/60Hz.			60.8079
Electronic transformer with constant voltage (24V) for LED. 8W, 110/240V, 50/60Hz.	Transformador electrónico de tensión constante (24V) para LED. 8W, 110/240V, 50/60Hz.			60.9157
Constant voltage supply source of 10W, 100-240V - 50/60Hz with non adjustable 250 mA supply voltage.	Fuente de alimentación de corriente constante 10W, 100-240V - 50/60Hz con corriente de alimentación 250 mA no regulable.			60.9744
Constant voltage supply source of 20W, 220-240V - 50/60Hz with adjustable 250 mA supply voltage.	Fuente de alimentación de corriente constante 20W, 220-240V - 50/60Hz con corriente de alimentación 250 mA regulable.			0-10V 60.9405 Dali 60.9601

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.	Fuente de alimentación no regulable, de corriente constante 200/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.			60.9160
Continuous current power supply, 0-10V dimmable, 220/240V - 50/60Hz, 200mA - 20W.	Fuente de alimentación de corriente constante, regulable 0-10V, 220/240V - 50/60Hz, 200mA - 20W.			60.9483
Continuous current power supply, dimmable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.	Fuente de alimentación de corriente constante, regulable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.			60.9604
Continuous current power supply, 0/1-10V dimmable, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W /700/750/800/900/1000/1050 mA - 36W.	Fuente de alimentación de corriente constante, regulable 0/1-10V, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W /700/750/800/900/1000/1050 mA - 36W.			60.9439
Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. Dali 1, Dali 2, Push dimming. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 500mA - 26W / 600mA - 31.2W / 700mA - 36.4W / 750mA - 39W / 800mA - 41.6W / 850mA - 41.6W / 900mA - 41.4W / 950mA - 41.8W / 1000mA - 42W / 1050mA - 42W.	Fuente de alimentación de corriente constante 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. Regulable Dali 1, Dali 2, Push. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 500mA - 26W / 600mA - 31.2W / 700mA - 36.4W / 750mA - 39W / 800mA - 41.6W / 850mA - 41.6W / 900mA - 41.4W / 950mA - 41.8W / 1000mA - 42W / 1050mA - 42W.			60.7678
Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. Dali 1, Dali 2, Push dimming. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 450mA - 23.4W / 500mA - 26W / 550mA - 26.1W / 600mA - 26.1W / 650mA - 26W / 700mA - 26.3W.	Fuente de alimentación regulable de corriente constante 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. Regulable Dali 1, Dali 2, Push. 150mA - 7.8W / 200mA - 10.4W / 250mA - 13W / 300mA - 15.6W / 350mA - 18.2W / 400mA - 20.8W / 450mA - 23.4W / 500mA - 26W / 550mA - 26.1W / 600mA - 26.1W / 650mA - 26W / 700mA - 26.3W.			60.7709
Continuous current power supply, dimmable Casambi, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W / 700 mA - 36W /750/800/900/1000/1050/1200 mA - 38W.	Fuente de alimentación de corriente constante, regulable Casambi, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W / 700 mA - 36W /750/800/900/1000/1050/1200 mA - 38W.			60.9207
Continuous current power supply, 1-10V, regulable trailing & leading edge dimming (mains dimming) 220/240V - 50/60Hz, 500mA - 10W.	Fuente de alimentación de corriente constante, 1-10V, regulable trailing & leading edge dimming (mains dimming) 220/240V - 50/60Hz, 500mA - 10W.			60.9411

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

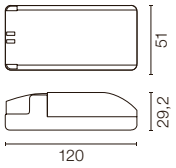
20W Constant current power supply, AC phase-cut adjustable, trailing and leading edge dimming (mains dimming), 220/240V - 50/60Hz, with dip-switch programmable power supply current. Output current: 900mA - 20W / 850mA - 20W / 800mA - 20W / 750mA - 20W / 700mA - 20W / 650mA - 20W / 600mA - 20W / 550mA - 20W / 500mA - 20W / 450mA - 20W / 400mA - 19W / 350mA - 17W / 300mA - 14W / 250mA - 12W	Fuente de alimentación de corriente constante 20W, regulable mediante corte de fase en AC, trailing & leading edge dimming (mains dimming), 220/240V - 50/60Hz, con corriente de alimentación programable mediante dip-switch. Corriente de salida: 900mA - 20W / 850mA - 20W / 800mA - 20W / 750mA - 20W / 700mA - 20W / 650mA - 20W / 600mA - 20W / 550mA - 20W / 500mA - 20W / 450mA - 20W / 400mA - 19W / 350mA - 17W / 300mA - 14W / 250mA - 12W			60.9467
Continuous current power supply 26W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable Casambi. Exit current: 700mA - 25.9W / 600mA - 25.8W / 500mA - 26W / 350mA - 18.2W / 300mA - 15.6W / 250mA - 13W / 200mA - 10.4W / 150mA - 7.8W.	Fuente de alimentación de corriente constante 26W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. Regulable por Casambi. Corriente de salida: 700mA - 25.9W / 600mA - 25.8W / 500mA - 26W / 350mA - 18.2W / 300mA - 15.6W / 250mA - 13W / 200mA - 10.4W / 150mA - 7.8W.			60.9716
Continuous current power supply 20W, 220/240V - 50/60Hz with power current selected through adjustable NFC. Non Dimmable. Output current (Ta>45ºC).	Fuente de alimentación de corriente constante 20W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante NFC. No regulable. Corriente de salida (Ta>45ºC).			500mA 60.9834.0500 600mA 60.9834.0600 700mA 60.9834.0700 800mA 60.9834.0800 900mA 60.9834.0900 1050mA 60.9834.1050
Constant current supply source of 3W, 220-240V - 50/60Hz with non adjustable 700 mA supply voltage.	Fuente de alimentación de corriente constante 3W, 220-240V - 50/60Hz con corriente de alimentación 700 mA no regulable.			60.9988
Constant current power supply with programmable power supply current via NFC. Pre-set: 900mA, 36W, 220/240 V - 50/60 Hz. Dimmable by Dali2.	Fuente de alimentación de corriente constante con corriente de alimentación programable mediante NFC. Pre-seteada: 900mA, 36W, 220/240V - 50/60Hz. Regulable por Dali2.			60.9957
Constant current power supply with programmable power supply current via NFC. Pre-set: 900mA, 36W, 220/240 V - 50/60 Hz. Non Dimmable.	Fuente de alimentación de corriente constante con corriente de alimentación programable mediante NFC. Pre-seteada: 900mA, 36W, 220/240V - 50/60Hz. No regulable.			60.9958
Constant current supply source of 900mA, 20W, 220-240V - 50/60Hz. Dimmable by Casambi.	Fuente de alimentación de corriente constante 900mA, 20W, 220-240V - 50/60Hz. Regulable por Casambi.			06.1974.00

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

20 W, 220/240 V - 50/60 Hz constant current power supply with programmable power supply current via NFC. Dimmable by Dali2.

Fuente de alimentación de corriente constante 20W, 220/240V - 50/60Hz con corriente de alimentación programable mediante NFC. Regulable por Dali2.



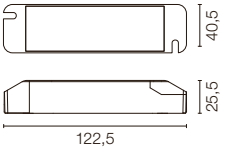


200mA - 8.8W
60.9713.0200
300mA - 13.2W
60.9713.0300
400mA - 17.6W
60.9713.0400
500mA - 20W
60.9713.0500
600mA - 20W
60.9713.0600
700mA - 20W
60.9713.0700
800mA - 20W
60.9713.0800
900mA - 20W
60.9713.0900
1050mA - 20W
60.9713.1050

Continuous current power supply 20W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable 0-10V/ PWM/RX.
Output current: 500mA - 21W / 450mA - 19W / 400mA - 17W / 350mA - 15W / 300mA - 12W / 250mA - 10W.

Fuente de alimentación de corriente constante 20W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. Regulable por 0-10V/PWM/Rx. Corriente de salida: 500mA - 21W / 450mA - 19W / 400mA - 17W / 350mA - 15W / 300mA - 12W / 250mA - 10W.



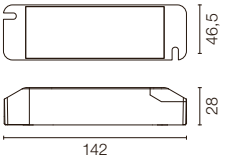


60.9843

Continuous current power supply 40W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable 0-10V/ PWM/RX.
Output current: 1050mA - 40W / 1000mA - 40W / 950mA - 40W / 900mA - 37W / 850mA - 35W / 800mA - 33W / 750mA - 31W / 700mA - 29W / 650mA - 29W / 600mA - 25W / 550mA - 23W.

Fuente de alimentación de corriente constante 40W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. Regulable por 0-10V/PWM/Rx. Corriente de salida: 1050mA - 40W / 1000mA - 40W / 950mA - 40W / 900mA - 37W / 850mA - 35W / 800mA - 33W / 750mA - 31W / 700mA - 29W / 650mA - 29W / 600mA - 25W / 550mA - 23W.



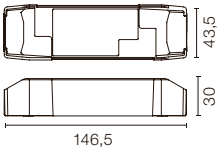


60.9845

Continuous current power supply 31W, 100/277V - 50/60Hz with power current selected through adjustable switch. Non Dimmable.
Output current: 1050mA - 30/38W (100-110V / 120-277V) / 1000mA - 30/38W (100-110V / 120-277V) / 950mA - 30/38W (100-110V / 120-277V) / 900mA - 30/38W (100-110V / 120-277V) / 850mA - 30/35W (100-110V / 120-277V) / 800mA - 30/33W (100-110V / 120-277V) / 750mA - 30/32W (100-110V / 120-277V) / 700mA - 30/31W (100-110V / 120-277V) / 650mA - 29W / 600mA - 27W / 550mA - 24W / 500mA - 22W / 450mA - 20W / 400mA - 18W / 350mA - 15W / 300mA - 13W.

Fuente de alimentación de corriente constante 31W, 100/277V - 50/60Hz con corriente de alimentación seleccionable mediante switch. No regulable. Corriente de salida: 1050mA - 30/38W (100-110V / 120-277V) / 1000mA - 30/38W (100-110V / 120-277V) / 950mA - 30/38W (100-110V / 120-277V) / 900mA - 30/38W (100-110V / 120-277V) / 850mA - 30/35W (100-110V / 120-277V) / 800mA - 30/33W (100-110V / 120-277V) / 750mA - 30/32W (100-110V / 120-277V) / 700mA - 30/31W (100-110V / 120-277V) / 650mA - 29W / 600mA - 27W / 550mA - 24W / 500mA - 22W / 450mA - 20W / 400mA - 18W / 350mA - 15W / 300mA - 13W.



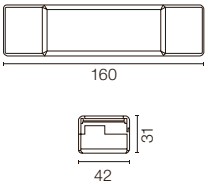


60.9387

Non dimmable continuous current power supply of 20W, dimmable 0-10V, 220/240V - 50/60Hz with power current 900 mA.

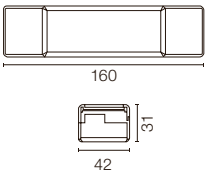
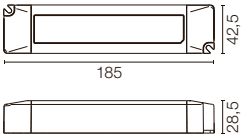
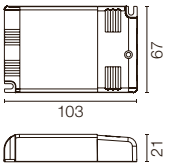
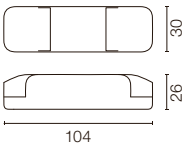
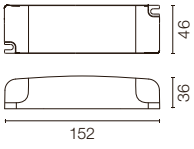
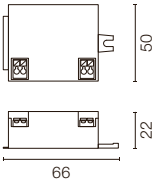
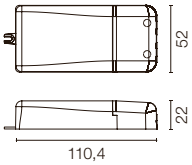
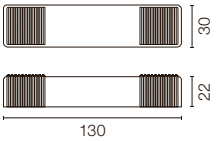
Fuente de alimentación de corriente constante 20W, regulable 0-10V, 220/240V - 50/60Hz con corriente de alimentación 900 mA.





60.9414

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

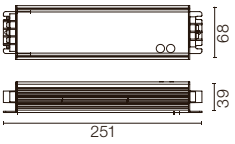
Continuous current power supply of 20W, dimmable DALI 2, 220/240V - 50/60Hz with power current 900 mA.	Fuente de alimentación de corriente constante 20W, regulable DALI 2, 220/240V - 50/60Hz con corriente de alimentación 900 mA.			60.9602
30W, 220-240V - 50/60Hz Constant current power supply, with dip-switch programmable power supply current. Output current: 900mA - 29.7W / 850mA - 29.7W / 800mA - 30.4W / 750mA - 30W / 700mA - 29.4W / 650mA - 27.3W / 600mA - 25.2W / 550mA - 23.1W	Fuente de alimentación de corriente constante 30W, 220-240V - 50/60Hz con corriente de alimentación programable mediante dip-switch. Corriente de salida: 900mA - 29.7W / 850mA - 29.7W / 800mA - 30.4W / 750mA - 30W / 700mA - 29.4W / 650mA - 27.3W / 600mA - 25.2W / 550mA - 23.1W			60.9692
Continuous current power supply of 1-32W, 110*/240V - 50/60Hz with power current selected through adjustable 250 mA - 12W / 300 mA - 14W / 350 mA - 17W / 400 mA - 19W / 450 mA - 22W / 500 mA - 24W / 550 mA - 26W / 600 mA - 28W / 650 mA - 31W / 700 mA - 32W, Dali 2 switch. *110V = Max. 15W	Fuente de alimentación de corriente constante 1-32W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 12W / 300 mA - 14W / 350 mA - 17W / 400 mA - 19W / 450 mA - 22W / 500 mA - 24W / 550 mA - 26W / 600 mA - 28W / 650 mA - 31W / 700 mA - 32W, regulable Dali 2. *Max 15W			60.8711A
Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 350mA - 7.35W / 400mA - 8.4W / 450mA - 9.45W / 500mA - 10.5W	Fuente de alimentación no regulable, de corriente constante 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 7.35W / 400mA - 8.4W / 450mA - 9.45W / 500mA - 10.5W			60.9768
Continuous current power supply of 100/240V - 50/60Hz with power current selected through adjustable 350mA - 15W / 500mA - 21W / 600mA - 26W / 700mA - 30W switch. Dali 1, Dali 2 dimming	Fuente de alimentación de corriente constante 100/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 15W / 500mA - 21W / 600mA - 26W / 700mA - 30W regulable Dali 1, Dali 2			60.9826
10W Constant current power supply, AC phase-cut adjustable, trailing and leading edge dimming (mains dimming), 220/240V - 50/60Hz, with 700mA power supply current.	Fuente de alimentación de corriente constante 10W, regulable mediante corte de fase en AC, trailing & leading edge dimming (mains dimming), 220/240V - 50/60Hz, con corriente de alimentación 700mA.			60.9379
12W Constant current power supply, AC phase-cut adjustable, trailing and leading edge dimming (mains dimming), 220/240V - 50/60Hz, with 250mA power supply current.	Fuente de alimentación de corriente constante 12W, regulable mediante corte de fase en AC, trailing & leading edge dimming (mains dimming), 220/240V - 50/60Hz, con corriente de alimentación 250mA.			60.9408
Continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable switch. 200mA - 8W / 250mA - 10W / 300mA - 12W / 350mA - 14W regulable trailing & leading edge dimming (mains dimming).	Fuente de alimentación de corriente constante 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch. 200mA - 8W / 250mA - 10W / 300mA - 12W / 350mA - 14W regulable mediante trailing & leading edge dimming (mains dimming).			60.9949

Constant Voltage Power Source for LED / Fuente de Alimentación de Tensión Constante para LED

LED power supply source for remote installation in 24V/240W electric control panel. 100/240V.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/240W. 100/240V.



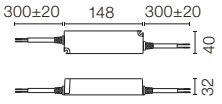


60.8268

Electronic transformer with constant voltage (24V) for LED. 100/240V.

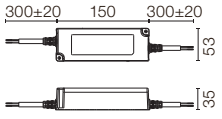
Transformador electrónico de tensión constante (24V) para LED. 100/240V.





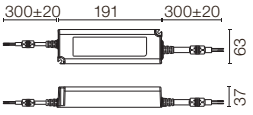
25W
60.8703





60W
60.9089



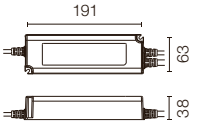


120W
60.9407

Remote power supply. Dimmable through 0-1/10V protocol. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo 0-1/10V. 24V Rango de regulación 10-100%. Carga mínima 20W.



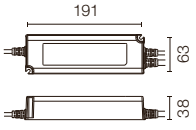


120W - DIM 0-1/10V
60.9681

Remote power supply. Dimmable through Casambi protoco. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo Casambi. 24V. Rango de regulación 10-100%. Carga mínima 20W



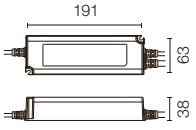


Casambi
120W - 110/240V
60.9683

Remote power supply. Dimmable through DALI protocol. 24V. Dimming range 10-100%. Minimum load 20W

Fuente de alimentación remota. Dimable mediante protocolo DALI2 2. 24V. Rango de regulación 10-100%. Carga mínima 20W



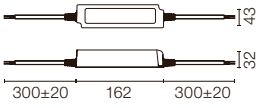


DALI
120W - 110/240V
60.9880

Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V. For independent use.

Transformador electrónico de tensión constante (24V) para LED. 60W. 100/240V. Para uso independiente.



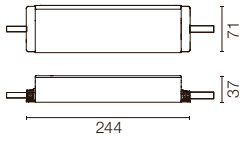


60.8515

LED power supply source for remote installation in 24V/200W electric control panel.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W.



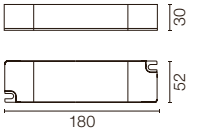


60.9352

Power supply source with constant voltage 24V - 60W, 220-240W-50/60Hz.

Fuente de alimentación de tensión constante 24V - 60W, 220-240W-50/60Hz.



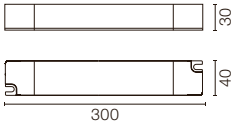


60.9515

Power supply source with constant voltage 24V - 120W, 220-240W-50/60Hz.

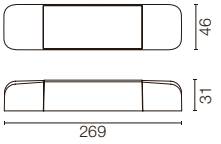
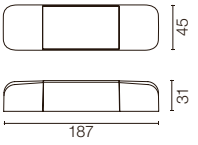
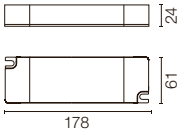
Fuente de alimentación de tensión constante 24V - 120W, 220-240W-50/60Hz.





60.9516

Constant Voltage Power Source for LED / Fuente de Alimentación de Tensión Constante para LED

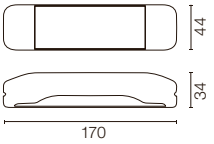
Power supply source with constant voltage 24V - 120W, 220-240W-50/60Hz.	Fuente de alimentación de tensión constante 24V - 120W, 220-240W-50/60Hz.			120W - 220/240V 60.9777A
Power supply source with constant voltage 24V - 60W, 220-240W-50/60Hz.	Fuente de alimentación de tensión constante 24V - 60W, 220-240W-50/60Hz.			60.9705
Power supply source with constant voltage 24V - 60W, 220-240W-50/60Hz.	Fuente de alimentación de tensión constante 24V - 60W, 220-240W-50/60Hz.			Mains Dimming 60.9881

12V / 24V Electronic Transformer / Transformador Electrónico 12V / 24V

12V electronic transformer. 230/240V, 50-225W.

Transformador electrónico 12V. 230/240V, 50-225W.





60.8364

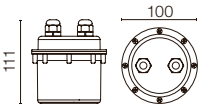
Please check compatibility with Retrofit LED lamps / Compruebe compatibilidad con lámparas LED Retrofit.

12V Conventional Transformer / Transformador Ferromagnético 12V

12V conventional transformer. 230V - 50/60Hz. IP67. Primary wire: 75 cm, secondary wire: 145 cm.

Transformador ferromagnético 12V. 230V - 50/60Hz. IP67. Cable primario: 75 cm, cable secundario: 145 cm.





50W
60.8311

Mains Dimming – Disclaimer

A dimmer compatible with mains dimming (leading/trailing edge) must be used.
Customer needs to check the compatibility between the dimmer used and the Flos luminaire.
Using dimmers that are not suitable for LED lighting can damage the luminaire, the driver and/or the dimmer. Therefore, their use is discouraged and any liability thereof is disclaimed.
The dimming range may vary depending on the model and the number of luminaires installed per dimmer, the driver and the dimmer used.
The maximum power installed per dimmer must not exceed 80% of the nominal power of the dimmer used.

Se debe usar un regulador compatible con regulación tipo mains dimming (leading/trailing edge).
El cliente debe comprobar la compatibilidad entre el regulador usado y la luminaria Flos.
El uso de reguladores no aptos para iluminación LED puede dañar la luminaria, el driver y/o el regulador por lo que se desaconseja su uso y se declina cualquier responsabilidad en su caso.
El rango de regulación puede variar dependiendo del modelo y la cantidad de luminarias instaladas por regulador, del driver y del regulador utilizado.
La potencia máxima instalada por regulador no debe superar el 80% de la potencia nominal del regulador utilizado.

Control
Greater Optical Control

The LED Array module has a high-density light surface that allows the light to be effectively controlled through reflectors. A wide variety of opening angles can be obtained, thereby catering for any application.

Control
Mayor Control Óptico

El módulo de LED Array dispone de una superficie de alta densidad lumínica que permite que, mediante reflectores, se pueda controlar de una forma muy eficaz la luz. Es posible obtener una gran variedad de ángulos de apertura, cubriendo de este modo, cualquier aplicación.

No Pixellation
White Light without Pixellation

Due to its configuration, the LED Array achieves a uniform standard of whites with no change in colour. In addition, during the useful life of the module, an exceptional maintenance of the luminous flow and colour temperature is obtained.

Sin Pixelación
Luz Blanca sin Pixelación

El LED Array, debido a su configuración, consigue un patrón de blancos uniforme sin variación de color. Además durante la vida útil del módulo consigue un excepcional mantenimiento del flujo luminoso y de la temperatura de color.

Cost Reduction
Reduction in Operating Costs

With this LED solution, there is a drastic reduction in maintenance costs due to its long useful life with a minimum luminous flow of 70 %. The energy consumed is reduced by 75 % compared to traditional lighting sources.

Reducción de Costes
Reducción de Costes de Operación

Con esta solución LED, la reducción de los costes de mantenimiento se ve reducida drásticamente debido a su larga vida útil con un flujo luminoso mínimo del 70 %. La energía consumida se reduce hasta en un 75 % comparada con las fuentes de iluminación tradicionales.

Retail Application
Light Source for Retail Application

The luminous flow contains no IR or UV radiation, which cause damage to clothing or the premature spoiling of food. The elimination of heat in the light beam is transformed into a reduction in air conditioning costs.

Aplicación Retail
Fuente de Luz para Aplicación Retail

El flujo luminoso no contiene rayos IR o UV, que son los causantes de los daños en ropa o un deterioro prematuro de los alimentos. La eliminación de calor en el haz luminoso se transforma en una reducción de los costes en aire acondicionado.

Reflectors
Light Performance

The LED module is not a point source. The light is emitted through the LEDS matrix resin area. This construction has an influence when making light calculations and controlling the LED opening angle. As a result, the best way to perform this light control is using reflectors.
These reflectors may be made of metallic thermoplastic material since there is no thermal demand on the light source. As they can be made of thermoplastic, there is greater flexibility in their design and the reflecting surface can be optimised with non-viable forms with traditional aluminium reflectors, with a performance of 90 %.
Opening angles of between approximately 20° and 60° can be obtained.

Reflectores
Rendimiento Luminoso

El módulo de LED Array no es una fuente puntual. La luz es emitida por el área de la resina de la matriz de LEDs. Esta construcción influye a la hora de realizar los cálculos lumínicos y de controlar el ángulo de apertura del LED. Por ello, la forma idónea de realizar este control luminoso es mediante reflectores.
Estos reflectores pueden realizarse en termoplástico metalizado, ya que no hay exigencias térmicas de la fuente luminosa. Al poderse realizar en termoplástico existe mayor flexibilidad en el diseño de los mismos y se puede optimizar la superficie reflectante con formas no viables con los reflectores tradicionales de aluminio, con un rendimiento del 90 %.
Es posible obtener ángulos de apertura desde unos 20° hasta 60° aproximadamente.

Light Beam
Closed Light Beam

Due to the fact that the light comes from a point source, optical control must be carried out using lenses. This optical control allows for the reduction of the light beam to very closed angles. For this reason, this is the most appropriate light source in applications which require a high light density.

Haz de Luz
Haz de Luz Cerrado

Debido a que la fuente de luz es puntual, el control óptico se debe de realizar mediante lentes. Este control óptico permite la reducción del haz de luz hasta ángulos muy cerrados. Por ello, en aplicaciones en que se necesite de una gran densidad de luz es la fuente luminosa más adecuada.

Design
Freedom of Design

The power LEDs are mounted on electronic board. These electronic boards can be designed in many different sizes and shapes, so that the complete light source design (electronic board + LED + Lenses) is extremely flexible and has great freedom. This flexibility makes it different from traditional light sources.

Diseño
Libertad de Diseño

Los power LED se montan en placas electrónicas. Estas placas electrónicas se pueden diseñar en infinidad de dimensiones y formas, de forma que el diseño completo de la fuente luminosa (placa electrónica + LED + Lentes) tiene gran flexibilidad y libertad. Esta flexibilidad lo hace desmarcarse de las fuentes de luz tradicionales.

Colour
Wide Range of Colour Temperatures

The power LEDs are discreet, and can be selected in a wide range of colour temperatures. Bins are established (chromatic spectrum ranges) in which it is guaranteed that the LEDs have a minimum chromatic change with respect to the colour temperature selected.

Color
Amplia Gama de Temperaturas de Color

Los power LED al ser LEDs discretos se pueden seleccionar en una gran variedad de temperaturas de color. Se establecen bins (rangos del espectro cromático) en donde se garantiza que los LEDs disponen de una variación cromática mínima con respecto a la temperatura de color seleccionada.

Light Beam
Diffuse Light

Given their geometry, they are excellent for applications that have no directed light requirements, such as indirect light or luminaires.

Haz De Luz
Luz Difusa

Debido a su geometría son excelentes para aplicaciones en las que no haya requerimientos de luz dirigida, como son la luz indirecta o luminarias con difusor incorporado.

Power Supply
Voltage 24V

Given their compact dimensions and simple power supply, the “Top LED” offer dozens of different solutions for designing a printed circuit. Their easy power supply using constant 12/24V voltage supplies with possible assemblies and connections in parallel, together with the possibility of creating grouped and irregular designs, make them the perfect candidate when a light source far from the conventions set my traditional light sources is necessary.

Alimentación
Tensión 24V

Por sus dimensiones compactas y su sencilla alimentación, los “Top led” ofrecen una multitud de soluciones diferentes a la hora de diseñar un circuito impreso. Su fácil alimentación mediante fuentes de tensión constante a 12/24V, con posibles montajes y conexiones en paralelo, junto con la posibilidad de crear diseño agrupados e irregulares, los hacen candidatos perfectos cuando es necesario el diseño de una fuente de luz lejos de los cánones establecidos por las fuentes de luz tradicionales.

Colour
Wide Range of Colour Temperatures

The “Top LED” like the “Power LED” are available in a large range of colour temperatures distributed throughout the entire chromatic spectrum. The selection made will be defined by its bin guaranteeing its homogeneity in it.

Color
Amplia Gama de Temperaturas de Color

Los “Top led” al igual que los “Power led” se encuentran disponibles en una extensa gama de temperaturas de color distribuidas a lo largo del espectro cromático. La selección determinada vendrá definida por su bin garantizándose su homogeneidad dentro del mismo.

Degree of Protection
Grado de Protección

IP
20

Protection degree offered by the fixture to the ingress of solids and liquids.

Índice de protección contra la penetración de partículas sólidas y húmedas.

IP
20

1st figure: protection against penetration by solid bodies.

1a cifra: protección contra la penetración de cuerpos sólidos.

0 No protection.
1 Protected against solid bodies over 50 mm in diameter.
2 Protected against solid bodies over 12 mm in diameter.
3 Protected against solid bodies over 2,5 mm in diameter.
4 Protected against solid bodies over 1 mm in diameter.
5 Protected against dust.
6 Fully protected against dust.

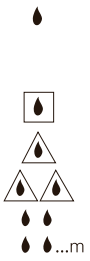
0 Ninguna protección.
1 Protección contra cuerpos sólidos de tamaño superior a 50 mm.
2 Protección contra cuerpos sólidos de tamaño superior a 12 mm.
3 Protección contra cuerpos sólidos de tamaño superior a 2,5 mm.
4 Protección contra cuerpos sólidos de tamaño superior a 1 mm.
5 Protección contra el polvo.
6 Totalmente protegido contra el polvo.

IP
2**0**

2nd figure: protection against penetration by water.

2a cifra: protección contra la penetración de agua.

0 No protection.
1 Protected against drops of water falting vertically.
2 Protected against drops of water at a max. inclination of 15 degrees.
3 Protected against drops of water at a max. inclination of 60 degrees.
4 Protected against splashed of water.
5 Protected against jets of water.
6 Protected against waves.
7 Protected against immersión.
8 Protected against long term immersión.



0 Ninguna protección.
1 Protección contra caída vertical de gotas de agua.
2 Protección contra caída vertical de gotas de agua, 15° máx. inclinación.
3 Protección contra caída vertical de gotas de agua, 60° máx. inclinación.
4 Protección contra salpicaduras de agua.
5 Protección contra chorros de agua.
6 Protección contra olas de agua.
7 Protección contra inmersión.
8 Protección contra inmersión prolongada.

Pictography
Simbología



Luminaire with builtin power packs or transformers, suitable for mounting directy onto normally inflammable surfaces.

Luminarias con balastos incorporados o transformadores previstos para montaje directo sobre superficies normalmente inflamables.



Conventional Ballast.

Balasto convencional.

GWT
850°

Passes Glow Wire Test at 850ºC according to standard IEC 60695-2-10.

Pasa ensayo de Hilo Incandescente (Glow Wire Test) a 850ºC según norma IEC 60695-2-10.



Luminaires designed to exclusively use wolfram halogen lamps or metal halide lamps with own protection screen.

Luminarias diseñadas para usar únicamente lámparas halógenas de volframio o lámparas de halogenuros metálicos con pantalla de protección propia.

Luminaires Classification
Clases de Aislamiento de las Luminarias



Class I

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of connecting the accesible conductive parts to a safety conductor (earth).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en conectar las partes accesibles conductoras de la luminaria a un conductor de seguridad o toma de tierra.



Class II

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of double reinforced insulation without conductive parts to a safety conductor (earth).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en un doble aislamiento reforzado.



Class III

Luminaire in which protection against electrical shocks is based on the very low safety supply voltage and no voltages are produced higher than this. A Class III luminaire must never be provided with earthing.

Luminaria cuya protección contra los choques eléctricos está basada en la muy baja tensión de alimentación sin que se produzcan voltajes mayores a ésta. Una luminaria de Clase III nunca debe ser suministrada con toma de tierra.

Homologations
Homologaciones

CE

All lamps manufactured and illustrated in this catalog comply with European Standard EN 60 598 and consequently meet the requirements set forth in Directive 73/23 EEC (Low Voltage Directive). They also comply with Directive 89/336 covering electromagnetic compatibility. All products falling under the scope of the above-mentioned Directives bear the CE mark as proof of their compliance with the respective requirements.

Todas las luminarias producidas y presentadas en este programa se han realizado en conformidad con la Norma Europea EN 60 598 y, por consiguiente, cumplen los requisitos establecidos por la Directiva CEE 73/23 (Directiva de Baja Tensión). Su realización garantiza también la conformidad con la Directiva 89/336 en lo concerniente la Compatibilidad Electromagnética. Todos los productos que forman parte del campo de aplicación de estas Directivas llevan el marcado CE que certifica su conformidad a los respectivos requisitos.

The ENEC mark on the product stands for the compliance of European Standard as well as a trustworthy organisation and product system and is guaranteed by an accredited certification body.
This agreed mark stands for our engagement and represents the best guarantee in security and quality matter of our products.

La presencia del marcado ENEC en el producto testimonia el cumplimiento de la normativa europea y garantiza la fiabilidad del sistema organizativo y productivo responsable de su fabricación, a través de un organismo de certificación acreditado.
El marcado ENEC representa nuestro compromiso y mejor garantía en materias de seguridad y calidad en todos nuestros productos.

The Spanish association for standardization and certification, AENOR, certifies that the Integrated Quality and Environmental Management System adopted by Antares Iluminación S.A. It complies with the requirements of the European Standards EN ISO 9001:2015 Quality Management System and EN ISO 14001:2015 Environmental Management System.

La asociación española de normalización y certificación AENOR certifica que el Sistema Integrado de Gestión de la Calidad y Medioambiente adoptado por Antares Iluminación S.A. es conforme a las exigencias de la Normas Europeas EN ISO 9001:2015 Sistema de gestión de la Calidad y EN ISO 14001:2015 Sistema de Gestión Ambiental.

The QCERT S.A.S. Certification Body evaluates the conformity of our products to enable their placement on the Colombian market while taking into account the current national and international regulations.
This product certification allows manufacturers and marketers to expand their markets and gain a competitive advantage that can transcend the boundaries of the local market while enhancing international trade.

El Organismo de Certificación QCERT S.A.S. evalúa la conformidad de nuestros productos para su comercialización en Colombia, considerando la normativa nacional e internacional vigente. Esta certificación de producto permite a los fabricantes y comercializadores expandir sus mercados y obtener una ventaja competitiva que puede trascender las fronteras del mercado local, potencializando el comercio a nivel internacional.

Created by IECEE, the CB certification system based on the IEC International Standards is recognized in Saudi Arabia, Argentina, Australia, Austria, Bahrain, Belgium, Belarus, Brazil, Bulgaria, Canada, China, Colombia, Croatia, Denmark, United Arab Emirates , Finland, France, Germany, Japan, Greece, India, Indonesia, Ireland, Israel, Italy, Kenya, Libya, Malaysia, Mexico, Norway, New Zealand, Netherlands, Pakistan, Poland, Portugal, United Kingdom, Czech Republic, Republic of Korea, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia, Spain, United States, South Africa, Sweden, Switzerland, Thailand, Turkey, Ukraine, Hungary and Uruguay.

Creada por IECEE, el sistema de certificación CB basado en la Normas Internacionales IEC está reconocido en Arabia Saudí, Argentina, Australia, Austria, Bahréin, Bélgica, Bielorrusia, Brasil, Bulgaria, Canadá, China, Colombia, Croacia, Dinamarca, Emiratos Árabes Unidos, Finlandia, Francia, Alemania, Japón, Grecia, India, Indonesia, Irlanda, Israel, Italia, Kenia, Libia, Malasia, México, Noruega, Nueva Zelanda, Países Bajos, Pakistán, Polonia, Portugal, Reino Unido, República Checa, República de Corea, Rumanía, Rusia, Serbia, Singapur, Eslovaquia, Eslovenia, España, Estados Unidos, Sudáfrica, Suecia, Suiza, Tailandia, Turquía, Ucrania, Hungría y Uruguay.

Photometric Data
Datos Fotométricos

With the passing of time, we have been exposed to a rising number of visual impacts. It is currently estimated that about 75% of the information we processe when relating to our surroundings is received through our eyes, which work very much like a camera, through the light that is emitted or reflected from objects in a given environment. This means that the information processed by the brain is heavily reliant on the level and type of light, and how this environment is illuminated.
The photometric documentation that has been prepared (especially through the calculation program) aims to provide lighting designers with the material they need to develop lighting projects that comply with the EN 12464-1 standard now in force, in terms of sufficient light distribution, visual comfort, maximum lighting efficiency and consequently, the lowest possible energy consumption. In order to make the most of the calculation program, it is essential to have all the necessary information on the products to be used.

Con el paso del tiempo, el número de inputs visuales a los que el hombre se expone ha aumentado. Actualmente, parece que aproximadamente el 75% de la información que el hombre procesa para relacionarse con su medio ambiente la recibe a través de los ojos, que funcionan de manera parecida a una cámara fotográfica, utilizando la luz emitida o reflejada por los objetos que hay en un determinado ambiente. Esto significa que la información procesada por el cerebro depende en gran medida de los niveles, del tipo de luz y del modo en que se ilumina ese ambiente.
Con la documentación fotométrica redactada (en especial a través del programa de cálculo) queremos facilitar a los diseñadores de iluminación el material necesario para la realización de proyectos de alumbrado que satisfagan la actual normativa EN 12464-1 por lo que se refiere la adecuada distribución de la luz, confort visual, máxima eficiencia luminosa y la consiguiente reducción de energia.
Para aprovechar al máximo las posibilidades del programa de cálculo es fundamental disponer de toda la información necesaria sobre los productos que pueden utilizarse.

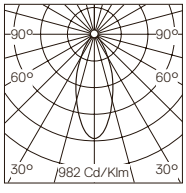
EN 12464-1 Standard

Sets the technical lighting requirements that satisfy the needs of indoor visual performance, especially in workplaces, even when visual display terminals are used, by prescribing the average illuminance values Em, color rendering Ra, visual comfort UGR.
UGR (Unified Glare Rating)
Classifies the discomfort glare caused by an indoor lighting system, taking into account the kind of luminaires, the reflecting features and size of the rooms, the position of the observers.
For example, for CAD workstations, EN 12464-1 standards set Em = 500 lx, Ra= 80, UGR<=19.

Norma EN 12464-1

Especifica los requisitos luminotécnicos para satisfacer las exigencias de prestación visual en los lugares de trabajo en interiores, incluidos los que prevén la utilización de pantallas de ordenador, prescribiendo los valores medios de iluminancia Em, el índice de rendimiento cromático Ra y el confort visual UGR.
Índice unificado de deslumbramiento UGR (Unified Glare Rating)
Define la clase de deslumbramiento causado por la instalación de alumbrado en un interior, tomando en consideración el tipo de luminarias, las características de reflexión y las dimensiones de los locales, así como la posición de los observadores.
Por ejemplo, para puestos de trabajo en los que se trabaje con programas CAD las normas EN 12464-1 prescriben Em = 500 lx, Ra= 80, UGR<=19.

Diagram of the Characteristics of Light Output

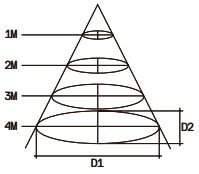


Luminous intensity distribution is presented in the form of a polar plot of one or more C planes that cross-section the luminaire, passing though its light center of gravity. The planes and the intensity are shown by means of a system of spherical coordinates (C, γ, I). The curves that join the ends of the intensity vectors on a C plane are called photometric curves or output indicators.
The number of C-section planes is prescribed by CIE recommendations, and is referred to in the European Standards on photometric measurements and data presentation (CEN 13 032-1).
For revolving or symmetrical luminaires, light output is shown as a single curve. In all the other cases, the diagram shows the horizontal (C0-180) and longitudinal (C90-270) planes at least.
For luminaires that can be fitted with light sources that are geometrically the same but with different luminous fluxes, it is generally accepted that the polar plot shows an ideal luminous flux of 1,000 lumen and is therefore expressed in cd/klm.
For light sources that include reflectors, the maximum luminous intensity values provided in this catalogue are absolute (cd) and do not refer to a standard 1,000 lm flux. For other sources, the same values correspond to an ideal 1,000 lm (cd/klm) flux.
For LED-based products incorporating control electronics and heat sinks, products requiring only line voltage or DC power supply, including complete LED luminaires with no replaceable integrated LED sources, the LM-79 test method uses absolute photometry to directly measure total lumen output for a particular configuration.
The real distribution of light and light intensity are measured directly for the complete luminaire.

Representación Gráfica de las Características de Emisión Luminosa

La distribución de las intensidades luminosas emitidas por una luminaria se representa con un diagrama polar correspondiente a uno o más planos C que seccionan la luminaria pasando por su baricentro luminoso. Los planos y las intensidades están definidos por un sistema de coordenadas esféricas (C, γ, I). Las curvas que unen los extremos de los vectores intensidad sobre un plano C se llaman curvas fotométricas o indicadoras de emisión.
El número de planos sección C lo prescriben las recomendaciones CIE, y se indica en la Norma Europea correspondiente a las mediciones fotométricas y a la presentación de los datos (CEN 13 032-1). Para luminarias que presentan emisiones rotosimétricas, la emisión luminosa está representada por una única curva. En todos los demás casos la representación gráfica prevé, como mínimo, los planos transversal (C0-180) y longitudinal (C90-270). Para luminarias que pueden montar lámparas geométricamente iguales pero con flujos luminosos diferentes, por lo general se acepta que el diagrama polar de las intensidades esté representado por un flujo luminoso ideal de 1.000 lumen y por lo tanto expresado en cd/klm.
Para fuentes luminosas con óptica incorporada, los valores de la intensidad luminosa máxima facilitados en este catálogo son absolutos (cd) y no se refieren a un flujo normalizado de 1.000 lm, mientras en las demás fuentes los mismos valores corresponden a un flujo ideal de 1.000 lm (cd/klm).
Para productos LED que incorporan electrónica de control y disipadores de calor, que requieran tanto alimentación a tensión de red o mediante fuente de alimentación DC, incluyendo luminarias LED completas provistas de módulos LED no reemplazables, el método de ensayo LM-79 utiliza la fotometría absoluta para medir directamente el flujo luminoso total para una configuración particular.
La distribución real de la luz e intensidad luminosa se miden directamente de la luminaria completa.

E(lx/Klm) h(m)	D(m) 11°
1 4918	0.20
2 1229	0.40
3 546	0.60
4 307	0.80
5 197	0.99



Illuminance (shown as E)

The average illuminance expressed in lux (lx) on a surface is the quotient resulting from the luminous flux, expressed in lumen (lm), on the surface and the dimension (m^2) of the surface itself. Depending on the need, the illuminance value can be horizontal (e.g. on a desk: for reading), vertical (illumination of a sports fields: to see the players), semi-cylindrical (urban fittings: to see who is coming towards us).
In some cases, for example when using spotlights or lamps with a reflector, the performance features are simply shown by means of tables called “light cones” showing both the average and maximum illuminance values, as well as the diameter of the luminous spot, in relation to the distance of the plane from the luminaire. The vertex angle of the light cone is the luminaire’s beam, that is, the angle formed by the intensity vector when its module is greater than half of the maximum intensity.
Illuminance is expressed in lux per 1,000 lm (lx/klm). For light sources that include reflectors, the average and maximum illuminance values are absolute. For other sources, they correspond to an ideal 1,000 lm flux.

Iluminancia (representado con el Símbolo E)

El nivel medio de iluminancia expresado en lux (lx) sobre una superficie es el cociente entre el flujo luminoso, expresado en lumen (lm) que incide sobre la superficie y el tamaño (m^2) de dicha superficie. En función de las exigencias es posible calcular iluminancias horizontales (por ej. sobre un escritorio: para leer), verticales (alumbrado de un campo deportivo: para reconocer los atletas) o semicilíndricas (alumbrado urbano: para identificar con quien nos cruzamos).
En algunos casos, por ej. al utilizar focos y lámparas con reflector incorporado, la representación de las prestaciones se simplifica mediante tablas llamadas “conos de luz” que indican tanto los valores de las iluminancias medias y máximas como los diámetros de la mancha luminosa en relación con las distancias del plano respecto a la luminaria. El ángulo en el vértice del cono de luz es la apertura del haz de la luminaria, es decir el ángulo descrito por el vector intensidad cuando su módulo es mayor que la mitad de la intensidad máxima. La iluminancia se expresa en lux por cada 1.000 lm (lx/klm). Para fuentes luminosas con óptica incorporada, los valores de las iluminancias medias y máximas son absolutos, mientras que para las demás fuentes corresponden a un flujo ideal de 1.000 lm.

Isolux

The photometric results of a lighting installation can be shown on a surface using an “Isolux”, that is, lines connecting the points with the same illuminance. Isolux diagrams are used to quickly determine, albeit in an approximate manner, the average value and uniformity of the illuminance.

Isolux

Sobre una superficie, los resultados fotométricos de una instalación de iluminación pueden representarse gráficamente mediante “isolux”, es decir líneas que unen los puntos que tienen la misma iluminancia. Las isolux permiten evaluar rápidamente, aunque aproximadamente, el valor medio y la uniformidad de la iluminancia.

CIE 62/98/100/100/74
DIN A50
UTE 0.47C+0.00T
CIBSE TM5 BZ3/2/BZ2

Photometric classification of luminaires

Using the classification of luminous flux distribution and using the various ratios between the flux emitted by a luminaire in the upper and lower hemispheres, as well as the ratio of their different yields, a luminaire can be classified on the basis of different recommendations and standards: CIE, DIN 5040, UTE, and CIBSE LG3.

Clasificación Fotométrica de las Luminarias

Considerando las características de distribución del flujo luminoso y según varias relaciones entre el flujo emitido por una lámpara en el hemisferio superior e inferior, así como la relación entre los varios rendimientos, es posible caracterizar una luminaria según distintas normas y estándares: CIE, DIN 5040, UTE y CIBSE LG3.

CIE

Diagram of flux distribution by a luminaire inside cones with specific angles; the last number of the series provides the total output ratio of the luminaire. Illuminating luminaires are classified on the basis of five numbers (CIE codes)
$N_1=F_1/F_4$ $N_2=F_2/F_4$ $N_3=F_3/F_4$ $N_4=F_4/F_5$ $N_5=F_5/F$= yield
Where:
F_1 is the flux emitted in the solid angle cone π/2, vertex angle 83°
F_2 is the flux emitted in the solid angle cone π, vertex angle 120°
F_3 is the flux emitted in the solid angle cone 3π/2, vertex angle 151°
F_4 is the flux emitted in the solid angle cone 2π, vertex angle 180°
F_5 is the flux emitted in the solid angle cone 4π, vertex angle 360°
F is the installed flux.

CIE

Representación de la distribución del flujo emitido por la luminaria en el interior de conos con ángulos de apertura definidos; el último número de la serie indica el rendimiento total de la luminaria.
Las luminarias se clasifican según cinco números (códigos CIE)
$N_1=F_1/F_4$ $N_2=F_2/F_4$ $N_3=F_3/F_4$ $N_4=F_4/F_5$ $N_5=F_5/F$= rendimiento
Donde:
F_1 es el flujo emitido en el cono de ángulo sólido π/2, ángulo en el vértice 83°
F_2 es el flujo emitido en el cono de ángulo sólido π, ángulo en el vértice 120°
F_3 es el flujo emitido en el cono de ángulo sólido 3π/2,S ángulo en el vértice 151°
F_4 es el flujo emitido en el cono de ángulo sólido 2π, ángulo en el vértice 180°
F_5 es el flujo emitido en el cono de ángulo sólido 4π, ángulo en el vértice 360°
F es el flujo instalado.

DIN 5040

The photometric classification of luminaires consists of a letter and two numbers. The letter indicates the luminous distribution starting from A: direct concentrated to E: indirect. The first number indicates the percentage of luminous flux emitted in the lower hemisphere (direct). The second number indicates the percentage of luminous flux in the upper hemisphere (indirect).

UTE

The photometric classification of luminaires consists of a number that indicates the direct output ratio followed by a letter that indicates the luminous distribution starting from A for a narrow angle to J for semi-indirect. Should the luminaire also have indirect emission (upper hemisphere), the indirect yield followed by the letter "T" is added. For example, for a luminaire emitting 30% of its flux downwards and 35% upwards, with a semi-indirect emission, the UTE code would be 0.30J + 0.35T.

CIBSE LG3

With the amendment of Lighting Guidance 3 in 2001, the category classification system (Cat) was abolished to conform to European Standard EN 12464-1.
This British Standard classified luminaires in three luminance categories: C0-180, C90-270, C135-315 and C225-45.
CIBSE LG3 Cat 1 if luminance was lower than 200 cd/m^2 starting at a 55° observation angle γ.
CIBSE LG3 Cat 2 if luminance was lower than 200 cd/m^2 starting at a 65° observation angle γ.
CIBSE LG3 Cat 3 if luminance was lower than 200 cd/m^2 starting at a 75° observation angle γ.

Colored Filters

The use of colored filters in a luminaire modifies its photo-colorimetric features, for example the color temperature of the light bulb, adapting it for accent lighting or for a special setting.
The use of filters also reduces the luminous output which can vary depending on the filter's characteristics.

Eulumdat Files

The Eulumdat files of all the FLOS luminaires are available on our website www.flos.com, so they can be used in technical lighting calculations.

DIN 5040

La clasificación fotométrica de las luminarias está constituida por una letra y dos números. La letra indica la distribución luminosa empezando por la A: directa concentrada, hasta la E: indirecta. La primera cifra indica el porcentaje de flujo luminoso emitido en el hemisferio inferior (directa). La segunda cifra indica el porcentaje de flujo en el hemisferio superior (indirecto).

UTE

La clasificación fotométrica de las luminarias está constituida por un número que indica el rendimiento directo seguido por una letra que indica la distribución luminosa a partir de A para el haz estrecho hasta J para el semiindirecto. Si la luminaria tuviera también una emisión indirecta (superior), se añadiría el rendimiento indirecto seguido por la letra "T". Por ejemplo para una luminaria que emita el 30% de su flujo hacia abajo y el 35% del flujo hacia arriba, con una emisión semiindirecta, el código UTE sería 0,30J + 0,35T.

CIBSE LG3

Con las modificaciones en el Lighting Guidance 3 de 2001 el sistema de clasificación por categorías (Cat) fue abolido para uniformarse con la normativa Europea EN 12464-1.
Esta normativa inglesa clasificaba las luminarias en tres categorías según la luminancia en cuatro planos: C0-180, C90-270, C135-315 y C225-45.
Estaban clasificadas como CIBSE LG3 Cat 1 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 55°.
Estaban clasificadas como CIBSE LG3 Cat 2 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 65°.
Estaban clasificadas como CIBSE LG3 Cat 3 las luminarias con luminancia inferior a 200 cd/m^2 para ángulos de observación γ a partir de 75°.

Filtros de Colores

La aplicación de filtros de colores a una luminaria permite modificar las características fotocolorimétricas, por ejemplo la temperatura del color de la lámpara, adecuándola a las exigencias de un alumbrado de acento o de una ambientación particular.
La utilización de filtros determina, además, una reducción de la emisión luminosa de entidad variable en función de las características del filtro.

Archivos Eulumdat

Los archivos Eulumdat de todas las luminarias de FLOS están disponibles en nuestra web www.flos.com, para permitir su utilización en programas de cálculo luminotécnico.

SOFT ARCHITECTURE

Wall Rupture, Softprofile, Juncos, Soft Spun,
Abajourd'hui, G-O In, Teardrop, Uso,
Round, Square & Vertical Light.

Wall Rupture



Softprofile Smooth

Smooth Small



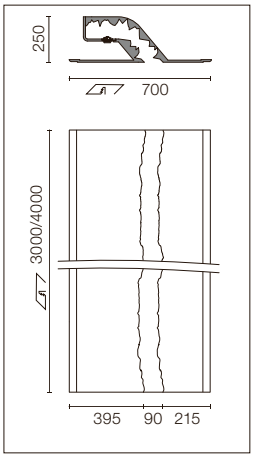
Smooth Large

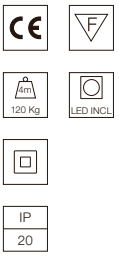


Wall Rupture Designed By Thierry Dreyfus

Light Source: LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K







Soft technology wall-mounted, recessed luminaire. LED modules to emit lights with different colour temperature depending on décor; non-dimmable gear included. 220/240V power supply included.

For personal configuration ask Flos architectural sales team.

Luminaria empotrada para instalación a pared de tecnología Soft. Módulos de LED de diferente temperatura de color según el decorado y equipos no dimables incluidos. Fuente de alimentación 220/240V incluida.

Para una configuración personal consultar con el equipo de ventas de Flos architectural.

Profile

3m

SA.2423.5A145
SA.2423.5A165

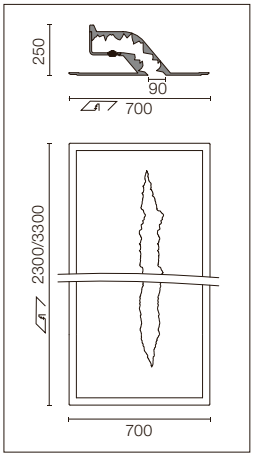
4m

SA.2424.5A145
SA.2424.5A165

Wall Rupture with End caps Designed By Thierry Dreyfus

Light Source: LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K





End cap

2,3m

SA.2453.5A145
SA.2453.5A165

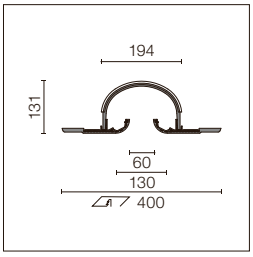
3,3m

SA.2454.5A145
SA.2454.5A165

WINNER 2011

Softprofile Smooth Small Designed By Flos Soft Architecture





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

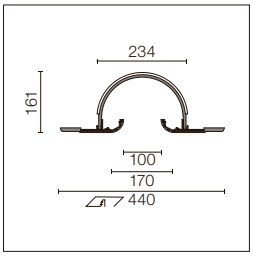
Ver módulos LED y controladores LED.

Profile
3m
SA.2293.1
4m
SA.2294.1

End cap
SA.2295.1

Softprofile Smooth Large Designed By Flos Soft Architecture





End cap / Terminal





Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

See LED modules and LED drivers.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

Ver módulos LED y controladores LED.

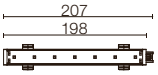
Profile
3m
SA.2323.1
4m
SA.2324.1

End cap
SA.2325.1

LED DRIVERS

For: Softprofile Smooth

Linear Module LED
Módulo LED Lineal





White

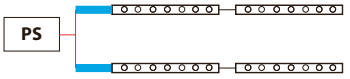
08.8512.00C
3,5W
228 lm
3000K
CRI 85

08.8513.00C
7W
456 lm
3000K
CRI 85

LED module for optimal indirect illumination. Tyco connections male / female for easy electrical connection in both sides. Can be clipped directly to the Profile.

Módulo LED para una óptima iluminación indirecta. Conexiones Tyco macho / hembra para una fácil conexión eléctrica en ambos lados. Puede ser enganchado directamente al Perfil.

Non Dimmable



Wiring
Cableado

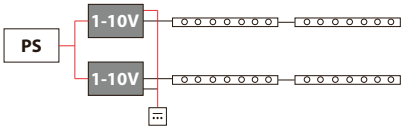
White

06.1016.00

500mm feed cable for white LED modules with fast connection. Necessary one for each LED line (two for each Profile). Maximum for each feed cable: 3 LED line meters.
Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida. Es necesario uno por cada línea LED (dos por cada Perfil). Máximo por cada cable de alimentación: 3 metros lineales LED.
Unidad de alimentación electrónica no incluida.

Dimmable 1-10V



Dimmable Interface
Interfaz Regulable

White

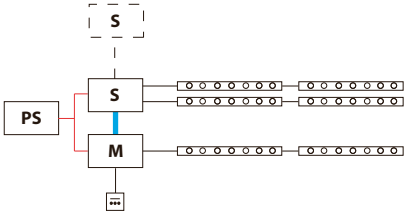
06.1022.00E

1-10V

1-10V interface with two 500mm feed cable for white LED modules with fast connection. Maximum for each interface: 6 LED meters. Electronic power supply not included.

Interfaz de 1-10V con dos cables de alimentación de 500mm para módulos LED blancos con conexión rápida. Máximo por cada interfaz: 6 metros de LED. Unidad de alimentación electrónica no incluida.

Dimmable Interfaces
Interfaces Regulables



White

06.1023.00

M

Dali Master interface with one 5 pole distributor and two 500mm feed cable for easy connection.
Electronic power supply not included.

Interfaz “Master” Dali con un distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

Installer provides / El instalador lo suministra

LED DRIVERS

For: Softprofile Smooth

Dimmable Interfaces **Interfaces Regulables**	**White**
Slave interface to expand the signal with two 5 pole distributors and four 500mm feed cable for easy connection. Electronic power supply not included. Interfaz “Slave” para ampliar la señal con dos distribuidores de 5 polos y cuatro cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.	06.1024.00 S
2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max. 2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.	08.8297.00

Power Suply / Unidad de Alimentación

Installation in False Ceiling **Instalación en Falso Techo**	PS
Electronic 25W / Electrónica 25W Power supply / Fuente de alimentación LED. 25W – 24V. 100-240V, 50-60Hz.	60.8703
Electronic 60W / Electrónica 60W Power supply / Fuente de alimentación LED. 60W – 24V. 100-240V, 50-60Hz.	60.9089
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407

Remote Installation Electrical Panel **Instalación Remota en Cuadro Eléctrico**	PS
Electronic 240W / Electrónica 240W Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

Installation Guidelines / Tablas de Instalación

	White			
	25W	**60W**	**120W**	**240W**
Max lenght LED* Longitud máxima de LED*	**1m**	**3,5m**	**5,5m**	**13m**
Cable section (installer provides) Sección de cable (el instalador lo suministra)	**0,5mm²**	**0,5mm²**	**0,75mm²**	**1mm²**
Max distance Distancia máxima PS–M/S	**5m**	**10m**	**15m**	**50m**
Max distance Distancia máxima M–S	**20m**			
Max distance Distancia máxima M/S–⬭⬭⬭	**20m**			
Max lenght LED connected to Máxima longitud módulos LED conectados con M	**2m**			
Max lenght LED connected to Máxima longitud módulos LED conectados con S	**4m**			

* Beware: For Softprofile, 2x LED lenght = profile lenght / Atención: Para Softprofile, 2x longitud de LED = longitud de perfil

Juncos

Juncos 1L



Juncos 3L



Juncos 6L



Juncos 9L



Soft Spun

Soft Spun Small



Soft Spun Large



Abajourd'hui

Abajourd'hui Small



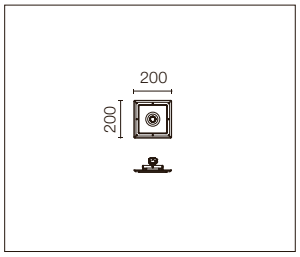
Abajourd'hui Large



Juncos Designed By Flos Soft Architecture

Juncos 1L





0,70 Kg

Semi-recessed LED luminaire for indoor applications. Seamless integration in the architectural environment by Soft Architecture technology. Power supply not included. See drivers in next page.

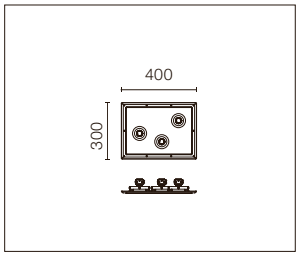
Pre-wired product to be connected to constant current.

Luminaria LED de interiores semiempotrada que combinada con la tecnología Soft Architecture se integra perfectamente en el espacio arquitectural. Fuente de alimentación no incluida. Ver drivers en la siguiente página.

Producto precableado para su conexión a corriente constante.

Juncos 3L



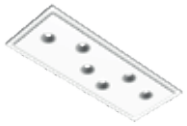


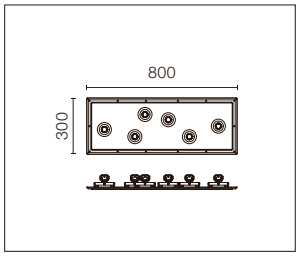
2,90 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Juncos 6L



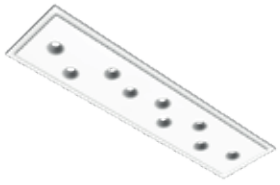


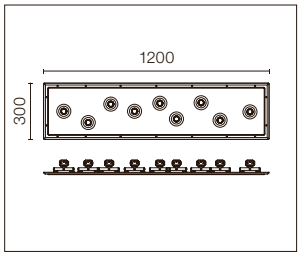
5,80 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Juncos 9L





8,70 Kg

Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Soft Plate / Placa Soft

Juncos 1L
- [ ] SA.5200.5.120

Juncos 3L
- [ ] SA.5201.5.120

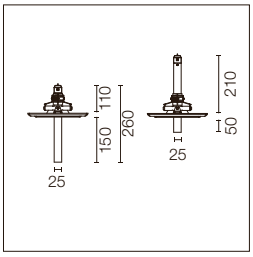
Juncos 6L
- [ ] SA.5202.5.120

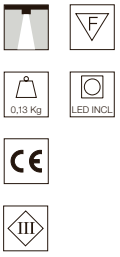
Juncos 9L
- [ ] SA.5203.5.120

Junco 250 mm

Light Source: Power LED DC 700 mA - 2,1W - 216 lm - 3000K/CRI 80 / 2,1W - 182 lm- 2700K/CRI 90





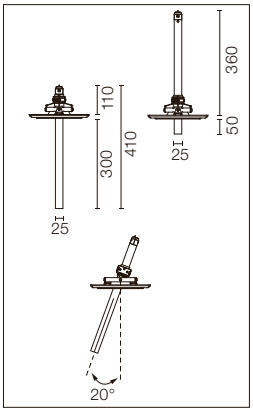


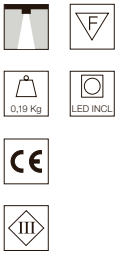
Luminaire that offers many possibilities. Can be individually focused and their recessed height is adjustable. Available in a black, white and chrome finish.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

Luminaria que ofrece gran versatilidad. Individualmente orientable y nivel de empotramiento regulable. Disponible en acabado negro, blanco y cromo.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

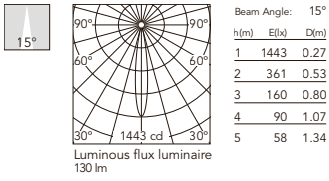
Junco 400 mm







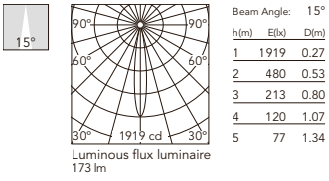
Junco 250 mm
2700K
08.8595.40A
08.8595.06A
08.8595.AAA



Luminous flux luminaire
130 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

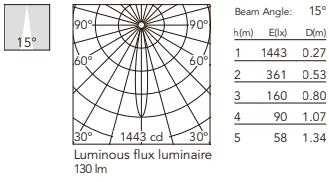
3000K
08.8590.40A
08.8590.06A
08.8590.AAA



Luminous flux luminaire
173 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

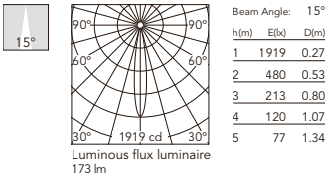
Junco 400 mm
2700K
08.8596.40A
08.8596.06A
08.8596.AAA



Luminous flux luminaire
130 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

3000K
08.8591.40A
08.8591.06A
08.8591.AAA



Luminous flux luminaire
173 lm

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

Drivers for Serial Connection / Equipos para Conexión en Serie

DIM Protocol	1L	3L	6L	9L
Non Dimmable	60.9592			
Non Dimmable	60.9408			
Non Dimmable - UL	60.8911			
Dimmable 1-10V - Push - UL	60.9188			-
Dimmable Dali	60.9222			
Casambi	-	60.9716	60.9716	60.9716
Mains Dimming	60.9379	60.9379	60.9692	60.9692

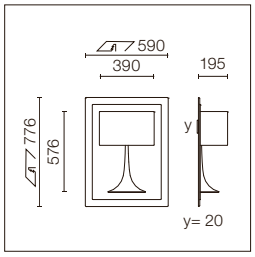
* Refer to the Drivers chapter / Ver capítulo Drivers

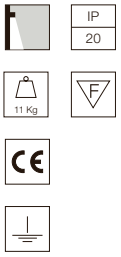
Max. distance from LED driver / Distancia máxima del equipo de LED Constant current driver (700mA) / Equipo de corriente constante			
Distance / Distancia	10 m	20 m	50 m
Cable section / Sección de cable	0,5mm^2	1mm^2	2,5mm^2

Soft Spun Halogen Small Designed By Sebastian Wrong

Light Source: LED QT-DE-12 1xR7s (78 mm)







Recessed luminaire with main voltage source for LED Retrofit lamp.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit.

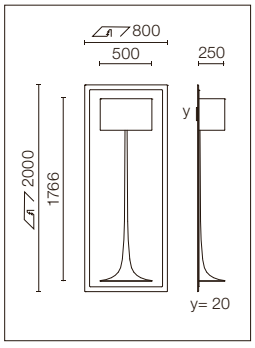
Ver catálogo FLOS Decorative Collection.

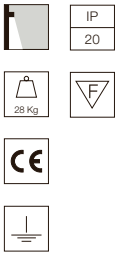
SA.5005.1

Soft Spun Halogen Large Designed By Sebastian Wrong

Light Source: LED QT-DE-12 1xR7s (diffuser) (118 mm) / LED White 1,4W - 80 lm - 3000K/CRI>90 (base)







Recessed luminaire with main voltage source for LED Retrofit lamp. Electronic LED driver 220-240V / 50-60Hz integrated.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red para lámpara LED Retrofit. Conductor LED electrónico 220-24OV / 50-60 Hz integrado.

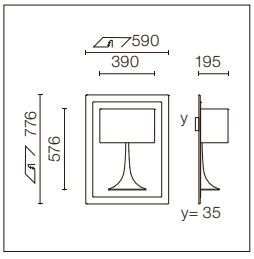
Ver catálogo FLOS Decorative Collection.

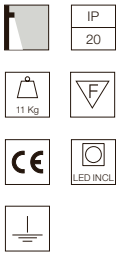
SA.5009.1

Soft Spun LED Small Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90







Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

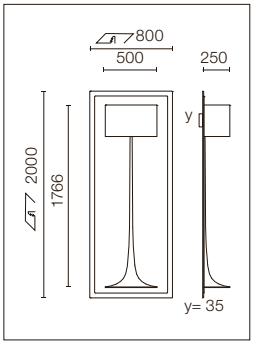
Ver catálogo FLOS Decorative Collection.

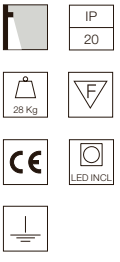
SA.5006.1F

Soft Spun LED Large Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90 (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)







Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

See Flos Decorative Collection catalogue.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

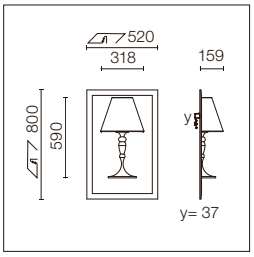
Ver catálogo FLOS Decorative Collection.

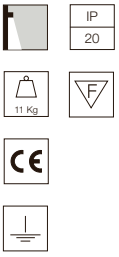
SA.5007.1F

Abajourd'hui Small Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 75W







Recessed luminaire with direct connection to mains.
Excluded light source. To be ordered separately.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red.
Fuente de luz no incluida. Se ha de pedir por separado.

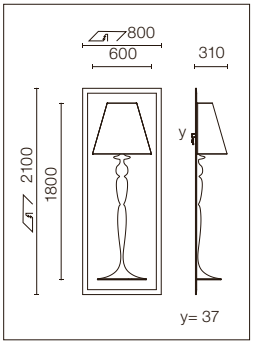
Ver catálogo FLOS Decorative Collection.

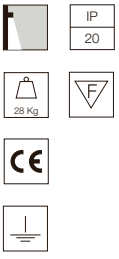
SA.5001.1

Abajourd'hui Large Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 150W







Recessed luminaire with direct connection to mains.

See Flos Decorative Collection catalogue.

Luminaria empotrable con alimentación directa a red.

Ver catálogo FLOS Decorative Collection.

SA.5000.1

G-O In



Teardrop Small / Medium



USO

USO Kap 105



USO 332



USO 700



USO 800



USO 1000



USO 1400



USO Cove Lighting

USO 900 Cove Lighting



USO 1700 Cove Lighting



USO 2200 Cove Lighting



USO 2500 Cove Lighting



USO 100 50 Cove Lighting



USO 140 90 Cove Lighting



Round Light Small



Square Light Small / Large



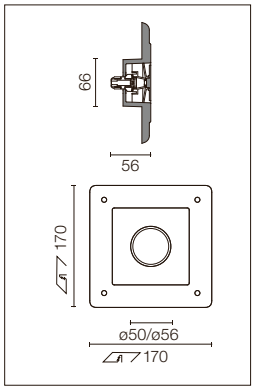
Vertical Light Small / Large



G-O In Designed By Jorge Herrera

Light Source: Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90







Recessed sign luminaire for indoor application. Power supply source not included: electronic transformer with constant voltage (24V) for LED. 220/240V, 50/60Hz. It includes 1000mm power supply cable.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación no incluida: transformador electrónico de tensión constante (24V) para LED. 220/240V, 50/60Hz. Incluye cable de alimentación de 1000mm.

White Light / Luz Blanca
SA.5100.1A
Amber Light / Luz Ámbar
SA.5101.1A
Blue Light / Luz Azul
SA.5102.1A

Lighting Colours
Colores de la Luz

White
Blanco

Amber
Ámbar

Blue
Azul







Recommended power supply / Equipos recomendados*:

Non Dimmable 110-240V	60.9157 (8W)
Non Dimmable 220-240V	60.8703 (25W)
Dali Controler	60.9678A

* Refer to the Drivers chapter / Ver capítulo Drivers

Dali Controler	60.9766
1-10V Controler	60.8640

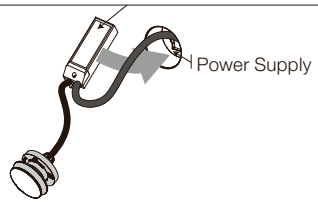
* Refer to Control Units bellow / Ver Unidades de Control abajo

For Dali installation, the non-dimmable kit and the Dali controller are needed.

Para instalación Dali es necesario el equipo no dimable y el controlador Dali.

Ensure correct polarity (+-) Red +/ Black.

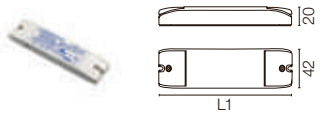
Asegure la correcta polaridad (+-) Rojo +/ Negro.



Control Units / Unidades de Control

Dimmable control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



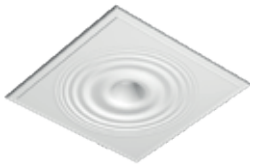
1-10V
60.8640
L1: 172

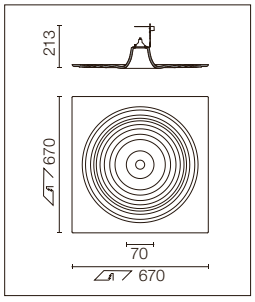
DALI
60.9766
L1: 181

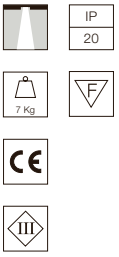
reddot design award
winner 2013

Teardrop Small Designed By Calvi Brambilla

Light Source: LED QR-CBC-51 1xGU5.3







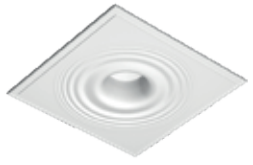
Recessed luminaire for 12V LED Retrofit lamp. Remote transformer not included: electronic transformer 12V. 220/240V, 50/60Hz. Adjustable by means of “leading and trailing edge”.
Mains Dimming Products – Please read Mains Dimming disclaimer in drivers chapter.

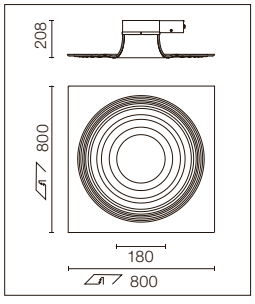
Luminaria empotrable para lámpara LED Retrofit de 12V. Transformador remoto no incluido: transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación “leading and trailing edge”.
Productos Mains Dimming - Lea la cláusula de exención de responsabilidad sobre Mains Dimming en el capítulo de controladores (*Drivers*).

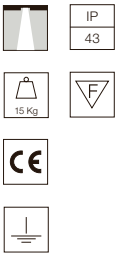
SA.1039.1

Teardrop Medium Designed By Calvi Brambilla

Light Source: TC-DEL 2xG24q - 26W





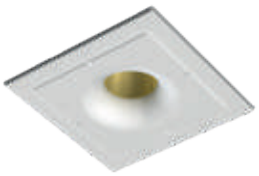


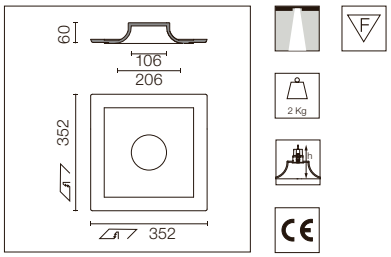
Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

Luminaria empotrable para lámpara fluorescente. Balastos no dimables 220-240V / 50-60Hz integrado.

SA.1040.1

USO Kap 105 Designed By Flos Soft Architecture





Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1034.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

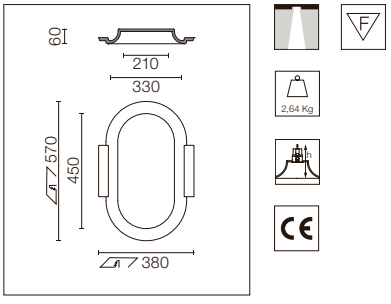
Kap Ø105*

SA.1034.3.116 h=290

* Frame No Trim included / Marco No Trim incluido

USO 332 Designed By Flos Soft Architecture





Soft technology architectonic application for modular ceilings that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft para techos modulares que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1001.3.102
SA.1001.3.003
SA.1001.3.004
SA.1001.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

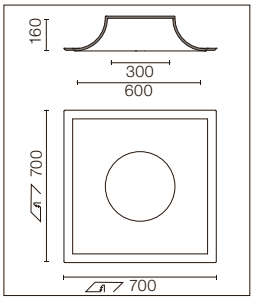
Easy Kap Ø105**	Wan Downlight**	Wan Spot**	Kap Ø105*
			
SA.1001.3.102 h=196	SA.1001.3.003 h=171	SA.1001.3.004 h=110	SA.1001.3.116 h=198

* Frame No Trim included / Marco No Trim incluido

** No Trim Frame excluded. To be ordered separately /
** Marco No Trim no incluido. Se ha de pedir por separado

USO 700 Designed By Flos Soft Architecture







Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

SA.1002.3.102
SA.1002.3.003
SA.1002.3.004
SA.1002.3.116

Flos architectural Recommended Products / Productos Flos architectural Recomendados

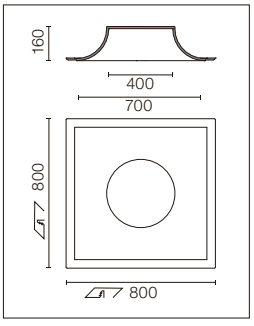
Easy Kap Ø105	Wan Downlight	Wan Spot	Kap Ø105*
			
SA.1002.3.102 H=296	SA.1002.3.003 H=271	SA.1002.3.004 H=210	SA.1002.3.116 H=298

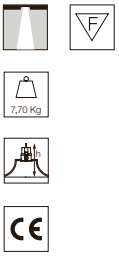
* Frame No Trim included / Marco No Trim incluido

No Trim Frame excluded. To be ordered separately /
Marco No Trim no incluido. Se ha de pedir por separado

USO 800 Designed By Flos Soft Architecture







Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

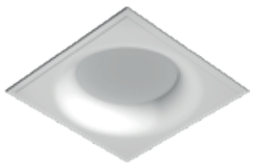
Las referencias no incluyen los productos de Flos architectural.

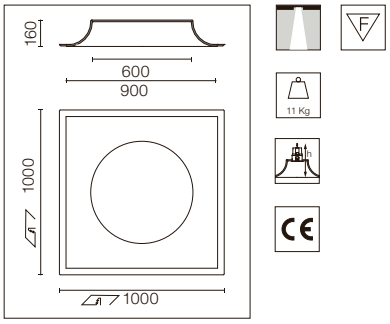
SA.1003.3.102
SA.1003.3.003
SA.1003.3.004

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Easy Kap Ø105	Wan Downlight	Wan Spot
		
SA.1003.3.102 H=296	SA.1003.3.003 H=271	SA.1003.3.004 H=210

USO 1000 Designed By Flos Soft Architecture





Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

SA.1004.3.102
SA.1004.3.003
SA.1004.3.004

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

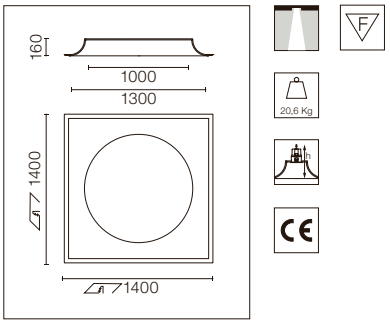
Las referencias no incluyen los productos de Flos architectural.

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Easy Kap Ø105	Wan Downlight	Wan Spot
SA.1004.3.102 H=296	SA.1004.3.003 H=271	SA.1004.3.004 H=210

USO 1400 Designed By Flos Soft Architecture





Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

References do not include Flos architectural products.

SA.1005.3.102
SA.1005.3.003
SA.1005.3.004

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

Las referencias no incluyen los productos de Flos architectural.

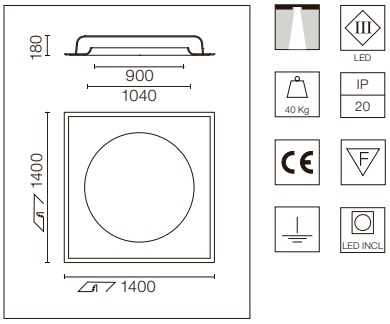
Flos architectural Recommended Products / Productos Flos architectural Recomendados

Easy Kap Ø105	Wan Downlight	Wan Spot
SA.1005.3.102 H=296	SA.1005.3.003 H=271	SA.1005.3.004 H=210

USO 900 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7875 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Cold Cathode
SA.1006.4.300

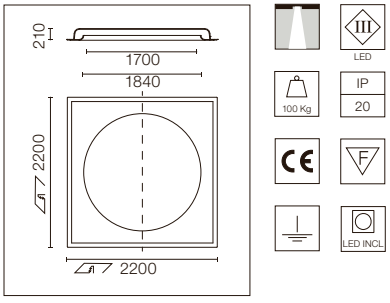
LED RGB
SA.1006.6E100

LED White
SA.1006.5E110

USO 1700 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 21W - 15200 lm / Cold Cathode 161W - 4x40W - 13824 lm - 3000K/CRI 85
LED White 136,8W - 38x3,6W - 14250 lm - 3000K/CRI 90 / LED RGB 136,8W - 38x3,6W





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

Cold Cathode
SA.1007.4.300

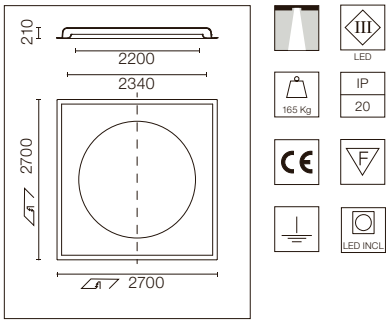
LED RGB
SA.1007.6E100

LED White
SA.1007.5E110

USO 2200 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 205W - 4x51W - 17568 lm - 3000K/CRI 85
LED White 180W - 50x3,6W - 18750 lm - 3000K/CRI 90 / LED RGB 180W - 50x3,6W





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

Cold Cathode
SA.1008.4.300

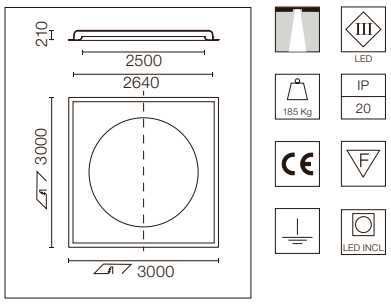
LED RGB
SA.1008.6E100

LED White
SA.1008.5E110

USO 2500 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 230W - 19728 lm - 3000K/CRI 85
LED White 194W - 54x3,6W - 20250 lm - 3000K/CRI 90 / LED RGB 194W - 54x3,6W





Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Se sirve en dos piezas.

Cold Cathode
SA.1009.4.300

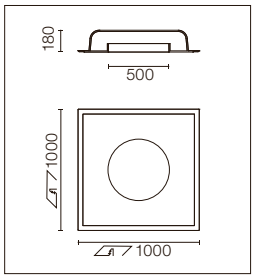
LED RGB
SA.1009.6E100

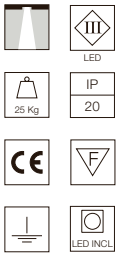
LED White
SA.1009.5E110

USO 100 50 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 14W - 4800 lm / T5 FQ 4xG5 - 24W - 7000 lm / Cold Cathode 58W - 3x19W - 4968 lm - 3000K/CRI 85
LED White 57,6W - 16x3,6W - 6000 lm - 3000K/CRI 90 / LED RGB 57,6W - 16x3,6W







Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

Cold Cathode
SA.1010.4.300

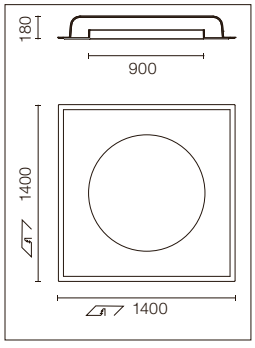
LED RGB
SA.1010.6E100

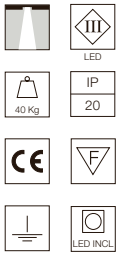
LED White
SA.1010.5E110

USO 140 90 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7805 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W







Recessed ceiling luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

Luminaria empotrada para ser instalada a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED.
Ver controladores LED.

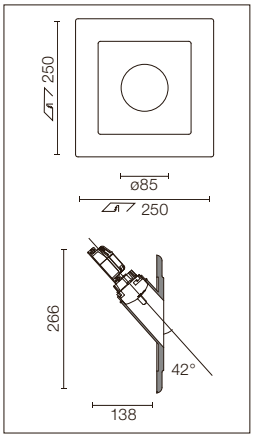
LED RGB
SA.1011.6E100

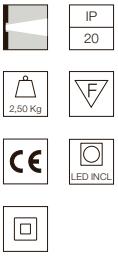
LED White
SA.1011.5E110

Round Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

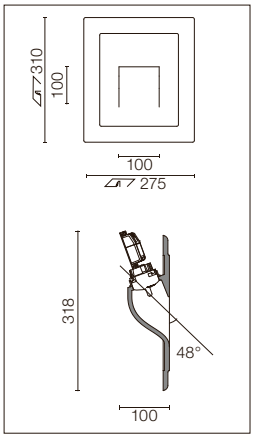
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

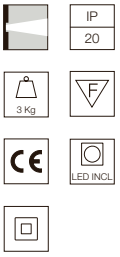
SA.3010.1C

Square Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

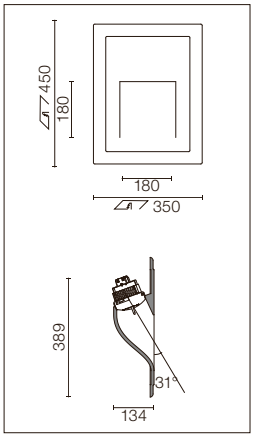
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

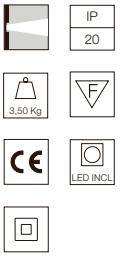
SA.3013.1C

Square Light Large Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 80







Recessed sign luminaire for indoor application. 100/240V power supply source included.

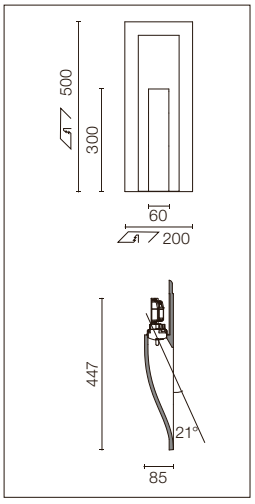
Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

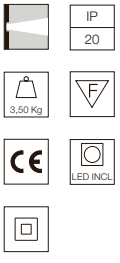
SA.3014.1B

Vertical Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

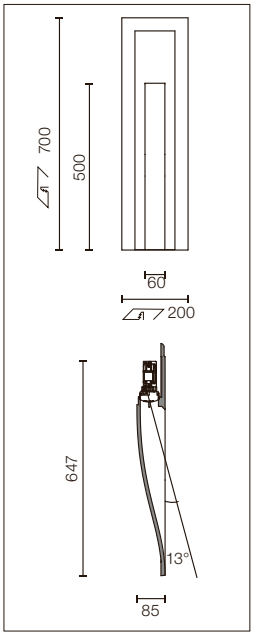
SA.3015.1C

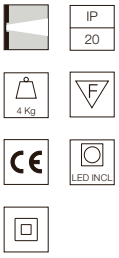
SOFT ARCHITECTURE | IN

Vertical Light Large Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90







Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3016.1C

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Wiring
Cableado

500mm feed cable with fast connection.
Electronic power supply not included.

Cable de alimentación de 500 mm con conexión rápida.
Fuente de alimentación electrónica no incluida.

White	06.1016.00
RGB	06.1049.00

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.

White	08.8297.00
RGB	08.8298.00

Dimmable Interface
Interfaz Regulable

1-10V Master & PWM Repeater

Dimmable interface. Electronic power supply not included.

Interfaz regulable. Fuente de alimentación electrónica no incluida.

White	06.1022.00E

DALI Master

DALI Master interface with one 300mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DALI con un cable de alimentación de 300mm para una fácil conexión.Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White	06.1019.00E
RGB	06.1012.00E

DMX Master

DMX Master interface with one 300mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz DMX maestra con un cable de alimentación de 300 mm para una conexión sencilla. Puede controlar un USO. Si hay varios USO en la misma instalación, será necesario ampliar la señal con interfaces esclavas. Fuente de alimentación electrónica no incluida.

RGB	06.1005.00E

RF Master

Radio Frequency (RF) RGB Master interface with one 300mm feed cable for easy connection. Wall transmitter to make color changing integrated. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz Radio Frequency (RF) RGB maestra con un cable de alimentación de 300 mm para una conexión sencilla. Transmisor de pared para hacer que el cambio de color sea integrado. Puede controlar un USO. Si hay varios USO en la misma instalación, será necesario ampliar la señal con interfaces esclavas. Fuente de alimentación electrónica no incluida.

RGB	06.1013.00E

DALI, DMX & RF. Slave

Slave interface to expand the control signal. It's able to expand the Master signal in several USOs.
Electronic power supply not included.

Interfaz esclava para ampliar la señal de control. Permite ampliar la señal de la interfaz maestra a varios USO. Fuente de alimentación electrónica no incluida.

White	06.1020.00E
RGB	06.1014.00E

Casambi

Wireless Dimmable Interface. Electronic power supply not included. Interfaz Regulable Wireless.

Interfaz regulable inalámbrica Fuente de alimentación electrónica no incluida. Interfaz regulable inalámbrica

White & RGB	60.9658

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Power Suply
Fuente de alimentación

Electronic 100W / Electrónica 100W
LED Power supply 100W – 24V. 100-240V, 50-60Hz.

Fuente de alimentación LED 100 W – 24 V. 100-240 V, 50-60 Hz. 60.9443

Electronic 200W / Electrónica 200W
LED Power supply. 200W – 24V. 100-240V, 50-60Hz.

Fuente de alimentación LED. 200 W – 24 V. 100-240 V, 50-60 Hz. 60.9352

Electronic 240W / Electrónica 240W
LED Power supply. 240W – 24V. 100-240V, 50-60Hz.

Fuente de alimentación LED. 240 W – 24 V. 100-240 V, 50-60 Hz. 60.8268

USO Cove Lighting

Configuration Guidelines. Single Individual Product.
Requisitos de configuración Una sola unidad.

For multiple product or a more complex configuration, please consult the technical department. For more detailed information, please refer to the instruction sheet.
Para varias unidades o una configuración más compleja, por favor contacte con el departamento técnico. Para obtener información más detallada, por favor consulte la hoja de instrucciones.

REFERENCE	POWER (W)	LED MODULES	POWER SUPPLY 24Vdc	Max. Distance			LED WHITE				RGB			
				PS-⊘	M-S	⊘-▭▭▭	NO DIM	1-10V	DALI	CASAMBI	DALI	DMX	RF	CASAMBI
							(12 LED modules x feed cable)	(8 LED modules x feed cable)		(10 LED modules x feed cable)	(12 LED modules x feed cable)*			(12 LED modules x feed cable)
USO 100 50 Cove Lighting WHT: SA.1010.5E110 RGB: SA.1010.6E100	58	12 + 4 for corners (16)	1x 100W 60.9443	15m (0,75mm)	20m	20m	2x 06.1016.00 FEED CABLE	2x 06.1016.00 FEED CABLE + 1x 06.1022.00E MASTER 1-10V	2x 06.1016.00 FEED CABLE + 1 x 06.1022.00E REPEATER PWM + 1x 06.1019.00E DALI MASTER	2x 06.1016.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER	2x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER
USO 140 90 Cove Lighting WHT: SA.1011.5E110 RGB: SA.1011.6E100 USO 900 Cove Lighting WHT: SA.1006.5E110 RGB: SA.1006.6E100	76	17 + 4 for corners (21)	1x 100W 60.9443	15m (0,75mm)	20m	20m	2x 06.1016.00 FEED CABLE	3x 06.1016.00 FEED CABLE + 1x 06.1022.00E MASTER 1-10V	3x 06.1016.00 FEED CABLE + 1 x 06.1022.00E REPEATER PWM + 1x 06.1019.00E DALI MASTER + 1 x 08.8297.00 2m CABLE WHT	3x 06.1016.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER + 1 x 08.8297.00 2m CABLE WHT	2x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 1x 06.1014.00E SLAVE RGB	2x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 1x 06.1014.00E SLAVE RGB	3x 06.1049.00 FEED CABLE + 1 x 60.9658 CASAMBI 4CH PWM DIMMER + 1 x 08.8297.00 2m CABLE WHT
USO 1700 Cove Lighting WHT: SA.1007.5E110 RGB: SA.1007.6E100	137	30 + 8 for corners (38)	1x 200W 60.9352	40m (1 mm)	20m	20m	4x 06.1016.00 FEED CABLE	6x 06.1016.00 FEED CABLE + 2 x 06.1022.00E MASTER 1-10V + 4 x 08.8297.00 2m CABLE	6x 06.1016.00 FEED CABLE + 1x 06.1019.00E DALI MASTER + 1x 06.1020.00E SLAVE WHT + 2x 06.1022.00E REPEATER PWM + 6 x 08.8297.00 2m CABLE WHT	4x 06.1016.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 6 x 08.8297.00 2m CABLE WHT	4x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	3x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	3x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 2x 06.1014.00E* SLAVE RGB + 6 x 08.8298.00 2m CABLE RGB	4x 06.1049.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 6 x 08.8297.00 2m CABLE WHT
USO 2200 Cove Lighting WHT: SA.1008.5E110 RGB: SA.1008.6E100	180	38 + 12 for corners (50)	1x 240W 60.8268	40m (1 mm)	20m	20m	5x 06.1016.00 FEED CABLE	8x 06.1016.00 FEED CABLE + 2x 06.1022.00E MASTER 1-10V + 6 x 08.8297.00 2m CABLE	8x 06.1016.00 FEED CABLE + 1x 06.1019.00E DALI MASTER + 1x 06.1020.00E SLAVE WHT + 2x 06.1022.00E REPEATER PWM + 8 x 08.8297.00 2m CABLE WHT	6x 06.1016.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 4 x 08.8297.00 2m CABLE WHT	5x 06.1049.00 FEED CABLE + 1x 06.1012.00E MASTER DALI + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	5x 06.1049.00 FEED CABLE + 1x 06.1005.00E MASTER DMX + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	5x 06.1049.00 FEED CABLE + 1x 06.1013.00E MASTER RF + 2x 06.1014.00E* SLAVE RGB + 8 x 08.8298.00 2m CABLE RGB	6x 06.1049.00 FEED CABLE + 2 x 60.9658 CASAMBI 4CH PWM DIMMER + 4 x 08.8297.00 2m CABLE WHT
USO 2500 Cove Lighting WHT: SA.1009.5E110 RGB: SA.1009.6E100	194	42 + 12 for corners (54)	1x 240W 60.8268	40m (1 mm)	20m	20m								
* For USO 2500 Cove Lighting RGB - 1st Slave: 12 + 12 LED modules 2nd Slave: 10 + 10 +10 LED modules														
Note: WHITE: Max. 8 modules per cable RGB: Max. 12 modules per cable. Max. 30 Modules per Slave CASAMBI : Max. 32 modules WHITE or 36 modules RGB per interface														

PHYSICAL CHARACTERISTICS

Water Penetration
The material shall be suitable for all internal application, and shall not absorb moisture which may be present through excessive humidity. The material should not be used externally.

Reaction to Fire test for building products
The product Soft Architecture is classified as A1 or A1fl, according to UNE-EN 13501-1: 07, and test methods UNE-EN ISO 1716:02 and UNE-EN ISO 1182:02.

Chemical Resistance
The material shall not be exposed to liquid chemicals or deliquesced crystals.

Thermal Insulation
The material shall have a thermal conductivity value not greater than 0.47W/m. deg K.

Density
The material have a medium density of 1323 Kg/m3.

Structural Characteristics
The material shall have the following characteristics (following EN 13279-2:2006).
Flexion max load: 139N at 7.2mm thickness.
Compression: compression max load shall be bigger than 10000N.
Hardness: Shore C hardness shall be above 90.

CARACTERÍSTICAS FÍSICAS

Infiltración de Agua
El material es adecuado para todas las aplicaciones internas y no absorberá el vapor que se produzca por la excesiva humedad. El material no puede ser usado externamente.

Prueba de resistencia al Fuego para productos de construcción
El producto Soft Architecture está clasificado como A1 o A1fl, conforme a las normas UNE-EN 13501-1: 07, y los métodos de prueba UNE-EN ISO 1716:02 y UNE-EN ISO 1182:02.

Resistencia Química
El material no será expuesto a productos químicos líquidos ó cristales delicados.

Aislamiento Térmico
El material tiene un valor de conductividad térmica no superior a 0,47W/m2. deg K.

Densidad
El material tiene una densidad media de 1,65Kg/l.

Características Estructurales
El material tiene las siguientes características (según la norma EN 13279-2:2006).
Desviación máxima de carga: 139N a 7,2mm de espesor.
Compresión: la carga máxima de compresión es superior a 10000N.
Dureza: la dureza Shore C-80.

FEATURES OF MATERIALS

Water Eco Efficiency
Clean water from drinking network is used in correct proportion to provide optimum workability. Water is cyclically re-used through special filters to prevent ecologic damages to nature before disposal.

Mould Release Agents
Propietary mould release agents are incorporated or applied externally to the mould surface, to optimize cycle time and to achieve consistency of surface finish. These agents shall not have any adverse effect upon the surface of the produced item.

CARACTERÍSTICAS DE LOS MATERIALES

Eco Rendimiento del Agua
El agua potable se utiliza en la proporción correcta para ofrecer una óptima utilidad. El agua es reutilizada cíclicamente a través de filtros especiales que previenen daños ecológicos antes de ser reutilizada en el medio ambiente.

Productos de desmolde
Productos de desmolde patentados son incorporados o aplicados externamente a la superficie del molde, para optimizar el tiempo del ciclo y añadir consistencia al acabado. Estos productos no tienen ningún efecto adverso en la superficie de los productos fabricados.

DESIGN & MANUFACTURING

Design
Latest 3D technology has been applied to develop all components. They are being manufactured and designed in accordance with a fully documented quality assurance system complying with ISO 9001:2008.

DISEÑO & FABRICACIÓN

Diseño
Se ha aplicado la última tecnología 3D para desarrollar todos los componentes. Han sido fabricados y diseñados de acuerdo con un sistema de garantía de calidad totalmente documentado cumpliendo con la norma ISO 9001:2008.

QUALITY CONTROL

General
All components are individually inspected to prevent surface or manufacturing defects.
Normative: UNE-EN 13815: 06; UNE-EN 14246: 07.

Squareness
All components are individually inspected to prevent manufacturing defects bigger than 0.5mm to 500mm from corner.

Flatness
All components are individually inspected to prevent flatness manufacturing defects bigger than 1mm in 1m.

Thickness
All components for continuous ceilings are individually inspected to prevent changes bigger than 2mm in mean target thickness.

Dimensional Tolerance
All components are individually inspected to prevent dimensional tolerance above +/- 3mm.
For more info see www.soft-architecture.com.

Eflorescence
All components with illuminated/visible surface are individually inspected to prevent light eflorescence .

Handmade
This product has been manufactured by hand. Any imperfection is because of its handcrafted process.

CONTROL DE CALIDAD

General
Todos los componentes son inspeccionados individualmente para prevenir defectos superficiales o de fabricación.
Normativa: UNE-EN 13815: 06; UNE-EN 14246: 07.

Área
Todos los componentes son inspeccionados individualmente para prevenir defectos de fabricación mayores de 0,5mm a 500mm desde el ángulo.

Uniformidad
Todos los componentes son inspeccionados individualmente para prevenir defectos de uniformidad de fabricación mayores de 1mm en 1m.

Espesor
Todos los componentes para techos continuos son individualmente inspeccionados para prevenir cambios superiores a 2mm de promedio como objetivo de espesor.

Tolerancia Dimensional
Todos los componentes son inspeccionados individualmente para prevenir la tolerancia dimensional por encima de +/- 3mm.
Más información en www.soft-architecture.com.

Eflorescencia
Todos los componentes con la superficie iluminada/visible son inspeccionados individualmente para prevenir la eflorescencia.

Hecho a mano
Este producto ha sido fabricado a mano. Cualquier posible imperfección es debida a su proceso de fabricación artesanal.

1-10V
1-10 V is one of the earliest and simplest electronic lighting control. The control signal is a DC voltage that varies between one and ten volts. The controlled lighting should scale its output so that at 10 V, the controlled light should be at 100% of its potential output, and at 1 V it should at 0% output (i.e. “Off”).

1-10V
1-10V es uno de los primeros y más simples controles de iluminación electrónica. La señal de control es una tensión de corriente continua que varía entre uno y diez voltios. La iluminación controlada debería aumentar su producción de manera que a 10 V. la luz controlada estaría al 100% de su potencial producción , y a 1 V. estaría al 0% de su producción (es decir “apagada”).

CRI
The color rendering index (CRI) is a quantitative measure of the ability of a light source to reproduce the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications.

CRI
El índice de reproducción cromática (IRC) es una medida cuantitativa de la capacidad de una fuente de luz para reproducir fielmente los colores de varios objetos en comparación con una fuente de luz ideal o natural. Las fuentes de luz con un alto IRC son aconsejables en aplicaciones de color críticas.

DALI
Digital Addressable Lighting Interface (DALI) is a technical standard for network-based systems that control lighting in buildings. The DALI standard encompasses the communications protocol and electrical interface for lighting control networks.

DALI
Interfaz Digital de Iluminación Direccionable (DALI) es un estándar técnico para sistemas basados en la red que controlan la iluminación en los edificios. El estándar DALI abarca el protocolo de comunicaciones y la interfaz eléctrica para las redes de control de iluminación.

DIMMER
Dimmers are devices used to vary the brightness of a light.

DIMMER (REGULADOR DE VOLTAJE)
Los Dimmers son dispositivos utilizados para variar la intensidad de la luz.

DMX
DMX is a standard for digital communication networks that are commonly used to control stage lighting. Allows to program the colour regulation and variation for RGB.

DMX
DMX es un estándar para redes de comunicación digital que son comúnmente utilizadas para controlar la iluminación de escenario. Permite programar la regulación de color y variación para RGB.

KELVIN
The kelvin is used in the measure of the color temperature of light sources. Color temperature is a characteristic of visible light that has important applications in lighting because indicates if the light is warm (low color temperatures) or cold (high color temperatures).

KELVIN
El kelvin se utiliza para medir la temperatura del color de fuentes de iluminación. La temperatura del color es una característica de la luz visible que tiene importantes aplicaciones en iluminación porque indica si la luz es cálida (temperaturas de color bajas) o fría (temperaturas de color altas).

LUMEN
The lumen (symbol: lm) is the SI unit of luminous flux, a measure of the power of light perceived by the human eye.

LUMEN
El lumen (símbolo: lm) es la unidad SI de flujo luminoso, una medida de la potencia de la luz percibida por el ojo humano.

MASTER INTERFACE
The master interface it is an electronic device which receives the signal (DALI/DMX/…) and returns a modulated signal for the LED. It’s able to control the light with a maximum power load.

INTERFAZ MASTER
La interfaz Master es un dispositivo electrónico que recibe la señal (DALI/DMX/…) y devuelve una señal modulada para el LED. Es posible controlar la luz con una potencia máxima de carga.

POWER SUPPLY
A power supply is a device that supplies electrical energy to one or more electric loads.

UNIDAD DE ALIMENTACIÓN
Una unidad de alimentación es un dispositivo que suministra energía eléctrica a una o más cargas eléctricas.

RGB
The RGB color model is an additive color model in which red, green, and blue light are added together in various ways to reproduce a broad array of colors. The name of the model comes from the initials of the three additive primary colors, red, green, and blue.

RGB
El modelo a color RGB es un modelo a color añadido donde la luz roja, verde y azul son mezcladas juntas de varias formas para reproducir una amplia gama de colores. El nombre del modelo se da por las iniciales de los tres colores primarios, rojo, verde y azul.

SLAVE INTERFACE
The slave interface is used to reply the modulated signal of the master interface in installations where the master is overloaded.

INTERFAZ SLAVE
La interfaz slave se utiliza para responder a la señal modulada de la interfaz Master en instalaciones donde la interfaz Master está sobrecargada.

Note: Technical data are subject to changes without any previous notice. Information is consistent with our current production conditions and reflects typical values relating to manufacturing specification parameters and for typical end uses. We accept no liability or responsibility for any damage caused by products incorrectly applied in non typical end uses.

Nota: Los datos técnicos están sujetos a cambios sin previo aviso. La información es consecuente con nuestras condiciones actuales de producción y refleja los valores típicos relativos a los parámetros específicos de fabricación y para los USOs para los que fueron creados. La empresa se exime expresamente de toda responsabilidad por cualquier daño causado por productos aplicados de modo incorrecto o no utilizados con la típica finalidad para lo que fueron creados.

QUICK SEARCH OF PRODUCT

Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.0700.14A	614	03.0723.TKA	617	03.0805.14A	620	03.1237.ERB	679	03.2003.14A	587	03.2251.40	134
03.0700.14ANT	614	03.0730.14A	618	03.0805.40A	620	03.1237.ESB	679	03.2003.14ADA	587	03.2252.14	134
03.0700.40A	614	03.0730.40A	618	03.1200.DR	675	03.1238.DRB	679	03.2003.CUA	587	03.2252.40	134
03.0700.40ANT	614	03.0730.CEA	618	03.1200.DY	675	03.1238.DYB	679	03.2003.CUADA	587	03.2253.14	134
03.0701.14A	614	03.0730.TKA	618	03.1200.EQ	675	03.1238.EQB	679	03.2005.01A	588	03.2253.40	134
03.0701.14ANT	614	03.0731.14A	618	03.1200.ER	675	03.1238.ERB	679	03.2005.01ADA	588	03.2255.14	134
03.0701.40A	614	03.0731.40A	618	03.1200.ES	675	03.1238.ESB	679	03.2005.14A	588	03.2255.40	134
03.0701.40ANT	614	03.0731.CEA	618	03.1201.DR	675	03.1240.DRB	680	03.2005.14ADA	588	03.2256.14	134
03.0702.14A	615	03.0731.TKA	618	03.1201.DY	675	03.1240.DYB	680	03.2005.CUA	588	03.2256.40	134
03.0702.14ANT	615	03.0732.14A	618	03.1201.EQ	675	03.1240.EQB	680	03.2005.CUADA	588	03.2257.14	134
03.0702.40A	615	03.0732.40A	618	03.1201.ER	675	03.1240.ERB	680	03.2006.01B	587	03.2257.40	134
03.0702.40ANT	615	03.0732.CEA	618	03.1201.ES	675	03.1240.ESB	680	03.2006.01BDA	587	03.2258.14	134
03.0703.14A	615	03.0732.TKA	618	03.1205.DR	675	03.1241.DRB	680	03.2006.14B	587	03.2258.40	134
03.0703.14ANT	615	03.0733.14A	618	03.1205.DY	675	03.1241.DYB	680	03.2006.14BDA	587	03.2260.14	128
03.0703.40A	615	03.0733.40A	618	03.1205.EQ	675	03.1241.EQB	680	03.2006.CUB	587	03.2261.14	128
03.0703.40ANT	615	03.0733.CEA	618	03.1205.ER	675	03.1241.ERB	680	03.2006.CUBDA	587	03.2262.14	128
03.0704.14A	614	03.0733.TKA	618	03.1205.ES	675	03.1241.ESB	680	03.2007.01A	587	03.2263.14	128
03.0704.14ANT	614	03.0734.14A	618	03.1206.DR	675	03.1242.DRB	680	03.2007.01ADA	587	03.2264.14	128
03.0704.40A	614	03.0734.40A	618	03.1206.DY	675	03.1242.DYB	680	03.2007.14A	587	03.2265.14	128
03.0704.40ANT	614	03.0734.CEA	618	03.1206.EQ	675	03.1242.EQB	680	03.2007.14ADA	587	03.2266.14	128
03.0705.14A	614	03.0734.TKA	618	03.1206.ER	675	03.1242.ERB	680	03.2007.CUA	587	03.2267.14	128
03.0705.14ANT	614	03.0735.14A	618	03.1206.ES	675	03.1242.ESB	680	03.2007.CUADA	587	03.2268.14	128
03.0705.40A	614	03.0735.40A	618	03.1210.DR	676	03.1243.DRB	680	03.2008.01A	588	03.2269.14	128
03.0705.40ANT	614	03.0735.CEA	618	03.1210.DY	676	03.1243.DYB	680	03.2008.01ADA	588	03.2270.14	128
03.0706.14A	615	03.0735.TKA	618	03.1210.EQ	676	03.1243.EQB	680	03.2008.14A	588	03.2271.14	128
03.0706.14ANT	615	03.0740.14	620	03.1210.ER	676	03.1243.ERB	680	03.2008.14ADA	588	03.2272.14	128
03.0706.40A	615	03.0740.40	620	03.1210.ES	676	03.1243.ESB	680	03.2008.CUA	588	03.2273.14	128
03.0706.40ANT	615	03.0741.14	620	03.1211.DR	676	03.1245.DRB	680	03.2008.CUADA	588	03.2274.14	128
03.0707.14A	615	03.0741.40	620	03.1211.DY	676	03.1245.DYB	680	03.2210.14A	130	03.2275.14	128
03.0707.14ANT	615	03.0742.14	620	03.1211.EQ	676	03.1245.EQB	680	03.2210.40A	130	03.2280.14	129
03.0707.40A	615	03.0742.40	620	03.1211.ER	676	03.1245.ERB	680	03.2211.14A	130	03.2281.14	129
03.0707.40ANT	615	03.0743.14	620	03.1211.ES	676	03.1245.ESB	680	03.2211.40A	130	03.2282.14	129
03.0708.14A	614	03.0743.40	620	03.1215.DR	676	03.1246.DRB	680	03.2212.14A	130	03.2283.14	129
03.0708.14ANT	614	03.0744.14	620	03.1215.DY	676	03.1246.DYB	680	03.2212.40A	130	03.2284.14	129
03.0708.40A	614	03.0744.40	620	03.1215.EQ	676	03.1246.EQB	680	03.2213.14A	130	03.2285.14	129
03.0708.40ANT	614	03.0745.14	620	03.1215.ER	676	03.1246.ERB	680	03.2213.40A	130	03.2286.14	129
03.0709.14A	614	03.0745.40	620	03.1215.ES	676	03.1246.ESB	680	03.2215.14A	130	03.2287.14	129
03.0709.14ANT	614	03.0760.14A	617	03.1216.DR	676	03.1247.DRB	680	03.2215.40A	130	03.2288.14	129
03.0709.40A	614	03.0760.40A	617	03.1216.DY	676	03.1247.DYB	680	03.2216.14A	130	03.2289.14	129
03.0709.40ANT	614	03.0760.CEA	617	03.1216.EQ	676	03.1247.EQB	680	03.2216.40A	130	03.2290.14	129
03.0710.14A	615	03.0760.TKA	617	03.1216.ER	676	03.1247.ERB	680	03.2217.14A	130	03.2291.14	129
03.0710.14ANT	615	03.0761.14A	617	03.1216.ES	676	03.1247.ESB	680	03.2217.40A	130	03.2292.14	129
03.0710.40A	615	03.0761.40A	617	03.1220.DR	674	03.1248.DRB	680	03.2218.14A	130	03.2293.14	129
03.0710.40ANT	615	03.0761.CEA	617	03.1220.DY	674	03.1248.DYB	680	03.2218.40A	130	03.2294.14	129
03.0711.14A	615	03.0761.TKA	617	03.1220.EQ	674	03.1248.EQB	680	03.2220.14A	131	03.2295.14	129
03.0711.14ANT	615	03.0762.14A	617	03.1220.ER	674	03.1248.ERB	680	03.2220.40A	131	03.2300.14A	131
03.0711.40A	615	03.0762.40A	617	03.1220.ES	674	03.1248.ESB	680	03.2221.14A	131	03.2300.40A	131
03.0711.40ANT	615	03.0762.CEA	617	03.1221.DR	674	03.1250.DRB	678	03.2221.40A	131	03.2301.14A	131
03.0712.14A	616	03.0762.TKA	617	03.1221.DY	674	03.1250.DYB	678	03.2222.14A	131	03.2301.40A	131
03.0712.14ANT	616	03.0763.14A	617	03.1221.EQ	674	03.1250.EQB	678	03.2222.40A	131	03.2302.14A	131
03.0712.40A	616	03.0763.40A	617	03.1221.ER	674	03.1250.ERB	678	03.2223.14A	131	03.2302.40A	131
03.0712.40ANT	616	03.0763.CEA	617	03.1221.ES	674	03.1250.ESB	678	03.2223.40A	131	03.2303.14A	131
03.0713.14A	616	03.0763.TKA	617	03.1225.DR	674	03.1251.DRB	678	03.2225.14A	131	03.2303.40A	131
03.0713.14ANT	616	03.0764.14A	617	03.1225.DY	674	03.1251.DYB	678	03.2225.40A	131	03.2320.14	136
03.0713.40A	616	03.0764.40A	617	03.1225.EQ	674	03.1251.EQB	678	03.2226.14A	131	03.2320.40	136
03.0713.40ANT	616	03.0764.CEA	617	03.1225.ER	674	03.1251.ERB	678	03.2226.40A	131	03.2321.14	136
03.0714.14A	616	03.0764.TKA	617	03.1225.ES	674	03.1251.ESB	678	03.2227.14A	131	03.2321.40	136
03.0714.14ANT	616	03.0765.14A	617	03.1226.DR	674	03.1252.DRB	678	03.2227.40A	131	03.2322.14	136
03.0714.40A	616	03.0765.40A	617	03.1226.DY	674	03.1252.DYB	678	03.2228.14A	131	03.2322.40	136
03.0714.40ANT	616	03.0765.CEA	617	03.1226.EQ	674	03.1252.EQB	678	03.2228.40A	131	03.2323.14	136
03.0715.14A	616	03.0765.TKA	617	03.1226.ER	674	03.1252.ERB	678	03.2230.14A	132	03.2323.40	136
03.0715.14ANT	616	03.0770.14A	618	03.1226.ES	674	03.1252.ESB	678	03.2230.40A	132	03.2330.14	137
03.0715.40A	616	03.0770.40A	618	03.1230.DRB	679	03.1253.DRB	678	03.2231.14A	132	03.2330.40	137
03.0715.40ANT	616	03.0770.CEA	618	03.1230.DYB	679	03.1253.DYB	678	03.2231.40A	132	03.2331.14	137
03.0716.14A	616	03.0770.TKA	618	03.1230.EQB	679	03.1253.EQB	678	03.2232.14A	132	03.2331.40	137
03.0716.14ANT	616	03.0771.14A	618	03.1230.ERB	679	03.1253.ERB	678	03.2232.40A	132	03.2332.14	137
03.0716.40A	616	03.0771.40A	618	03.1230.ESB	679	03.1253.ESB	678	03.2233.14A	132	03.2332.40	137
03.0716.40ANT	616	03.0771.CEA	618	03.1231.DRB	679	03.1255.DRB	678	03.2233.40A	132	03.2333.14	137
03.0717.14A	616	03.0771.TKA	618	03.1231.DYB	679	03.1255.DYB	678	03.2235.14A	132	03.2333.40	137
03.0717.14ANT	616	03.0772.14A	618	03.1231.EQB	679	03.1255.EQB	678	03.2235.40A	132	03.3902.30E	518
03.0717.40A	616	03.0772.40A	618	03.1231.ERB	679	03.1255.ERB	678	03.2236.14A	132	03.3903.30E	518
03.0717.40ANT	616	03.0772.CEA	618	03.1231.ESB	679	03.1255.ESB	678	03.2236.40A	132	03.3904.30E	518
03.0718.14A	617	03.0772.TKA	618	03.1232.DRB	679	03.1256.DRB	678	03.2237.14A	132	03.3922.30E	518
03.0718.40A	617	03.0773.14A	618	03.1232.DYB	679	03.1256.DYB	678	03.2237.40A	132	03.3923.30E	518
03.0718.CEA	617	03.0773.40A	618	03.1232.EQB	679	03.1256.EQB	678	03.2238.14A	132	03.3924.30E	518
03.0718.TKA	617	03.0773.CEA	618	03.1232.ERB	679	03.1256.ERB	678	03.2238.40A	132	03.4153.74	567
03.0719.14A	617	03.0773.TKA	618	03.1232.ESB	679	03.1256.ESB	678	03.2240.14	134	03.4153.B1	567
03.0719.40A	617	03.0774.14A	618	03.1233.DRB	679	03.1257.DRB	678	03.2240.40	134	03.4153.EQ	567
03.0719.CEA	617	03.0774.40A	618	03.1233.DYB	679	03.1257.DYB	678	03.2241.14	134	03.4153.GL	567
03.0719.TKA	617	03.0774.CEA	618	03.1233.EQB	679	03.1257.EQB	678	03.2241.40	134	03.4155.74	567
03.0720.14A	617	03.0774.TKA	618	03.1233.ERB	679	03.1257.ERB	678	03.2242.14	134	03.4155.B1	567
03.0720.40A	617	03.0775.14A	618	03.1233.ESB	679	03.1257.ESB	678	03.2242.40	134	03.4155.EQ	567
03.0720.CEA	617	03.0775.40A	618	03.1235.DRB	679	03.1258.DRB	678	03.2243.14	134	03.4155.GL	567
03.0720.TKA	617	03.0775.CEA	618	03.1235.DYB	679	03.1258.DYB	678	03.2243.40	134	03.4157.74	567
03.0721.14A	617	03.0775.TKA	618	03.1235.EQB	679	03.1258.EQB	678	03.2245.14	134	03.4157.B1	567
03.0721.40A	617	03.0800.14A	620	03.1235.ERB	679	03.1258.ERB	678	03.2245.40	134	03.4157.EQ	567
03.0721.CEA	617	03.0800.40A	620	03.1235.ESB	679	03.1258.ESB	678	03.2246.14	134	03.4157.GL	567
03.0721.TKA	617	03.0801.14A	620	03.1236.DRB	679	03.2001.01B	587	03.2246.40	134	03.4160.74	573
03.0722.14A	617	03.0801.40A	620	03.1236.DYB	679	03.2001.01BDA	587	03.2247.14	134	03.4160.B1	573
03.0722.40A	617	03.0802.14A	620	03.1236.EQB	679	03.2001.14B	587	03.2247.40	134	03.4160.EQ	573
03.0722.CEA	617	03.0802.40A	620	03.1236.ERB	679	03.2001.14BDA	587	03.2248.14	134	03.4160.GL	573
03.0722.TKA	617	03.0803.14A	620	03.1236.ESB	679	03.2001.CUB	587	03.2248.40	134	03.4162.74	573
03.0723.14A	617	03.0803.40A	620	03.1237.DRB	679	03.2001.CUBDA	587	03.2250.14	134	03.4162.B1	573
03.0723.40A	617	03.0804.14A	620	03.1237.DYB	679	03.2003.01A	587	03.2250.40	134	03.4162.EQ	573
03.0723.CEA	617	03.0804.40A	620	03.1237.EQB	679	03.2003.01ADA	587	03.2251.14	134	03.4162.GL	573

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.4170.74	567	03.4187.GL	537	03.4210.EQ	566	03.4293.EQ.LE	572	03.4538.74	534	03.5734.ANB	694
03.4170.74.LE	569	03.4188.74	541	03.4210.GL	566	03.4293.GL	570	03.4538.74.LE	536	03.5734.ASB	694
03.4170.B1	567	03.4188.74.LE	542	03.4211.74	566	03.4293.GL.LE	572	03.4538.B1	534	03.5734.B3B	694
03.4170.B1.LE	569	03.4188.B1	541	03.4211.B1	566	03.4294.74	570	03.4538.B1.LE	536	03.5810.11B	695
03.4170.EQ	567	03.4188.B1.LE	542	03.4211.EQ	566	03.4294.B1	570	03.4538.EQ	534	03.5810.ANB	695
03.4170.EQ.LE	569	03.4188.EQ	541	03.4211.GL	566	03.4294.EQ	570	03.4538.EQ.LE	536	03.5810.ASB	695
03.4170.GL	567	03.4188.EQ.LE	542	03.4212.74	573	03.4294.GL	570	03.4538.GL	534	03.5810.B3B	695
03.4170.GL.LE	569	03.4188.GL	541	03.4212.B1	573	03.4295.74	570	03.4538.GL.LE	536	03.5811.11B	695
03.4171.74	567	03.4188.GL.LE	542	03.4212.EQ	573	03.4295.74.LE	572	03.4539.74	534	03.5811.ANB	695
03.4171.74.LE	569	03.4189.74	541	03.4212.GL	573	03.4295.B1	570	03.4539.B1	534	03.5811.ASB	695
03.4171.B1	567	03.4189.B1	541	03.4213.74	573	03.4295.B1.LE	572	03.4539.EQ	534	03.5811.B3B	695
03.4171.B1.LE	569	03.4189.EQ	541	03.4213.B1	573	03.4295.EQ	570	03.4539.GL	534	03.5813.11B	695
03.4171.EQ	567	03.4189.GL	541	03.4213.EQ	573	03.4295.EQ.LE	572	03.4540.74	534	03.5813.ANB	695
03.4171.EQ.LE	569	03.4190.74	543	03.4213.GL	573	03.4295.GL	570	03.4540.74.LE	536	03.5813.ASB	695
03.4171.GL	567	03.4190.74.LE	544	03.4218.74	578	03.4295.GL.LE	572	03.4540.B1	534	03.5813.B3B	695
03.4171.GL.LE	569	03.4190.B1	543	03.4218.B1	578	03.4296.74	570	03.4540.B1.LE	536	03.5814.11B	695
03.4172.74	567	03.4190.B1.LE	544	03.4218.EQ	578	03.4296.B1	570	03.4540.EQ	534	03.5814.ANB	695
03.4172.74.LE	569	03.4190.EQ	543	03.4218.GL	578	03.4296.EQ	570	03.4540.EQ.LE	536	03.5814.ASB	695
03.4172.B1	567	03.4190.EQ.LE	544	03.4219.74	578	03.4296.GL	570	03.4540.GL	534	03.5814.B3B	695
03.4172.B1.LE	569	03.4190.GL	543	03.4219.B1	578	03.4297.74	560	03.4540.GL.LE	536	03.5900.14	689
03.4172.EQ	567	03.4190.GL.LE	544	03.4219.EQ	578	03.4297.74.LE	562	03.4541.74	534	03.5900.18	689
03.4172.EQ.LE	569	03.4191.74	543	03.4219.GL	578	03.4297.B1	560	03.4541.B1	534	03.5900.B1	689
03.4172.GL	567	03.4191.B1	543	03.4220.74	578	03.4297.B1.LE	562	03.4541.EQ	534	03.5901.14	689
03.4172.GL.LE	569	03.4191.EQ	543	03.4220.B1	578	03.4297.EQ	560	03.4541.GL	534	03.5901.18	689
03.4176.74	563	03.4191.GL	543	03.4220.EQ	578	03.4297.EQ.LE	562	03.4542.74	537	03.5901.B1	689
03.4176.74.LE	565	03.4192.74	560	03.4220.GL	578	03.4297.GL	560	03.4542.74.LE	539	03.5903.14	689
03.4176.B1	563	03.4192.74.LE	562	03.4221.74	578	03.4297.GL.LE	562	03.4542.B1	537	03.5903.18	689
03.4176.B1.LE	565	03.4192.B1	560	03.4221.B1	578	03.4298.74	560	03.4542.B1.LE	539	03.5903.B1	689
03.4176.EQ	563	03.4192.B1.LE	562	03.4221.EQ	578	03.4298.B1	560	03.4542.EQ	537	03.5904.14	689
03.4176.EQ.LE	565	03.4192.EQ	560	03.4221.GL	578	03.4298.EQ	560	03.4542.EQ.LE	539	03.5904.18	689
03.4176.GL	563	03.4192.EQ.LE	562	03.4226.74	533	03.4298.GL	560	03.4542.GL	537	03.5904.B1	689
03.4176.GL.LE	565	03.4192.GL	560	03.4226.B1	533	03.4520.11B	694	03.4542.GL.LE	539	03.5905.14	689
03.4177.74	563	03.4192.GL.LE	562	03.4226.EQ	533	03.4520.ANB	694	03.4543.74	537	03.5905.18	689
03.4177.B1	563	03.4193.74	560	03.4226.GL	533	03.4520.ASB	694	03.4543.B1	537	03.5905.B1	689
03.4177.EQ	563	03.4193.B1	560	03.4227.74	533	03.4520.B3B	694	03.4543.EQ	537	03.5907.14	689
03.4177.GL	563	03.4193.EQ	560	03.4227.B1	533	03.4521.11B	694	03.4543.GL	537	03.5907.18	689
03.4178.74	563	03.4193.GL	560	03.4227.EQ	533	03.4521.ANB	694	03.4544.74	537	03.5907.B1	689
03.4178.74.LE	565	03.4194.74	563	03.4227.GL	533	03.4521.ASB	694	03.4544.74.LE	539	03.5908.14	689
03.4178.B1	563	03.4194.74.LE	565	03.4228.74	533	03.4521.B3B	694	03.4544.B1	537	03.5908.18	689
03.4178.B1.LE	565	03.4194.B1	563	03.4228.B1	533	03.4523.11B	694	03.4544.B1.LE	539	03.5908.B1	689
03.4178.EQ	563	03.4194.B1.LE	565	03.4228.EQ	533	03.4523.ANB	694	03.4544.EQ	537	03.5909.14	689
03.4178.EQ.LE	565	03.4194.EQ	563	03.4228.GL	533	03.4523.ASB	694	03.4544.EQ.LE	539	03.5909.18	689
03.4178.GL	563	03.4194.EQ.LE	565	03.4229.74	533	03.4523.B3B	694	03.4544.GL	537	03.5909.B1	689
03.4178.GL.LE	565	03.4194.GL	563	03.4229.B1	533	03.4524.11B	694	03.4544.GL.LE	539	03.5910.14	692
03.4179.74	563	03.4194.GL.LE	565	03.4229.EQ	533	03.4524.ANB	694	03.4545.74	537	03.5910.18	692
03.4179.B1	563	03.4195.74	563	03.4229.GL	533	03.4524.ASB	694	03.4545.B1	537	03.5910.B1	692
03.4179.EQ	563	03.4195.B1	563	03.4234.74	540	03.4524.B3B	694	03.4545.EQ	537	03.5911.14	692
03.4179.GL	563	03.4195.EQ	563	03.4234.B1	540	03.4530.74	527	03.4545.GL	537	03.5911.18	692
03.4180.74	527	03.4195.GL	563	03.4234.EQ	540	03.4530.74.LE	529	03.4572.74	547	03.5911.B1	692
03.4180.74.LE	529	03.4196.74	574	03.4234.GL	540	03.4530.B1	527	03.4572.B1	547	03.5913.14	692
03.4180.B1	527	03.4196.74.LE	575	03.4235.74	540	03.4530.B1.LE	529	03.4572.EQ	547	03.5913.18	692
03.4180.B1.LE	529	03.4196.B1	574	03.4235.B1	540	03.4530.EQ	527	03.4572.GL	547	03.5913.B1	692
03.4180.EQ	527	03.4196.B1.LE	575	03.4235.EQ	540	03.4530.EQ.LE	529	03.5330.29	250	03.5914.14	692
03.4180.EQ.LE	529	03.4196.EQ	574	03.4235.GL	540	03.4530.GL	527	03.5330.40	250	03.5914.18	692
03.4180.GL	527	03.4196.EQ.LE	575	03.4236.74	540	03.4530.GL.LE	529	03.5330.AN	250	03.5914.B1	692
03.4180.GL.LE	529	03.4196.GL	574	03.4236.B1	540	03.4531.74	527	03.5331.29	250	03.5915.14	692
03.4181.74	527	03.4196.GL.LE	575	03.4236.EQ	540	03.4531.B1	527	03.5331.40	250	03.5915.18	692
03.4181.B1	527	03.4197.74	574	03.4236.GL	540	03.4531.EQ	527	03.5331.AN	250	03.5915.B1	692
03.4181.EQ	527	03.4197.B1	574	03.4237.74	540	03.4531.GL	527	03.5332.29	250	03.5917.14	692
03.4181.GL	527	03.4197.EQ	574	03.4237.B1	540	03.4532.74	527	03.5332.40	250	03.5917.18	692
03.4182.74	530	03.4197.GL	574	03.4237.EQ	540	03.4532.74.LE	529	03.5332.AN	250	03.5917.B1	692
03.4182.74.LE	532	03.4198.74	576	03.4237.GL	540	03.4532.B1	527	03.5333.29	250	03.5918.14	692
03.4182.B1	530	03.4198.74.LE	577	03.4242.74	545	03.4532.B1.LE	529	03.5333.40	250	03.5918.18	692
03.4182.B1.LE	532	03.4198.B1	576	03.4242.B1	545	03.4532.EQ	527	03.5333.AN	250	03.5918.B1	692
03.4182.EQ	530	03.4198.B1.LE	577	03.4242.EQ	545	03.4532.EQ.LE	529	03.5334.29	250	03.5919.14	692
03.4182.EQ.LE	532	03.4198.EQ	576	03.4242.GL	545	03.4532.GL	527	03.5334.40	250	03.5919.18	692
03.4182.GL	530	03.4198.EQ.LE	577	03.4243.74	545	03.4532.GL.LE	529	03.5334.AN	250	03.5919.B1	692
03.4182.GL.LE	532	03.4198.GL	576	03.4243.B1	545	03.4533.74	527	03.5335.29	250	03.5920.14	688
03.4183.74	530	03.4198.GL.LE	577	03.4243.EQ	545	03.4533.B1	527	03.5335.40	250	03.5920.18	688
03.4183.B1	530	03.4199.74	576	03.4243.GL	545	03.4533.EQ	527	03.5335.AN	250	03.5920.B1	688
03.4183.EQ	530	03.4199.B1	576	03.4244.74	545	03.4533.GL	527	03.5336.29	250	03.5921.14	688
03.4183.GL	530	03.4199.EQ	576	03.4244.B1	545	03.4534.74	530	03.5336.40	250	03.5921.18	688
03.4184.74	534	03.4199.GL	576	03.4244.EQ	545	03.4534.74.LE	532	03.5336.AN	250	03.5921.B1	688
03.4184.74.LE	536	03.4200.74	570	03.4244.GL	545	03.4534.B1	530	03.5337.29	250	03.5923.14	688
03.4184.B1	534	03.4200.74.LE	572	03.4245.74	545	03.4534.B1.LE	532	03.5337.40	250	03.5923.18	688
03.4184.B1.LE	536	03.4200.B1	570	03.4245.B1	545	03.4534.EQ	530	03.5337.AN	250	03.5923.B1	688
03.4184.EQ	534	03.4200.B1.LE	572	03.4245.EQ	545	03.4534.EQ.LE	532	03.5338.29	250	03.5924.14	688
03.4184.EQ.LE	536	03.4200.EQ	570	03.4245.GL	545	03.4534.GL	530	03.5338.40	250	03.5924.18	688
03.4184.GL	534	03.4200.EQ.LE	572	03.4287.74	560	03.4534.GL.LE	532	03.5338.AN	250	03.5924.B1	688
03.4184.GL.LE	536	03.4200.GL	570	03.4287.74.LE	562	03.4535.74	530	03.5339.29	250	03.5925.14	688
03.4185.74	534	03.4200.GL.LE	572	03.4287.B1	560	03.4535.B1	530	03.5339.40	250	03.5925.18	688
03.4185.B1	534	03.4201.74	570	03.4287.B1.LE	562	03.4535.EQ	530	03.5339.AN	250	03.5925.B1	688
03.4185.EQ	534	03.4201.B1	570	03.4287.EQ	560	03.4535.GL	530	03.5730.11B	694	03.5927.14	688
03.4185.GL	534	03.4201.EQ	570	03.4287.EQ.LE	562	03.4536.74	530	03.5730.ANB	694	03.5927.18	688
03.4186.74	537	03.4201.GL	570	03.4287.GL	560	03.4536.74.LE	532	03.5730.ASB	694	03.5927.B1	688
03.4186.74.LE	539	03.4208.74	566	03.4287.GL.LE	562	03.4536.B1	530	03.5730.B3B	694	03.5928.14	688
03.4186.B1	537	03.4208.B1	566	03.4288.74	560	03.4536.B1.LE	532	03.5731.11B	694	03.5928.18	688
03.4186.B1.LE	539	03.4208.EQ	566	03.4288.B1	560	03.4536.EQ	530	03.5731.ANB	694	03.5928.B1	688
03.4186.EQ	537	03.4208.GL	566	03.4288.EQ	560	03.4536.EQ.LE	532	03.5731.ASB	694	03.5929.14	688
03.4186.EQ.LE	539	03.4209.74	566	03.4288.GL	560	03.4536.GL	530	03.5731.B3B	694	03.5929.18	688
03.4186.GL	537	03.4209.B1	566	03.4293.74	570	03.4536.GL.LE	532	03.5733.11B	694	03.5929.B1	688
03.4186.GL.LE	539	03.4209.EQ	566	03.4293.74.LE	572	03.4537.74	530	03.5733.ANB	694	03.5930.14	691
03.4187.74	537	03.4209.GL	566	03.4293.B1	570	03.4537.B1	530	03.5733.ASB	694	03.5930.18	691
03.4187.B1	537	03.4210.74	566	03.4293.B1.LE	572	03.4537.EQ	530	03.5733.B3B	694	03.5930.B1	691
03.4187.EQ	537	03.4210.B1	566	03.4293.EQ	570	03.4537.GL	530	03.5734.11B	694	03.5931.14	691

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03.5934.14	691	03.6007.18	689	03.6027.14ADA	688	03.6047.14	690	03.6272.06DCB	182	03.6801.14A	602
03.5934.18	691	03.6007.18ADA	689	03.6027.18	688	03.6047.14ADA	690	03.6272.06EDA	182	03.6801.14A1V	602
03.5934.B1	691	03.6007.B1	689	03.6027.18ADA	688	03.6047.18	690	03.6272.14D	182	03.6801.14BDA	602
03.5935.14	691	03.6007.B1ADA	689	03.6027.B1	688	03.6047.18ADA	690	03.6272.14DCB	182	03.6801.40A	602
03.5935.18	691	03.6008.14	689	03.6027.B1ADA	688	03.6047.B1	690	03.6272.14EDA	182	03.6801.40A1V	602
03.5935.B1	691	03.6008.14ADA	689	03.6028.14	688	03.6047.B1ADA	690	03.6272.30D	182	03.6801.40BDA	602
03.5937.14	691	03.6008.18	689	03.6028.14ADA	688	03.6048.14	690	03.6272.30DCB	182	03.6802.14A	602
03.5937.18	691	03.6008.18ADA	689	03.6028.18	688	03.6048.14ADA	690	03.6272.30EDA	182	03.6802.14A1V	602
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03.5938.18	691	03.6009.14	689	03.6028.B1ADA	688	03.6048.B1	690	03.6273.06EDA	182	03.6802.40A1V	602
03.5938.B1	691	03.6009.14ADA	689	03.6029.14	688	03.6048.B1ADA	690	03.6273.14D	182	03.6802.40BDA	602
03.5939.14	691	03.6009.18	689	03.6029.14ADA	688	03.6049.14	690	03.6273.14DCB	182	03.6803.14A	604
03.5939.18	691	03.6009.18ADA	689	03.6029.18	688	03.6049.14ADA	690	03.6273.14EDA	182	03.6803.14A1V	604
03.5939.B1	691	03.6009.B1	689	03.6029.18ADA	688	03.6049.18	690	03.6273.30D	182	03.6803.14BDA	604
03.5940.14	690	03.6009.B1ADA	689	03.6029.B1	688	03.6049.18ADA	690	03.6273.30DCB	182	03.6803.40A	604
03.5940.18	690	03.6010.14	692	03.6029.B1ADA	688	03.6049.B1	690	03.6273.30EDA	182	03.6803.40A1V	604
03.5940.B1	690	03.6010.14ADA	692	03.6030.14	691	03.6049.B1ADA	690	03.6274.14B	164	03.6803.40BDA	604
03.5941.14	690	03.6010.18	692	03.6030.14ADA	691	03.6050.14	693	03.6274.14BCB	164	03.6804.14A	604
03.5941.18	690	03.6010.18ADA	692	03.6030.18	691	03.6050.14ADA	693	03.6274.14BDA	164	03.6804.14A1V	604
03.5941.B1	690	03.6010.B1	692	03.6030.18ADA	691	03.6050.18	693	03.6274.40B	164	03.6804.14BDA	604
03.5943.14	690	03.6010.B1ADA	692	03.6030.B1	691	03.6050.18ADA	693	03.6274.40BCB	164	03.6804.40A	604
03.5943.18	690	03.6011.14	692	03.6030.B1ADA	691	03.6050.B1	693	03.6274.40BDA	164	03.6804.40A1V	604
03.5943.B1	690	03.6011.14ADA	692	03.6031.14	691	03.6050.B1ADA	693	03.6275.14B	164	03.6804.40BDA	604
03.5944.14	690	03.6011.18	692	03.6031.14ADA	691	03.6051.14	693	03.6275.14BCB	164	03.6805.14A	604
03.5944.18	690	03.6011.18ADA	692	03.6031.18	691	03.6051.14ADA	693	03.6275.14BDA	164	03.6805.14A1V	604
03.5944.B1	690	03.6011.B1	692	03.6031.18ADA	691	03.6051.18	693	03.6275.40B	164	03.6805.14BDA	604
03.5945.14	690	03.6011.B1ADA	692	03.6031.B1	691	03.6051.18ADA	693	03.6275.40BCB	164	03.6805.40A	604
03.5945.18	690	03.6013.14	692	03.6031.B1ADA	691	03.6051.B1	693	03.6275.40BDA	164	03.6805.40A1V	604
03.5945.B1	690	03.6013.14ADA	692	03.6033.14	691	03.6051.B1ADA	693	03.6277.14B	164	03.6805.40BDA	604
03.5947.14	690	03.6013.18	692	03.6033.14ADA	691	03.6053.14	693	03.6277.14BCB	164	03.6806.14A	604
03.5947.18	690	03.6013.18ADA	692	03.6033.18	691	03.6053.14ADA	693	03.6277.14BDA	164	03.6806.14A1V	604
03.5947.B1	690	03.6013.B1	692	03.6033.18ADA	691	03.6053.18	693	03.6277.40B	164	03.6806.14BDA	604
03.5948.14	690	03.6013.B1ADA	692	03.6033.B1	691	03.6053.18ADA	693	03.6277.40BCB	164	03.6806.40A	604
03.5948.18	690	03.6014.14	692	03.6033.B1ADA	691	03.6053.B1	693	03.6277.40BDA	164	03.6806.40A1V	604
03.5948.B1	690	03.6014.14ADA	692	03.6034.14	691	03.6053.B1ADA	693	03.6278.14B	164	03.6806.40BDA	604
03.5949.14	690	03.6014.18	692	03.6034.14ADA	691	03.6054.14	693	03.6278.14BCB	164	03.6807.14A	604
03.5949.18	690	03.6014.18ADA	692	03.6034.18	691	03.6054.14ADA	693	03.6278.14BDA	164	03.6807.14A1V	604
03.5949.B1	690	03.6014.B1	692	03.6034.18ADA	691	03.6054.18	693	03.6278.40B	164	03.6807.14BDA	604
03.5950.14	693	03.6014.B1ADA	692	03.6034.B1	691	03.6054.18ADA	693	03.6278.40BCB	164	03.6807.40A	604
03.5950.18	693	03.6015.14	692	03.6034.B1ADA	691	03.6054.B1	693	03.6278.40BDA	164	03.6807.40A1V	604
03.5950.B1	693	03.6015.14ADA	692	03.6035.14	691	03.6054.B1ADA	693	03.6284.14C	163	03.6807.40BDA	604
03.5951.14	693	03.6015.18	692	03.6035.14ADA	691	03.6055.14	693	03.6284.14CCB	163	03.6808.14A	604
03.5951.18	693	03.6015.18ADA	692	03.6035.18	691	03.6055.14ADA	693	03.6284.14CDA	163	03.6808.14A1V	604
03.5951.B1	693	03.6015.B1	692	03.6035.18ADA	691	03.6055.18	693	03.6284.40C	163	03.6808.14BDA	604
03.5953.14	693	03.6015.B1ADA	692	03.6035.B1	691	03.6055.18ADA	693	03.6284.40CCB	163	03.6808.40A	604
03.5953.18	693	03.6017.14	692	03.6035.B1ADA	691	03.6055.B1	693	03.6284.40CDA	163	03.6808.40A1V	604
03.5953.B1	693	03.6017.14ADA	692	03.6037.14	691	03.6055.B1ADA	693	03.6285.14C	163	03.6808.40BDA	604
03.5954.14	693	03.6017.18	692	03.6037.14ADA	691	03.6057.14	693	03.6285.14CCB	163	03.6809.1BA	600
03.5954.18	693	03.6017.18ADA	692	03.6037.18	691	03.6057.14ADA	693	03.6285.14CDA	163	03.6809.1BA1V	600
03.5954.B1	693	03.6017.B1	692	03.6037.18ADA	691	03.6057.18	693	03.6285.40C	163	03.6809.1BBDA	600
03.5955.14	693	03.6017.B1ADA	692	03.6037.B1	691	03.6057.18ADA	693	03.6285.40CCB	163	03.6809.1CA	600
03.5955.18	693	03.6018.14	692	03.6037.B1ADA	691	03.6057.B1	693	03.6285.40CDA	163	03.6809.1CADA	600
03.5955.B1	693	03.6018.14ADA	692	03.6038.14	691	03.6057.B1ADA	693	03.6286.14C	163	03.6809.3BA	600
03.5957.14	693	03.6018.18	692	03.6038.14ADA	691	03.6058.14	693	03.6286.14CCB	163	03.6809.3BA1V	600
03.5957.18	693	03.6018.18ADA	692	03.6038.18	691	03.6058.14ADA	693	03.6286.14CDA	163	03.6809.3BBDA	600
03.5957.B1	693	03.6018.B1	692	03.6038.18ADA	691	03.6058.18	693	03.6286.40C	163	03.6809.3CA	600
03.5958.14	693	03.6018.B1ADA	692	03.6038.B1	691	03.6058.18ADA	693	03.6286.40CCB	163	03.6809.3CADA	600
03.5958.18	693	03.6019.14	692	03.6038.B1ADA	691	03.6058.B1	693	03.6286.40CDA	163	03.6810.1BA	600
03.5958.B1	693	03.6019.14ADA	692	03.6039.14	691	03.6058.B1ADA	693	03.6287.14C	163	03.6810.1BA1V	600
03.5959.14	693	03.6019.18	692	03.6039.14ADA	691	03.6059.14	693	03.6287.14CCB	163	03.6810.1BBDA	600
03.5959.18	693	03.6019.18ADA	692	03.6039.18	691	03.6059.14ADA	693	03.6287.14CDA	163	03.6810.1CA	600
03.5959.B1	693	03.6019.B1	692	03.6039.18ADA	691	03.6059.18	693	03.6287.40C	163	03.6810.1CADA	600
03.6000.14	689	03.6019.B1ADA	692	03.6039.B1	691	03.6059.18ADA	693	03.6287.40CCB	163	03.6810.3BA	600
03.6000.14ADA	689	03.6020.14	688	03.6039.B1ADA	691	03.6059.B1	693	03.6287.40CDA	163	03.6810.3BA1V	600
03.6000.18	689	03.6020.14ADA	688	03.6040.14	690	03.6059.B1ADA	693	03.6295.14A	180	03.6810.3BBDA	600
03.6000.18ADA	689	03.6020.18	688	03.6040.14ADA	690	03.6150.05	611	03.6295.14ACB	180	03.6810.3CA	600
03.6000.B1	689	03.6020.18ADA	688	03.6040.18	690	03.6150.14	611	03.6295.14ADA	180	03.6810.3CADA	600
03.6000.B1ADA	689	03.6020.B1	688	03.6040.18ADA	690	03.6150.30	611	03.6296.14A	180	03.6811.1BA	600
03.6001.14	689	03.6020.B1ADA	688	03.6040.B1	690	03.6150.GN	611	03.6296.14ACB	180	03.6811.1BA1V	600
03.6001.14ADA	689	03.6021.14	688	03.6040.B1ADA	690	03.6154.05A	611	03.6296.14ADA	180	03.6811.1BBDA	600
03.6001.18	689	03.6021.14ADA	688	03.6041.14	690	03.6154.14A	611	03.6297.14A	180	03.6811.1CA	600
03.6001.18ADA	689	03.6021.18	688	03.6041.14ADA	690	03.6154.30A	611	03.6297.14ACB	180	03.6811.1CADA	600
03.6001.B1	689	03.6021.18ADA	688	03.6041.18	690	03.6154.GNA	611	03.6297.14ADA	180	03.6811.3BA	600
03.6001.B1ADA	689	03.6021.B1	688	03.6041.18ADA	690	03.6170.05	669	03.6298.14A	180	03.6811.3BA1V	600
03.6003.14	689	03.6021.B1ADA	688	03.6041.B1	690	03.6170.14	669	03.6298.14ACB	180	03.6811.3BBDA	600
03.6003.14ADA	689	03.6023.14	688	03.6041.B1ADA	690	03.6170.30	669	03.6298.14ADA	180	03.6811.3CA	600
03.6003.18	689	03.6023.14ADA	688	03.6043.14	690	03.6170.GN	669	03.6302.14B	162	03.6811.3CADA	600
03.6003.18ADA	689	03.6023.18	688	03.6043.14ADA	690	03.6174.05A	669	03.6302.14BCB	162	03.6812.1BA	606
03.6003.B1	689	03.6023.18ADA	688	03.6043.18	690	03.6174.14A	669	03.6302.14CDA	162	03.6812.1BA1V	606
03.6003.B1ADA	689	03.6023.B1	688	03.6043.18ADA	690	03.6174.30A	669	03.6303.14B	162	03.6812.1BBDA	606
03.6004.14	689	03.6023.B1ADA	688	03.6043.B1	690	03.6174.GNA	669	03.6303.14BCB	162	03.6812.1CA	606
03.6004.14ADA	689	03.6024.14	688	03.6043.B1ADA	690	03.6260.14ADA	181	03.6303.14CDA	162	03.6812.1CA1V	606
03.6004.18	689	03.6024.14ADA	688	03.6044.14	690	03.6260.14B	181	03.6305.14C	179	03.6812.1CBDA	606
03.6004.18ADA	689	03.6024.18	688	03.6044.14ADA	690	03.6260.14.CB	181	03.6305.14CCB	179	03.6812.3BA	606
03.6004.B1	689	03.6024.18ADA	688	03.6044.18	690	03.6261.14ADA	181	03.6305.14CDA	179	03.6812.3BA1V	606
03.6004.B1ADA	689	03.6024.B1	688	03.6044.18ADA	690	03.6261.14B	181	03.6306.14C	179	03.6812.3BBDA	606
03.6005.14	689	03.6024.B1ADA	688	03.6044.B1	690	03.6261.14.CB	181	03.6306.14CCB	179	03.6812.3CA	606
03.6005.14ADA	689	03.6025.14	688	03.6044.B1ADA	690	03.6262.14ADA	181	03.6306.14CDA	179	03.6812.3CA1V	606
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03.6813.1BA	606	03.6827.06BDA	607	03.7312.40BDA	411	03.7354.40ANI	423	03.7378.40ACB	435	03.8028.40	206
03.6813.1BA1V	606	03.6827.40A	607	03.7313.14A	411	03.7354.40BDA	423	03.7378.40ANI	435	03.8028.40.1V	206
03.6813.1BBDA	606	03.6827.40A1V	607	03.7313.14ACB	411	03.7355.14A	423	03.7378.40BDA	435	03.8028.40.CB	206
03.6813.1CA	606	03.6827.40BDA	607	03.7313.14ANI	411	03.7355.14ACB	423	03.7379.14A	435	03.8028.40.DA	206
03.6813.1CA1V	606	03.6828.06A	607	03.7313.14BDA	411	03.7355.14ANI	423	03.7379.14ACB	435	03.8032.05A	52
03.6813.1CBDA	606	03.6828.06A1V	607	03.7313.40A	411	03.7355.14BDA	423	03.7379.14ANI	435	03.8032.05A	200
03.6813.3BA	606	03.6828.06BDA	607	03.7313.40ACB	411	03.7355.40A	423	03.7379.14BDA	435	03.8032.05A1V	52
03.6813.3BA1V	606	03.6828.40A	607	03.7313.40ANI	411	03.7355.40ACB	423	03.7379.40A	435	03.8032.05A1V	200
03.6813.3BBDA	606	03.6828.40A1V	607	03.7313.40BDA	411	03.7355.40ANI	423	03.7379.40ACB	435	03.8032.05ACB	52
03.6813.3CA	606	03.6828.40BDA	607	03.7316.14A	415	03.7355.40BDA	423	03.7379.40ANI	435	03.8032.05ACB	200
03.6813.3CA1V	606	03.6829.06A	607	03.7316.14ACB	415	03.7358.14A	427	03.7379.40BDA	435	03.8032.05ADA	52
03.6813.3CBDA	606	03.6829.06A1V	607	03.7316.14ANI	415	03.7358.14ACB	427	03.8000.14	199	03.8032.05ADA	200
03.6814.1BA	606	03.6829.06BDA	607	03.7316.14BDA	415	03.7358.14ANI	427	03.8000.14.1V	199	03.8032.14A	52
03.6814.1BA1V	606	03.6829.40A	607	03.7316.40A	415	03.7358.14BDA	427	03.8000.14.CB	199	03.8032.14A	200
03.6814.1BBDA	606	03.6829.40A1V	607	03.7316.40ACB	415	03.7358.40A	427	03.8000.14.DA	199	03.8032.14A1V	52
03.6814.1CA	606	03.6829.40BDA	607	03.7316.40ANI	415	03.7358.40ACB	427	03.8001.14	199	03.8032.14A1V	200
03.6814.1CA1V	606	03.7000.14	156	03.7316.40BDA	415	03.7358.40ANI	427	03.8001.14.1V	199	03.8032.14ACB	52
03.6814.1CBDA	606	03.7000.14ADA	156	03.7317.14A	415	03.7358.40BDA	427	03.8001.14.CB	199	03.8032.14ACB	200
03.6814.3BA	606	03.7000.14.CB	156	03.7317.14ACB	415	03.7359.14A	427	03.8001.14.DA	199	03.8032.14ADA	52
03.6814.3BA1V	606	03.7001.14	156	03.7317.14ANI	415	03.7359.14ACB	427	03.8002.14	199	03.8032.14ADA	200
03.6814.3BBDA	606	03.7001.14ADA	156	03.7317.14BDA	415	03.7359.14ANI	427	03.8002.14.1V	199	03.8032.40A	52
03.6814.3CA	606	03.7001.14.CB	156	03.7317.40A	415	03.7359.14BDA	427	03.8002.14.CB	199	03.8032.40A	200
03.6814.3CA1V	606	03.7002.14	156	03.7317.40ACB	415	03.7359.40A	427	03.8002.14.DA	199	03.8032.40A1V	52
03.6814.3CBDA	606	03.7002.14ADA	156	03.7317.40ANI	415	03.7359.40ACB	427	03.8003.14	199	03.8032.40A1V	200
03.6815.14A	603	03.7002.14.CB	156	03.7317.40BDA	415	03.7359.40ANI	427	03.8003.14.1V	199	03.8032.40ACB	52
03.6815.14A1V	603	03.7003.14	156	03.7320.14A	415	03.7359.40BDA	427	03.8003.14.CB	199	03.8032.40ACB	200
03.6815.14BDA	603	03.7003.14ADA	156	03.7320.14ACB	415	03.7362.14A	427	03.8003.14.DA	199	03.8032.40ADA	52
03.6815.40A	603	03.7003.14.CB	156	03.7320.14ANI	415	03.7362.14ACB	427	03.8004.14	199	03.8032.40ADA	200
03.6815.40A1V	603	03.7004.14	156	03.7320.14BDA	415	03.7362.14ANI	427	03.8004.14.1V	199	03.8033.05A	52
03.6815.40BDA	603	03.7004.14ADA	156	03.7320.40A	415	03.7362.14BDA	427	03.8004.14.CB	199	03.8033.05A	200
03.6816.14A	603	03.7004.14.CB	156	03.7320.40ACB	415	03.7362.40A	427	03.8004.14.DA	199	03.8033.05A1V	52
03.6816.14A1V	603	03.7005.14	156	03.7320.40ANI	415	03.7362.40ACB	427	03.8005.14	199	03.8033.05A1V	200
03.6816.14BDA	603	03.7005.14ADA	156	03.7320.40BDA	415	03.7362.40ANI	427	03.8005.14.1V	199	03.8033.05ACB	52
03.6816.40A	603	03.7005.14.CB	156	03.7321.14A	415	03.7362.40BDA	427	03.8005.14.CB	199	03.8033.05ACB	200
03.6816.40A1V	603	03.7006.14	156	03.7321.14ACB	415	03.7363.14A	427	03.8005.14.DA	199	03.8033.05ADA	52
03.6816.40BDA	603	03.7006.14ADA	156	03.7321.14ANI	415	03.7363.14ACB	427	03.8006.14	199	03.8033.05ADA	200
03.6817.14A	603	03.7006.14.CB	156	03.7321.14BDA	415	03.7363.14ANI	427	03.8006.14.1V	199	03.8033.14A	52
03.6817.14A1V	603	03.7007.14	156	03.7321.40A	415	03.7363.14BDA	427	03.8006.14.CB	199	03.8033.14A	200
03.6817.14BDA	603	03.7007.14ADA	156	03.7321.40ACB	415	03.7363.40A	427	03.8006.14.DA	199	03.8033.14A1V	52
03.6817.40A	603	03.7007.14.CB	156	03.7321.40ANI	415	03.7363.40ACB	427	03.8007.14	199	03.8033.14A1V	200
03.6817.40A1V	603	03.7300.14A	407	03.7321.40BDA	415	03.7363.40ANI	427	03.8007.14.1V	199	03.8033.14ACB	52
03.6817.40BDA	603	03.7300.14ACB	407	03.7324.14A	419	03.7363.40BDA	427	03.8007.14.CB	199	03.8033.14ACB	200
03.6818.14A	605	03.7300.14ANI	407	03.7324.14ACB	419	03.7366.14A	431	03.8007.14.DA	199	03.8033.14ADA	52
03.6818.14A1V	605	03.7300.14BDA	407	03.7324.14ANI	419	03.7366.14ACB	431	03.8008.14	199	03.8033.14ADA	200
03.6818.14BDA	605	03.7300.40A	407	03.7324.14BDA	419	03.7366.14ANI	431	03.8008.14.1V	199	03.8033.40A	52
03.6818.40A	605	03.7300.40ACB	407	03.7324.40A	419	03.7366.14BDA	431	03.8008.14.CB	199	03.8033.40A	200
03.6818.40A1V	605	03.7300.40ANI	407	03.7324.40ACB	419	03.7366.40A	431	03.8008.14.DA	199	03.8033.40A1V	52
03.6818.40BDA	605	03.7300.40BDA	407	03.7324.40ANI	419	03.7366.40ACB	431	03.8009.14	199	03.8033.40A1V	200
03.6819.14A	605	03.7301.14A	407	03.7324.40BDA	419	03.7366.40ANI	431	03.8009.14.1V	199	03.8033.40ACB	52
03.6819.14A1V	605	03.7301.14ACB	407	03.7325.14A	419	03.7366.40BDA	431	03.8009.14.CB	199	03.8033.40ACB	200
03.6819.14BDA	605	03.7301.14ANI	407	03.7325.14ACB	419	03.7367.14A	431	03.8009.14.DA	199	03.8033.40ADA	52
03.6819.40A	605	03.7301.14BDA	407	03.7325.14ANI	419	03.7367.14ACB	431	03.8025.05	206	03.8033.40ADA	200
03.6819.40A1V	605	03.7301.40A	407	03.7325.14BDA	419	03.7367.14ANI	431	03.8025.05.1V	206	03.8042.05A	53
03.6819.40BDA	605	03.7301.40ACB	407	03.7325.40A	419	03.7367.14BDA	431	03.8025.05.CB	206	03.8042.05A	201
03.6820.14A	605	03.7301.40ANI	407	03.7325.40ACB	419	03.7367.40A	431	03.8025.05.DA	206	03.8042.05A1V	53
03.6820.14A1V	605	03.7301.40BDA	407	03.7325.40ANI	419	03.7367.40ACB	431	03.8025.14	206	03.8042.05A1V	201
03.6820.14BDA	605	03.7304.14A	407	03.7325.40BDA	419	03.7367.40ANI	431	03.8025.14.1V	206	03.8042.05ACB	53
03.6820.40A	605	03.7304.14ACB	407	03.7328.14A	419	03.7367.40BDA	431	03.8025.14.CB	206	03.8042.05ACB	201
03.6820.40A1V	605	03.7304.14ANI	407	03.7328.14ACB	419	03.7370.14A	431	03.8025.14.DA	206	03.8042.05ADA	53
03.6820.40BDA	605	03.7304.14BDA	407	03.7328.14ANI	419	03.7370.14ACB	431	03.8025.40	206	03.8042.05ADA	201
03.6821.14A	605	03.7304.40A	407	03.7328.14BDA	419	03.7370.14ANI	431	03.8025.40.1V	206	03.8042.14A	53
03.6821.14A1V	605	03.7304.40ACB	407	03.7328.40A	419	03.7370.14BDA	431	03.8025.40.CB	206	03.8042.14A	201
03.6821.14BDA	605	03.7304.40ANI	407	03.7328.40ACB	419	03.7370.40A	431	03.8025.40.DA	206	03.8042.14A1V	53
03.6821.40A	605	03.7304.40BDA	407	03.7328.40ANI	419	03.7370.40ACB	431	03.8026.05	206	03.8042.14A1V	201
03.6821.40A1V	605	03.7305.14A	407	03.7328.40BDA	419	03.7370.40ANI	431	03.8026.05.1V	206	03.8042.14ACB	53
03.6821.40BDA	605	03.7305.14ACB	407	03.7329.14A	419	03.7370.40BDA	431	03.8026.05.CB	206	03.8042.14ACB	201
03.6822.14A	605	03.7305.14ANI	407	03.7329.14ACB	419	03.7371.14A	431	03.8026.05.DA	206	03.8042.14ADA	53
03.6822.14A1V	605	03.7305.14BDA	407	03.7329.14ANI	419	03.7371.14ACB	431	03.8026.14	206	03.8042.14ADA	201
03.6822.14BDA	605	03.7305.40A	407	03.7329.14BDA	419	03.7371.14ANI	431	03.8026.14.1V	206	03.8042.40A	53
03.6822.40A	605	03.7305.40ACB	407	03.7329.40A	419	03.7371.14BDA	431	03.8026.14.CB	206	03.8042.40A	201
03.6822.40A1V	605	03.7305.40ANI	407	03.7329.40ACB	419	03.7371.40A	431	03.8026.14.DA	206	03.8042.40A1V	53
03.6822.40BDA	605	03.7305.40BDA	407	03.7329.40ANI	419	03.7371.40ACB	431	03.8026.40	206	03.8042.40A1V	201
03.6823.14A	605	03.7308.14A	411	03.7329.40BDA	419	03.7371.40ANI	431	03.8026.40.1V	206	03.8042.40ACB	53
03.6823.14A1V	605	03.7308.14ACB	411	03.7350.14A	423	03.7371.40BDA	431	03.8026.40.CB	206	03.8042.40ACB	201
03.6823.14BDA	605	03.7308.14ANI	411	03.7350.14ACB	423	03.7374.14A	435	03.8026.40.DA	206	03.8042.40ADA	53
03.6823.40A	605	03.7308.14BDA	411	03.7350.14ANI	423	03.7374.14ACB	435	03.8027.05	206	03.8042.40ADA	201
03.6823.40A1V	605	03.7308.40A	411	03.7350.14BDA	423	03.7374.14ANI	435	03.8027.05.1V	206	03.8043.05A	53
03.6823.40BDA	605	03.7308.40ACB	411	03.7350.40A	423	03.7374.14BDA	435	03.8027.05.CB	206	03.8043.05A	201
03.6824.06A	601	03.7308.40ANI	411	03.7350.40ACB	423	03.7374.40A	435	03.8027.05.DA	206	03.8043.05A1V	53
03.6824.06ADA	601	03.7308.40BDA	411	03.7350.40ANI	423	03.7374.40ACB	435	03.8027.14	206	03.8043.05A1V	201
03.6824.40A	601	03.7309.14A	411	03.7350.40BDA	423	03.7374.40ANI	435	03.8027.14.1V	206	03.8043.05ACB	53
03.6824.40A1V	601	03.7309.14ACB	411	03.7351.14A	423	03.7374.40BDA	435	03.8027.14.CB	206	03.8043.05ACB	201
03.6824.40BDA	601	03.7309.14ANI	411	03.7351.14ACB	423	03.7375.14A	435	03.8027.14.DA	206	03.8043.05ADA	53
03.6825.06A	601	03.7309.14BDA	411	03.7351.14ANI	423	03.7375.14ACB	435	03.8027.40	206	03.8043.05ADA	201
03.6825.06ADA	601	03.7309.40A	411	03.7351.14BDA	423	03.7375.14ANI	435	03.8027.40.1V	206	03.8043.14A	53
03.6825.40A	601	03.7309.40ACB	411	03.7351.40A	423	03.7375.14BDA	435	03.8027.40.CB	206	03.8043.14A	201
03.6825.40A1V	601	03.7309.40ANI	411	03.7351.40ACB	423	03.7375.40A	435	03.8027.40.DA	206	03.8043.14A1V	53
03.6825.40BDA	601	03.7309.40BDA	411	03.7351.40ANI	423	03.7375.40ACB	435	03.8028.05	206	03.8043.14A1V	201
03.6826.06A	601	03.7312.14A	411	03.7351.40BDA	423	03.7375.40ANI	435	03.8028.05.1V	206	03.8043.14ACB	53
03.6826.06ADA	601	03.7312.14ACB	411	03.7354.14A	423	03.7375.40BDA	435	03.8028.05.CB	206	03.8043.14ACB	201
03.6826.40A	601	03.7312.14ANI	411	03.7354.14ACB	423	03.7378.14A	435	03.8028.05.DA	206	03.8043.14ADA	53
03.6826.40A1V	601	03.7312.14BDA	411	03.7354.14ANI	423	03.7378.14ACB	435	03.8028.14	206	03.8043.14ADA	201
03.6826.40BDA	601	03.7312.40A	411	03.7354.14BDA	423	03.7378.14ANI	435	03.8028.14.1V	206	03.8043.40A	53
03.6827.06A	607	03.7312.40ACB	411	03.7354.40A	423	03.7378.14BDA	435	03.8028.14.CB	206	03.8043.40A	201
03.6827.06A1V	607	03.7312.40ANI	411	03.7354.40ACB	423	03.7378.40A	435	03.8028.14.DA	206	03.8043.40A1V	53

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03.8043.40A1V	201	03.8053.40A1V	54	03.8073.40A	204	03.8077.40A	64	03.8115.40ADA	51	03.8137.00	66
03.8043.40ACB	53	03.8053.40A1V	202	03.8073.40A1V	64	03.8077.40A	204	03.8116.14A	51	03.8137.00.1V	66
03.8043.40ACB	201	03.8053.40ACB	54	03.8073.40A1V	204	03.8077.40A1V	64	03.8116.14A1V	51	03.8137.00.CB	66
03.8043.40ADA	53	03.8053.40ACB	202	03.8073.40ACB	64	03.8077.40A1V	204	03.8116.14ACB	51	03.8137.00.DA	66
03.8043.40ADA	201	03.8053.40ADA	54	03.8073.40ACB	204	03.8077.40ACB	64	03.8116.14ADA	51	03.8137.FU	66
03.8044.05A	53	03.8053.40ADA	202	03.8073.40ADA	64	03.8077.40ACB	204	03.8116.40A	51	03.8137.FU.1V	66
03.8044.05A	201	03.8054.05A	54	03.8073.40ADA	204	03.8077.40ADA	64	03.8116.40A1V	51	03.8137.FU.CB	66
03.8044.05A1V	53	03.8054.05A	202	03.8074.05A	64	03.8077.40ADA	204	03.8116.40ACB	51	03.8137.FU.DA	66
03.8044.05A1V	201	03.8054.05A1V	54	03.8074.05A	204	03.8090.14	216	03.8116.40ADA	51	03.8137.RC	66
03.8044.05ACB	53	03.8054.05A1V	202	03.8074.05A1V	64	03.8090.14.CB	216	03.8117.14A	51	03.8137.RC.1V	66
03.8044.05ACB	201	03.8054.05ACB	54	03.8074.05A1V	204	03.8090.40	216	03.8117.14A1V	51	03.8137.RC.CB	66
03.8044.05ADA	53	03.8054.05ACB	202	03.8074.05ACB	64	03.8090.40.CB	216	03.8117.14ACB	51	03.8137.RC.DA	66
03.8044.05ADA	201	03.8054.05ADA	54	03.8074.05ACB	204	03.8091.14	216	03.8117.14ADA	51	03.8138.00	67
03.8044.14A	53	03.8054.05ADA	202	03.8074.05ADA	64	03.8091.14.CB	216	03.8117.40A	51	03.8138.00.1V	67
03.8044.14A	201	03.8054.14A	54	03.8074.05ADA	204	03.8091.40	216	03.8117.40A1V	51	03.8138.00.CB	67
03.8044.14A1V	53	03.8054.14A	202	03.8074.14A	64	03.8091.40.CB	216	03.8117.40ACB	51	03.8138.00.DA	67
03.8044.14A1V	201	03.8054.14A1V	54	03.8074.14A	204	03.8100.14A	50	03.8117.40ADA	51	03.8138.FU	67
03.8044.14ACB	53	03.8054.14A1V	202	03.8074.14A1V	64	03.8100.14A1V	50	03.8120.14	48	03.8138.FU.1V	67
03.8044.14ACB	201	03.8054.14ACB	54	03.8074.14A1V	204	03.8100.14ACB	50	03.8120.40	48	03.8138.FU.CB	67
03.8044.14ADA	53	03.8054.14ACB	202	03.8074.14ACB	64	03.8100.14ADA	50	03.8121.14	48	03.8138.FU.DA	67
03.8044.14ADA	201	03.8054.14ADA	54	03.8074.14ACB	204	03.8100.40A	50	03.8121.40	48	03.8138.RC	67
03.8044.40A	53	03.8054.14ADA	202	03.8074.14ADA	64	03.8100.40A1V	50	03.8122.14	48	03.8138.RC.1V	67
03.8044.40A	201	03.8054.40A	54	03.8074.14ADA	204	03.8100.40ACB	50	03.8122.40	48	03.8138.RC.CB	67
03.8044.40A1V	53	03.8054.40A	202	03.8074.40A	64	03.8100.40ADA	50	03.8130.00	66	03.8138.RC.DA	67
03.8044.40A1V	201	03.8054.40A1V	54	03.8074.40A	204	03.8101.14A	50	03.8130.00.1V	66	03.8140.14A	68
03.8044.40ACB	53	03.8054.40A1V	202	03.8074.40A1V	64	03.8101.14A1V	50	03.8130.00.CB	66	03.8140.14A1V	68
03.8044.40ACB	201	03.8054.40ACB	54	03.8074.40A1V	204	03.8101.14ACB	50	03.8130.00.DA	66	03.8140.14ACB	68
03.8044.40ADA	53	03.8054.40ACB	202	03.8074.40ACB	64	03.8101.14ADA	50	03.8130.FU	66	03.8140.14ADA	68
03.8044.40ADA	201	03.8054.40ADA	54	03.8074.40ACB	204	03.8101.40A	50	03.8130.FU.1V	66	03.8140.40A	68
03.8045.05A	53	03.8054.40ADA	202	03.8074.40ADA	64	03.8101.40A1V	50	03.8130.FU.CB	66	03.8140.40A1V	68
03.8045.05A	201	03.8055.05A	54	03.8074.40ADA	204	03.8101.40ACB	50	03.8130.FU.DA	66	03.8140.40ACB	68
03.8045.05A1V	53	03.8055.05A	202	03.8075.05A	64	03.8101.40ADA	50	03.8130.RC	66	03.8140.40ADA	68
03.8045.05A1V	201	03.8055.05A1V	54	03.8075.05A	204	03.8102.14A	50	03.8130.RC.1V	66	03.8141.14A	68
03.8045.05ACB	53	03.8055.05A1V	202	03.8075.05A1V	64	03.8102.14A1V	50	03.8130.RC.CB	66	03.8141.14A1V	68
03.8045.05ACB	201	03.8055.05ACB	54	03.8075.05A1V	204	03.8102.14ACB	50	03.8130.RC.DA	66	03.8141.14ACB	68
03.8045.05ADA	53	03.8055.05ACB	202	03.8075.05ACB	64	03.8102.14ADA	50	03.8131.00	66	03.8141.14ADA	68
03.8045.05ADA	201	03.8055.05ADA	54	03.8075.05ACB	204	03.8102.40A	50	03.8131.00.1V	66	03.8141.40A	68
03.8045.14A	53	03.8055.05ADA	202	03.8075.05ADA	64	03.8102.40A1V	50	03.8131.00.CB	66	03.8141.40A1V	68
03.8045.14A	201	03.8055.14A	54	03.8075.05ADA	204	03.8102.40ACB	50	03.8131.00.DA	66	03.8141.40ACB	68
03.8045.14A1V	53	03.8055.14A	202	03.8075.14A	64	03.8102.40ADA	50	03.8131.FU	66	03.8141.40ADA	68
03.8045.14A1V	201	03.8055.14A1V	54	03.8075.14A	204	03.8105.14A	50	03.8131.FU.1V	66	03.8142.14A	68
03.8045.14ACB	53	03.8055.14A1V	202	03.8075.14A1V	64	03.8105.14A1V	50	03.8131.FU.CB	66	03.8142.14A1V	68
03.8045.14ACB	201	03.8055.14ACB	54	03.8075.14A1V	204	03.8105.14ACB	50	03.8131.FU.DA	66	03.8142.14ACB	68
03.8045.14ADA	53	03.8055.14ACB	202	03.8075.14ACB	64	03.8105.14ADA	50	03.8131.RC	66	03.8142.14ADA	68
03.8045.14ADA	201	03.8055.14ADA	54	03.8075.14ACB	204	03.8105.40A	50	03.8131.RC.1V	66	03.8142.40A	68
03.8045.40A	53	03.8055.14ADA	202	03.8075.14ADA	64	03.8105.40A1V	50	03.8131.RC.CB	66	03.8142.40A1V	68
03.8045.40A	201	03.8055.40A	54	03.8075.14ADA	204	03.8105.40ACB	50	03.8131.RC.DA	66	03.8142.40ACB	68
03.8045.40A1V	53	03.8055.40A	202	03.8075.40A	64	03.8105.40ADA	50	03.8132.00	66	03.8142.40ADA	68
03.8045.40A1V	201	03.8055.40A1V	54	03.8075.40A	204	03.8106.14A	50	03.8132.00.1V	66	03.8143.14A	68
03.8045.40ACB	53	03.8055.40A1V	202	03.8075.40A1V	64	03.8106.14A1V	50	03.8132.00.CB	66	03.8143.14A1V	68
03.8045.40ACB	201	03.8055.40ACB	54	03.8075.40A1V	204	03.8106.14ACB	50	03.8132.00.DA	66	03.8143.14ACB	68
03.8045.40ADA	53	03.8055.40ACB	202	03.8075.40ACB	64	03.8106.14ADA	50	03.8132.FU	66	03.8143.14ADA	68
03.8045.40ADA	201	03.8055.40ADA	54	03.8075.40ACB	204	03.8106.40A	50	03.8132.FU.1V	66	03.8143.40A	68
03.8052.05A	54	03.8055.40ADA	202	03.8075.40ADA	64	03.8106.40A1V	50	03.8132.FU.CB	66	03.8143.40A1V	68
03.8052.05A	202	03.8072.05A	64	03.8075.40ADA	204	03.8106.40ACB	50	03.8132.FU.DA	66	03.8143.40ACB	68
03.8052.05A1V	54	03.8072.05A	204	03.8076.05A	64	03.8106.40ADA	50	03.8132.RC	66	03.8143.40ADA	68
03.8052.05A1V	202	03.8072.05A1V	64	03.8076.05A	204	03.8107.14A	50	03.8132.RC.1V	66	03.8154.05	55
03.8052.05ACB	54	03.8072.05A1V	204	03.8076.05A1V	64	03.8107.14A1V	50	03.8132.RC.CB	66	03.8154.05	203
03.8052.05ACB	202	03.8072.05ACB	64	03.8076.05A1V	204	03.8107.14ACB	50	03.8132.RC.DA	66	03.8154.05.1V	55
03.8052.05ADA	54	03.8072.05ACB	204	03.8076.05ACB	64	03.8107.14ADA	50	03.8133.00	66	03.8154.05.1V	203
03.8052.05ADA	202	03.8072.05ADA	64	03.8076.05ACB	204	03.8107.40A	50	03.8133.00.1V	66	03.8154.05.CB	55
03.8052.14A	54	03.8072.05ADA	204	03.8076.05ADA	64	03.8107.40A1V	50	03.8133.00.CB	66	03.8154.05.CB	203
03.8052.14A	202	03.8072.14A	64	03.8076.05ADA	204	03.8107.40ACB	50	03.8133.00.DA	66	03.8154.05.DA	55
03.8052.14A1V	54	03.8072.14A	204	03.8076.14A	64	03.8107.40ADA	50	03.8133.FU	66	03.8154.05.DA	203
03.8052.14A1V	202	03.8072.14A1V	64	03.8076.14A	204	03.8110.14A	51	03.8133.FU.1V	66	03.8154.14	55
03.8052.14ACB	54	03.8072.14A1V	204	03.8076.14A1V	64	03.8110.14A1V	51	03.8133.FU.CB	66	03.8154.14	203
03.8052.14ACB	202	03.8072.14ACB	64	03.8076.14A1V	204	03.8110.14ACB	51	03.8133.FU.DA	66	03.8154.14.1V	55
03.8052.14ADA	54	03.8072.14ACB	204	03.8076.14ACB	64	03.8110.14ADA	51	03.8133.RC	66	03.8154.14.1V	203
03.8052.14ADA	202	03.8072.14ADA	64	03.8076.14ACB	204	03.8110.40A	51	03.8133.RC.1V	66	03.8154.14.CB	55
03.8052.40A	54	03.8072.14ADA	204	03.8076.14ADA	64	03.8110.40A1V	51	03.8133.RC.CB	66	03.8154.14.CB	203
03.8052.40A	202	03.8072.40A	64	03.8076.14ADA	204	03.8110.40ACB	51	03.8133.RC.DA	66	03.8154.14.DA	55
03.8052.40A1V	54	03.8072.40A	204	03.8076.40A	64	03.8110.40ADA	51	03.8135.00	66	03.8154.14.DA	203
03.8052.40A1V	202	03.8072.40A1V	64	03.8076.40A	204	03.8111.14A	51	03.8135.00.1V	66	03.8154.40	55
03.8052.40ACB	54	03.8072.40A1V	204	03.8076.40A1V	64	03.8111.14A1V	51	03.8135.00.CB	66	03.8154.40	203
03.8052.40ACB	202	03.8072.40ACB	64	03.8076.40A1V	204	03.8111.14ACB	51	03.8135.00.DA	66	03.8154.40.1V	55
03.8052.40ADA	54	03.8072.40ACB	204	03.8076.40ACB	64	03.8111.14ADA	51	03.8135.FU	66	03.8154.40.1V	203
03.8052.40ADA	202	03.8072.40ADA	64	03.8076.40ACB	204	03.8111.40A	51	03.8135.FU.1V	66	03.8154.40.CB	55
03.8053.05A	54	03.8072.40ADA	204	03.8076.40ADA	64	03.8111.40A1V	51	03.8135.FU.CB	66	03.8154.40.CB	203
03.8053.05A	202	03.8073.05A	64	03.8076.40ADA	204	03.8111.40ACB	51	03.8135.FU.DA	66	03.8154.40.DA	55
03.8053.05A1V	54	03.8073.05A	204	03.8077.05A	64	03.8111.40ADA	51	03.8135.RC	66	03.8154.40.DA	203
03.8053.05A1V	202	03.8073.05A1V	64	03.8077.05A	204	03.8112.14A	51	03.8135.RC.1V	66	03.8155.05	55
03.8053.05ACB	54	03.8073.05A1V	204	03.8077.05A1V	64	03.8112.14A1V	51	03.8135.RC.CB	66	03.8155.05	203
03.8053.05ACB	202	03.8073.05ACB	64	03.8077.05A1V	204	03.8112.14ACB	51	03.8135.RC.DA	66	03.8155.05.1V	55
03.8053.05ADA	54	03.8073.05ACB	204	03.8077.05ACB	64	03.8112.14ADA	51	03.8136.00	67	03.8155.05.1V	203
03.8053.05ADA	202	03.8073.05ADA	64	03.8077.05ACB	204	03.8112.40A	51	03.8136.00.1V	67	03.8155.05.CB	55
03.8053.14A	54	03.8073.05ADA	204	03.8077.05ADA	64	03.8112.40A1V	51	03.8136.00.CB	67	03.8155.05.CB	203
03.8053.14A	202	03.8073.14A	64	03.8077.05ADA	204	03.8112.40ACB	51	03.8136.00.DA	67	03.8155.05.DA	55
03.8053.14A1V	54	03.8073.14A	204	03.8077.14A	64	03.8112.40ADA	51	03.8136.FU	67	03.8155.05.DA	203
03.8053.14A1V	202	03.8073.14A1V	64	03.8077.14A	204	03.8115.14A	51	03.8136.FU.1V	67	03.8155.14	55
03.8053.14ACB	54	03.8073.14A1V	204	03.8077.14A1V	64	03.8115.14A1V	51	03.8136.FU.CB	67	03.8155.14	203
03.8053.14ACB	202	03.8073.14ACB	64	03.8077.14A1V	204	03.8115.14ACB	51	03.8136.FU.DA	67	03.8155.14.1V	55
03.8053.14ADA	54	03.8073.14ACB	204	03.8077.14ACB	64	03.8115.14ADA	51	03.8136.RC	67	03.8155.14.1V	203
03.8053.14ADA	202	03.8073.14ADA	64	03.8077.14ACB	204	03.8115.40A	51	03.8136.RC.1V	67	03.8155.14.CB	55
03.8053.40A	54	03.8073.14ADA	204	03.8077.14ADA	64	03.8115.40A1V	51	03.8136.RC.CB	67	03.8155.14.CB	203
03.8053.40A	202	03.8073.40A	64	03.8077.14ADA	204	03.8115.40ACB	51	03.8136.RC.DA	67	03.8155.14.DA	55

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
03.8155.14.DA	203	03.8308.40ANI	371	03.8350.40ACB	387	03.8374.40A	403	03.8511.GN	40	03.8613.EQA	450
03.8155.40	55	03.8308.40BDA	371	03.8350.40ANI	387	03.8374.40ACB	403	03.8511.GO	40	03.8613.ERA	450
03.8155.40	203	03.8309.14A	371	03.8350.40BDA	387	03.8374.40ANI	403	03.8511.M5	40	03.8613.ESA	450
03.8155.40.1V	55	03.8309.14ACB	371	03.8351.14A	387	03.8374.40BDA	403	03.8512.14	40	03.8614.14A	451
03.8155.40.1V	203	03.8309.14ANI	371	03.8351.14ACB	387	03.8375.14A	403	03.8512.18	40	03.8614.40B	451
03.8155.40.CB	55	03.8309.14BDA	371	03.8351.14ANI	387	03.8375.14ACB	403	03.8512.GN	40	03.8614.EQA	451
03.8155.40.CB	203	03.8309.40A	371	03.8351.14BDA	387	03.8375.14ANI	403	03.8512.GO	40	03.8614.ERA	451
03.8155.40.DA	55	03.8309.40ACB	371	03.8351.40A	387	03.8375.14BDA	403	03.8512.M5	40	03.8614.ESA	451
03.8155.40.DA	203	03.8309.40ANI	371	03.8351.40ACB	387	03.8375.40A	403	03.8513.14	40	03.8615.14A	451
03.8156.05	55	03.8309.40BDA	371	03.8351.40ANI	387	03.8375.40ACB	403	03.8513.18	40	03.8615.40B	451
03.8156.05	203	03.8312.14A	371	03.8351.40BDA	387	03.8375.40ANI	403	03.8513.GN	40	03.8615.EQA	451
03.8156.05.1V	55	03.8312.14ACB	371	03.8354.14A	387	03.8375.40BDA	403	03.8513.GO	40	03.8615.ERA	451
03.8156.05.1V	203	03.8312.14ANI	371	03.8354.14ACB	387	03.8378.14A	403	03.8513.M5	40	03.8615.ESA	451
03.8156.05.CB	55	03.8312.14BDA	371	03.8354.14ANI	387	03.8378.14ACB	403	03.8514.14	40	03.8616.14A	450
03.8156.05.CB	203	03.8312.40A	371	03.8354.14BDA	387	03.8378.14ANI	403	03.8514.18	40	03.8616.40A	450
03.8156.05.DA	55	03.8312.40ACB	371	03.8354.40A	387	03.8378.14BDA	403	03.8514.GN	40	03.8616.EQA	450
03.8156.05.DA	203	03.8312.40ANI	371	03.8354.40ACB	387	03.8378.40A	403	03.8514.GO	40	03.8616.ERA	450
03.8156.14	55	03.8312.40BDA	371	03.8354.40ANI	387	03.8378.40ACB	403	03.8514.M5	40	03.8616.ESA	450
03.8156.14	203	03.8313.14A	371	03.8354.40BDA	387	03.8378.40ANI	403	03.8520.14	40	03.8617.14A	451
03.8156.14.1V	55	03.8313.14ACB	371	03.8355.14A	387	03.8378.40BDA	403	03.8520.18	40	03.8617.40A	451
03.8156.14.1V	203	03.8313.14ANI	371	03.8355.14ACB	387	03.8379.14A	403	03.8520.GN	40	03.8617.EQA	451
03.8156.14.CB	55	03.8313.14BDA	371	03.8355.14ANI	387	03.8379.14ACB	403	03.8520.GO	40	03.8617.ERA	451
03.8156.14.CB	203	03.8313.40A	371	03.8355.14BDA	387	03.8379.14ANI	403	03.8520.M5	40	03.8617.ESA	451
03.8156.14.DA	55	03.8313.40ACB	371	03.8355.40A	387	03.8379.14BDA	403	03.8521.14	40	03.8618.14A	451
03.8156.14.DA	203	03.8313.40ANI	371	03.8355.40ACB	387	03.8379.40A	403	03.8521.18	40	03.8618.40A	451
03.8156.40	55	03.8313.40BDA	371	03.8355.40ANI	387	03.8379.40ACB	403	03.8521.GN	40	03.8618.EQA	451
03.8156.40	203	03.8316.14A	379	03.8355.40BDA	387	03.8379.40ANI	403	03.8521.GO	40	03.8618.ERA	451
03.8156.40.1V	55	03.8316.14ACB	379	03.8358.14A	391	03.8379.40BDA	403	03.8521.M5	40	03.8618.ESA	451
03.8156.40.1V	203	03.8316.14ANI	379	03.8358.14ACB	391	03.8500.14.1V	39	03.8522.14	40	03.8630.14A	452
03.8156.40.CB	55	03.8316.14BDA	379	03.8358.14ANI	391	03.8500.14.CB	39	03.8522.18	40	03.8630.40B	452
03.8156.40.CB	203	03.8316.40A	379	03.8358.14BDA	391	03.8500.14.DA	39	03.8522.GN	40	03.8630.EQA	452
03.8156.40.DA	55	03.8316.40ACB	379	03.8358.40A	391	03.8500.18.1V	39	03.8522.GO	40	03.8630.ERA	452
03.8156.40.DA	203	03.8316.40ANI	379	03.8358.40ACB	391	03.8500.18.CB	39	03.8522.M5	40	03.8630.ESA	452
03.8157.05	55	03.8316.40BDA	379	03.8358.40ANI	391	03.8500.18.DA	39	03.8600.14A	450	03.8631.14A	452
03.8157.05	203	03.8317.14A	379	03.8358.40BDA	391	03.8500.GN.1V	39	03.8600.40B	450	03.8631.40B	452
03.8157.05.1V	55	03.8317.14ACB	379	03.8359.14A	391	03.8500.GN.CB	39	03.8600.EQA	450	03.8631.EQA	452
03.8157.05.1V	203	03.8317.14ANI	379	03.8359.14ACB	391	03.8500.GN.DA	39	03.8600.ERA	450	03.8631.ERA	452
03.8157.05.CB	55	03.8317.14BDA	379	03.8359.14ANI	391	03.8500.GO.1V	39	03.8600.ESA	450	03.8631.ESA	452
03.8157.05.CB	203	03.8317.40A	379	03.8359.14BDA	391	03.8500.GO.CB	39	03.8601.14A	451	03.8633.14A	452
03.8157.05.DA	55	03.8317.40ACB	379	03.8359.40A	391	03.8500.GO.DA	39	03.8601.40B	451	03.8633.40A	452
03.8157.05.DA	203	03.8317.40ANI	379	03.8359.40ACB	391	03.8500.M5.1V	39	03.8601.EQA	451	03.8633.EQA	452
03.8157.14	55	03.8317.40BDA	379	03.8359.40ANI	391	03.8500.M5.CB	39	03.8601.ERA	451	03.8633.ERA	452
03.8157.14	203	03.8320.14A	379	03.8359.40BDA	391	03.8500.M5.DA	39	03.8601.ESA	451	03.8633.ESA	452
03.8157.14.1V	55	03.8320.14ACB	379	03.8362.14A	391	03.8501.14.1V	39	03.8602.14A	451	03.8635.14A	452
03.8157.14.1V	203	03.8320.14ANI	379	03.8362.14ACB	391	03.8501.14.CB	39	03.8602.40B	451	03.8635.40B	452
03.8157.14.CB	55	03.8320.14BDA	379	03.8362.14ANI	391	03.8501.14.DA	39	03.8602.EQA	451	03.8635.EQA	452
03.8157.14.CB	203	03.8320.40A	379	03.8362.14BDA	391	03.8501.18.1V	39	03.8602.ERA	451	03.8635.ERA	452
03.8157.14.DA	55	03.8320.40ACB	379	03.8362.40A	391	03.8501.18.CB	39	03.8602.ESA	451	03.8635.ESA	452
03.8157.14.DA	203	03.8320.40ANI	379	03.8362.40ACB	391	03.8501.18.DA	39	03.8603.14A	450	03.8636.14A	452
03.8157.40	55	03.8320.40BDA	379	03.8362.40ANI	391	03.8501.GN.1V	39	03.8603.40B	450	03.8636.40B	452
03.8157.40	203	03.8321.14A	379	03.8362.40BDA	391	03.8501.GN.CB	39	03.8603.EQA	450	03.8636.EQA	452
03.8157.40.1V	55	03.8321.14ACB	379	03.8363.14A	391	03.8501.GN.DA	39	03.8603.ERA	450	03.8636.ERA	452
03.8157.40.1V	203	03.8321.14ANI	379	03.8363.14ACB	391	03.8501.GO.1V	39	03.8603.ESA	450	03.8636.ESA	452
03.8157.40.CB	55	03.8321.14BDA	379	03.8363.14ANI	391	03.8501.GO.CB	39	03.8604.14A	451	03.8637.14A	452
03.8157.40.CB	203	03.8321.40A	379	03.8363.14BDA	391	03.8501.GO.DA	39	03.8604.40B	451	03.8637.40A	452
03.8157.40.DA	55	03.8321.40ACB	379	03.8363.40A	391	03.8501.M5.1V	39	03.8604.EQA	451	03.8637.EQA	452
03.8157.40.DA	203	03.8321.40ANI	379	03.8363.40ACB	391	03.8501.M5.CB	39	03.8604.ERA	451	03.8637.ERA	452
03.8300.14A	367	03.8321.40BDA	379	03.8363.40ANI	391	03.8501.M5.DA	39	03.8604.ESA	451	03.8637.ESA	452
03.8300.14ACB	367	03.8324.14A	383	03.8363.40BDA	391	03.8505.14.1V	39	03.8605.14A	451	03.8640.14A	450
03.8300.14ANI	367	03.8324.14ACB	383	03.8366.14A	399	03.8505.14.CB	39	03.8605.40B	451	03.8640.40B	450
03.8300.14BDA	367	03.8324.14ANI	383	03.8366.14ACB	399	03.8505.14.DA	39	03.8605.EQA	451	03.8640.EQA	450
03.8300.40A	367	03.8324.14BDA	383	03.8366.14ANI	399	03.8505.18.1V	39	03.8605.ERA	451	03.8640.ERA	450
03.8300.40ACB	367	03.8324.40A	383	03.8366.14BDA	399	03.8505.18.CB	39	03.8605.ESA	451	03.8640.ESA	450
03.8300.40ANI	367	03.8324.40ACB	383	03.8366.40A	399	03.8505.18.DA	39	03.8606.14A	450	03.8641.14A	451
03.8300.40BDA	367	03.8324.40ANI	383	03.8366.40ACB	399	03.8505.GN.1V	39	03.8606.40A	450	03.8641.40B	451
03.8301.14A	367	03.8324.40BDA	383	03.8366.40ANI	399	03.8505.GN.CB	39	03.8606.EQA	450	03.8641.EQA	451
03.8301.14ACB	367	03.8325.14A	383	03.8366.40BDA	399	03.8505.GN.DA	39	03.8606.ERA	450	03.8641.ERA	451
03.8301.14ANI	367	03.8325.14ACB	383	03.8367.14A	399	03.8505.GO.1V	39	03.8606.ESA	450	03.8641.ESA	451
03.8301.14BDA	367	03.8325.14ANI	383	03.8367.14ACB	399	03.8505.GO.CB	39	03.8607.14A	451	03.8642.14A	451
03.8301.40A	367	03.8325.14BDA	383	03.8367.14ANI	399	03.8505.GO.DA	39	03.8607.40A	451	03.8642.40B	451
03.8301.40ACB	367	03.8325.40A	383	03.8367.14BDA	399	03.8505.M5.1V	39	03.8607.EQA	451	03.8642.EQA	451
03.8301.40ANI	367	03.8325.40ACB	383	03.8367.40A	399	03.8505.M5.CB	39	03.8607.ERA	451	03.8642.ERA	451
03.8301.40BDA	367	03.8325.40ANI	383	03.8367.40ACB	399	03.8505.M5.DA	39	03.8607.ESA	451	03.8642.ESA	451
03.8304.14A	367	03.8325.40BDA	383	03.8367.40ANI	399	03.8506.14.1V	39	03.8608.14A	451	03.8643.14A	450
03.8304.14ACB	367	03.8328.14A	383	03.8367.40BDA	399	03.8506.14.CB	39	03.8608.40A	451	03.8643.40B	450
03.8304.14ANI	367	03.8328.14ACB	383	03.8370.14A	399	03.8506.14.DA	39	03.8608.EQA	451	03.8643.EQA	450
03.8304.14BDA	367	03.8328.14ANI	383	03.8370.14ACB	399	03.8506.18.1V	39	03.8608.ERA	451	03.8643.ERA	450
03.8304.40A	367	03.8328.14BDA	383	03.8370.14ANI	399	03.8506.18.CB	39	03.8608.ESA	451	03.8643.ESA	450
03.8304.40ACB	367	03.8328.40A	383	03.8370.14BDA	399	03.8506.18.DA	39	03.8610.14A	450	03.8644.14A	451
03.8304.40ANI	367	03.8328.40ACB	383	03.8370.40A	399	03.8506.GN.1V	39	03.8610.40B	450	03.8644.40B	451
03.8304.40BDA	367	03.8328.40ANI	383	03.8370.40ACB	399	03.8506.GN.CB	39	03.8610.EQA	450	03.8644.EQA	451
03.8305.14A	367	03.8328.40BDA	383	03.8370.40ANI	399	03.8506.GN.DA	39	03.8610.ERA	450	03.8644.ERA	451
03.8305.14ACB	367	03.8329.14A	383	03.8370.40BDA	399	03.8506.GO.1V	39	03.8610.ESA	450	03.8644.ESA	451
03.8305.14ANI	367	03.8329.14ACB	383	03.8371.14A	399	03.8506.GO.CB	39	03.8611.14A	451	03.8645.14A	451
03.8305.14BDA	367	03.8329.14ANI	383	03.8371.14ACB	399	03.8506.GO.DA	39	03.8611.40B	451	03.8645.40B	451
03.8305.40A	367	03.8329.14BDA	383	03.8371.14ANI	399	03.8506.M5.1V	39	03.8611.EQA	451	03.8645.EQA	451
03.8305.40ACB	367	03.8329.40A	383	03.8371.14BDA	399	03.8506.M5.CB	39	03.8611.ERA	451	03.8645.ERA	451
03.8305.40ANI	367	03.8329.40ACB	383	03.8371.40A	399	03.8506.M5.DA	39	03.8611.ESA	451	03.8645.ESA	451
03.8305.40BDA	367	03.8329.40ANI	383	03.8371.40ACB	399	03.8510.14	40	03.8612.14A	451	03.8646.14A	452
03.8308.14A	371	03.8329.40BDA	383	03.8371.40ANI	399	03.8510.18	40	03.8612.40B	451	03.8646.40B	452
03.8308.14ACB	371	03.8350.14A	387	03.8371.40BDA	399	03.8510.GN	40	03.8612.EQA	451	03.8646.EQA	452
03.8308.14ANI	371	03.8350.14ACB	387	03.8374.14A	403	03.8510.GO	40	03.8612.ERA	451	03.8646.ERA	452
03.8308.14BDA	371	03.8350.14ANI	387	03.8374.14ACB	403	03.8510.M5	40	03.8612.ESA	451	03.8646.ESA	452
03.8308.40A	371	03.8350.14BDA	387	03.8374.14ANI	403	03.8511.14	40	03.8613.14A	450	03.8647.14A	452
03.8308.40ACB	371	03.8350.40A	387	03.8374.14BDA	403	03.8511.18	40	03.8613.40B	450	03.8647.40B	452

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03.8647.EQA	452	03.8837.14A	376	03.8860.40BDA	388	03.8884.40ANI	404	03.8908.40ACB	416	03.8932.40A	428
03.8647.ERA	452	03.8837.14ACB	376	03.8861.14A	388	03.8884.40BDA	404	03.8908.40ANI	416	03.8932.40ACB	428
03.8647.ESA	452	03.8837.14ANI	376	03.8861.14ACB	388	03.8885.14A	404	03.8908.40BDA	416	03.8932.40ANI	428
03.8671.14A	450	03.8837.14BDA	376	03.8861.14ANI	388	03.8885.14ACB	404	03.8909.14A	416	03.8932.40BDA	428
03.8671.40A	450	03.8837.40A	376	03.8861.14BDA	388	03.8885.14ANI	404	03.8909.14ACB	416	03.8933.14A	428
03.8671.EQA	450	03.8837.40ACB	376	03.8861.40A	388	03.8885.14BDA	404	03.8909.14ANI	416	03.8933.14ACB	428
03.8671.ERA	450	03.8837.40ANI	376	03.8861.40ACB	388	03.8885.40A	404	03.8909.14BDA	416	03.8933.14ANI	428
03.8671.ESA	450	03.8837.40BDA	376	03.8861.40ANI	388	03.8885.40ACB	404	03.8909.40A	416	03.8933.14BDA	428
03.8672.14A	451	03.8840.14A	376	03.8861.40BDA	388	03.8885.40ANI	404	03.8909.40ACB	416	03.8933.40A	428
03.8672.40A	451	03.8840.14ACB	376	03.8864.14A	388	03.8885.40BDA	404	03.8909.40ANI	416	03.8933.40ACB	428
03.8672.EQA	451	03.8840.14ANI	376	03.8864.14ACB	388	03.8888.14A	404	03.8909.40BDA	416	03.8933.40ANI	428
03.8672.ERA	451	03.8840.14BDA	376	03.8864.14ANI	388	03.8888.14ACB	404	03.8912.14A	416	03.8933.40BDA	428
03.8672.ESA	451	03.8840.40A	376	03.8864.14BDA	388	03.8888.14ANI	404	03.8912.14ACB	416	03.8936.14A	428
03.8673.14A	451	03.8840.40ACB	376	03.8864.40A	388	03.8888.14BDA	404	03.8912.14ANI	416	03.8936.14ACB	428
03.8673.40A	451	03.8840.40ANI	376	03.8864.40ACB	388	03.8888.40A	404	03.8912.14BDA	416	03.8936.14ANI	428
03.8673.EQA	451	03.8840.40BDA	376	03.8864.40ANI	388	03.8888.40ACB	404	03.8912.40A	416	03.8936.14BDA	428
03.8673.ERA	451	03.8841.14A	376	03.8864.40BDA	388	03.8888.40ANI	404	03.8912.40ACB	416	03.8936.40A	428
03.8673.ESA	451	03.8841.14ACB	376	03.8865.14A	388	03.8888.40BDA	404	03.8912.40ANI	416	03.8936.40ACB	428
03.8674.14A	452	03.8841.14ANI	376	03.8865.14ACB	388	03.8889.14A	404	03.8912.40BDA	416	03.8936.40ANI	428
03.8674.40A	452	03.8841.14BDA	376	03.8865.14ANI	388	03.8889.14ACB	404	03.8913.14A	416	03.8936.40BDA	428
03.8674.EQA	452	03.8841.40A	376	03.8865.14BDA	388	03.8889.14ANI	404	03.8913.14ACB	416	03.8937.14A	428
03.8674.ERA	452	03.8841.40ACB	376	03.8865.40A	388	03.8889.14BDA	404	03.8913.14ANI	416	03.8937.14ACB	428
03.8674.ESA	452	03.8841.40ANI	376	03.8865.40ACB	388	03.8889.40A	404	03.8913.14BDA	416	03.8937.14ANI	428
03.8820.14A	364	03.8841.40BDA	376	03.8865.40ANI	388	03.8889.40ACB	404	03.8913.40A	416	03.8937.14BDA	428
03.8820.14ACB	364	03.8844.14A	380	03.8865.40BDA	388	03.8889.40ANI	404	03.8913.40ACB	416	03.8937.40A	428
03.8820.14ANI	364	03.8844.14ACB	380	03.8868.14A	396	03.8889.40BDA	404	03.8913.40ANI	416	03.8937.40ACB	428
03.8820.14BDA	364	03.8844.14ANI	380	03.8868.14ACB	396	03.8892.14A	408	03.8913.40BDA	416	03.8937.40ANI	428
03.8820.40A	364	03.8844.14BDA	380	03.8868.14ANI	396	03.8892.14ACB	408	03.8916.14A	420	03.8937.40BDA	428
03.8820.40ACB	364	03.8844.40A	380	03.8868.14BDA	396	03.8892.14ANI	408	03.8916.14ACB	420	03.8940.14A	432
03.8820.40ANI	364	03.8844.40ACB	380	03.8868.40A	396	03.8892.14BDA	408	03.8916.14ANI	420	03.8940.14ACB	432
03.8820.40BDA	364	03.8844.40ANI	380	03.8868.40ACB	396	03.8892.40A	408	03.8916.14BDA	420	03.8940.14ANI	432
03.8821.14A	364	03.8844.40BDA	380	03.8868.40ANI	396	03.8892.40ACB	408	03.8916.40A	420	03.8940.14BDA	432
03.8821.14ACB	364	03.8845.14A	380	03.8868.40BDA	396	03.8892.40ANI	408	03.8916.40ACB	420	03.8940.40A	432
03.8821.14ANI	364	03.8845.14ACB	380	03.8869.14A	396	03.8892.40BDA	408	03.8916.40ANI	420	03.8940.40ACB	432
03.8821.14BDA	364	03.8845.14ANI	380	03.8869.14ACB	396	03.8893.14A	408	03.8916.40BDA	420	03.8940.40ANI	432
03.8821.40A	364	03.8845.14BDA	380	03.8869.14ANI	396	03.8893.14ACB	408	03.8917.14A	420	03.8940.40BDA	432
03.8821.40ACB	364	03.8845.40A	380	03.8869.14BDA	396	03.8893.14ANI	408	03.8917.14ACB	420	03.8941.14A	432
03.8821.40ANI	364	03.8845.40ACB	380	03.8869.40A	396	03.8893.14BDA	408	03.8917.14ANI	420	03.8941.14ACB	432
03.8821.40BDA	364	03.8845.40ANI	380	03.8869.40ACB	396	03.8893.40A	408	03.8917.14BDA	420	03.8941.14ANI	432
03.8824.14A	364	03.8845.40BDA	380	03.8869.40ANI	396	03.8893.40ACB	408	03.8917.40A	420	03.8941.14BDA	432
03.8824.14ACB	364	03.8848.14A	380	03.8869.40BDA	396	03.8893.40ANI	408	03.8917.40ACB	420	03.8941.40A	432
03.8824.14ANI	364	03.8848.14ACB	380	03.8872.14A	396	03.8893.40BDA	408	03.8917.40ANI	420	03.8941.40ACB	432
03.8824.14BDA	364	03.8848.14ANI	380	03.8872.14ACB	396	03.8896.14A	408	03.8917.40BDA	420	03.8941.40ANI	432
03.8824.40A	364	03.8848.14BDA	380	03.8872.14ANI	396	03.8896.14ACB	408	03.8920.14A	420	03.8941.40BDA	432
03.8824.40ACB	364	03.8848.40A	380	03.8872.14BDA	396	03.8896.14ANI	408	03.8920.14ACB	420	03.8944.14A	432
03.8824.40ANI	364	03.8848.40ACB	380	03.8872.40A	396	03.8896.14BDA	408	03.8920.14ANI	420	03.8944.14ACB	432
03.8824.40BDA	364	03.8848.40ANI	380	03.8872.40ACB	396	03.8896.40A	408	03.8920.14BDA	420	03.8944.14ANI	432
03.8825.14A	364	03.8848.40BDA	380	03.8872.40ANI	396	03.8896.40ACB	408	03.8920.40A	420	03.8944.14BDA	432
03.8825.14ACB	364	03.8849.14A	380	03.8872.40BDA	396	03.8896.40ANI	408	03.8920.40ACB	420	03.8944.40A	432
03.8825.14ANI	364	03.8849.14ACB	380	03.8873.14A	396	03.8896.40BDA	408	03.8920.40ANI	420	03.8944.40ACB	432
03.8825.14BDA	364	03.8849.14ANI	380	03.8873.14ACB	396	03.8897.14A	408	03.8920.40BDA	420	03.8944.40ANI	432
03.8825.40A	364	03.8849.14BDA	380	03.8873.14ANI	396	03.8897.14ACB	408	03.8921.14A	420	03.8944.40BDA	432
03.8825.40ACB	364	03.8849.40A	380	03.8873.14BDA	396	03.8897.14ANI	408	03.8921.14ACB	420	03.8945.14A	432
03.8825.40ANI	364	03.8849.40ACB	380	03.8873.40A	396	03.8897.14BDA	408	03.8921.14ANI	420	03.8945.14ACB	432
03.8825.40BDA	364	03.8849.40ANI	380	03.8873.40ACB	396	03.8897.40A	408	03.8921.14BDA	420	03.8945.14ANI	432
03.8828.14A	368	03.8849.40BDA	380	03.8873.40ANI	396	03.8897.40ACB	408	03.8921.40A	420	03.8945.14BDA	432
03.8828.14ACB	368	03.8852.14A	384	03.8873.40BDA	396	03.8897.40ANI	408	03.8921.40ACB	420	03.8945.40A	432
03.8828.14ANI	368	03.8852.14ACB	384	03.8876.14A	400	03.8897.40BDA	408	03.8921.40ANI	420	03.8945.40ACB	432
03.8828.14BDA	368	03.8852.14ANI	384	03.8876.14ACB	400	03.8900.14A	412	03.8921.40BDA	420	03.8945.40ANI	432
03.8828.40A	368	03.8852.14BDA	384	03.8876.14ANI	400	03.8900.14ACB	412	03.8924.14A	424	03.8945.40BDA	432
03.8828.40ACB	368	03.8852.40A	384	03.8876.14BDA	400	03.8900.14ANI	412	03.8924.14ACB	424	03.8948.14A	174
03.8828.40ANI	368	03.8852.40ACB	384	03.8876.40A	400	03.8900.14BDA	412	03.8924.14ANI	424	03.8948.14ACB	174
03.8828.40BDA	368	03.8852.40ANI	384	03.8876.40ACB	400	03.8900.40A	412	03.8924.14BDA	424	03.8948.14BDA	174
03.8829.14A	368	03.8852.40BDA	384	03.8876.40ANI	400	03.8900.40ACB	412	03.8924.40A	424	03.8948.40A	174
03.8829.14ACB	368	03.8853.14A	384	03.8876.40BDA	400	03.8900.40ANI	412	03.8924.40ACB	424	03.8948.40ACB	174
03.8829.14ANI	368	03.8853.14ACB	384	03.8877.14A	400	03.8900.40BDA	412	03.8924.40ANI	424	03.8948.40BDA	174
03.8829.14BDA	368	03.8853.14ANI	384	03.8877.14ACB	400	03.8901.14A	412	03.8924.40BDA	424	03.8949.14A	174
03.8829.40A	368	03.8853.14BDA	384	03.8877.14ANI	400	03.8901.14ACB	412	03.8925.14A	424	03.8949.14ACB	174
03.8829.40ACB	368	03.8853.40A	384	03.8877.14BDA	400	03.8901.14ANI	412	03.8925.14ACB	424	03.8949.14BDA	174
03.8829.40ANI	368	03.8853.40ACB	384	03.8877.40A	400	03.8901.14BDA	412	03.8925.14ANI	424	03.8949.40A	174
03.8829.40BDA	368	03.8853.40ANI	384	03.8877.40ACB	400	03.8901.40A	412	03.8925.14BDA	424	03.8949.40ACB	174
03.8832.14A	368	03.8853.40BDA	384	03.8877.40ANI	400	03.8901.40ACB	412	03.8925.40A	424	03.8949.40BDA	174
03.8832.14ACB	368	03.8856.14A	384	03.8877.40BDA	400	03.8901.40ANI	412	03.8925.40ACB	424	03.8952.14A	174
03.8832.14ANI	368	03.8856.14ACB	384	03.8880.14A	400	03.8901.40BDA	412	03.8925.40ANI	424	03.8952.14ACB	174
03.8832.14BDA	368	03.8856.14ANI	384	03.8880.14ACB	400	03.8904.14A	412	03.8925.40BDA	424	03.8952.14BDA	174
03.8832.40A	368	03.8856.14BDA	384	03.8880.14ANI	400	03.8904.14ACB	412	03.8928.14A	424	03.8952.40A	174
03.8832.40ACB	368	03.8856.40A	384	03.8880.14BDA	400	03.8904.14ANI	412	03.8928.14ACB	424	03.8952.40ACB	174
03.8832.40ANI	368	03.8856.40ACB	384	03.8880.40A	400	03.8904.14BDA	412	03.8928.14ANI	424	03.8952.40BDA	174
03.8832.40BDA	368	03.8856.40ANI	384	03.8880.40ACB	400	03.8904.40A	412	03.8928.14BDA	424	03.8953.14A	174
03.8833.14A	368	03.8856.40BDA	384	03.8880.40ANI	400	03.8904.40ACB	412	03.8928.40A	424	03.8953.14ACB	174
03.8833.14ACB	368	03.8857.14A	384	03.8880.40BDA	400	03.8904.40ANI	412	03.8928.40ACB	424	03.8953.14BDA	174
03.8833.14ANI	368	03.8857.14ACB	384	03.8881.14A	400	03.8904.40BDA	412	03.8928.40ANI	424	03.8953.40A	174
03.8833.14BDA	368	03.8857.14ANI	384	03.8881.14ACB	400	03.8905.14A	412	03.8928.40BDA	424	03.8953.40ACB	174
03.8833.40A	368	03.8857.14BDA	384	03.8881.14ANI	400	03.8905.14ACB	412	03.8929.14A	424	03.8953.40BDA	174
03.8833.40ACB	368	03.8857.40A	384	03.8881.14BDA	400	03.8905.14ANI	412	03.8929.14ACB	424	03.8956.14A	438
03.8833.40ANI	368	03.8857.40ACB	384	03.8881.40A	400	03.8905.14BDA	412	03.8929.14ANI	424	03.8956.14ADA	438
03.8833.40BDA	368	03.8857.40ANI	384	03.8881.40ACB	400	03.8905.40A	412	03.8929.14BDA	424	03.8956.40A	438
03.8836.14A	376	03.8857.40BDA	384	03.8881.40ANI	400	03.8905.40ACB	412	03.8929.40A	424	03.8956.40ADA	438
03.8836.14ACB	376	03.8860.14A	388	03.8881.40BDA	400	03.8905.40ANI	412	03.8929.40ACB	424	03.8957.14A	438
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03.9315.40ANI	406	03.9345.40ACB	414	03.9375.40A	418	03.9425.14BDA	426	03.9455.14ANI	430	03.9503.40	698
03.9315.40BDA	406	03.9345.40ANI	414	03.9375.40ACB	418	03.9425.40A	426	03.9455.14BDA	430	03.9503.ET	698
03.9316.14A	406	03.9345.40BDA	414	03.9375.40ANI	418	03.9425.40ACB	426	03.9455.40A	430	03.9503.EU	698
03.9316.14ACB	406	03.9346.14A	414	03.9375.40BDA	418	03.9425.40ANI	426	03.9455.40ACB	430	03.9510.02	698
03.9316.14ANI	406	03.9346.14ACB	414	03.9376.14A	418	03.9425.40BDA	426	03.9455.40ANI	430	03.9510.14	698
03.9316.14BDA	406	03.9346.14ANI	414	03.9376.14ACB	418	03.9426.14A	426	03.9455.40BDA	430	03.9510.40	698
03.9316.40A	406	03.9346.14BDA	414	03.9376.14ANI	418	03.9426.14ACB	426	03.9456.14A	430	03.9510.ET	698
03.9316.40ACB	406	03.9346.40A	414	03.9376.14BDA	418	03.9426.14ANI	426	03.9456.14ACB	430	03.9510.EU	698
03.9316.40ANI	406	03.9346.40ACB	414	03.9376.40A	418	03.9426.14BDA	426	03.9456.14ANI	430	03.9511.02	698
03.9316.40BDA	406	03.9346.40ANI	414	03.9376.40ACB	418	03.9426.40A	426	03.9456.14BDA	430	03.9511.14	698
03.9320.14A	409	03.9346.40BDA	414	03.9376.40ANI	418	03.9426.40ACB	426	03.9456.40A	430	03.9511.40	698
03.9320.14ACB	409	03.9350.14A	413	03.9376.40BDA	418	03.9426.40ANI	426	03.9456.40ACB	430	03.9511.ET	698
03.9320.14ANI	409	03.9350.14ACB	413	03.9400.14A	421	03.9426.40BDA	426	03.9456.40ANI	430	03.9511.EU	698
03.9320.14BDA	409	03.9350.14ANI	413	03.9400.14ACB	421	03.9430.14A	425	03.9456.40BDA	430	03.9560.02	699
03.9320.40A	409	03.9350.14BDA	413	03.9400.14ANI	421	03.9430.14ACB	425	03.9460.14A	433	03.9560.14	699
03.9320.40ACB	409	03.9350.40A	413	03.9400.14BDA	421	03.9430.14ANI	425	03.9460.14ACB	433	03.9560.40	699
03.9320.40ANI	409	03.9350.40ACB	413	03.9400.40A	421	03.9430.14BDA	425	03.9460.14ANI	433	03.9560.ET	699
03.9320.40BDA	409	03.9350.40ANI	413	03.9400.40ACB	421	03.9430.40A	425	03.9460.14BDA	433	03.9560.EU	699
03.9321.14A	409	03.9350.40BDA	413	03.9400.40ANI	421	03.9430.40ACB	425	03.9460.40A	433	03.9561.02	699
03.9321.14ACB	409	03.9351.14A	413	03.9400.40BDA	421	03.9430.40ANI	425	03.9460.40ACB	433	03.9561.14	699
03.9321.14ANI	409	03.9351.14ACB	413	03.9401.14A	421	03.9430.40BDA	425	03.9460.40ANI	433	03.9561.40	699
03.9321.14BDA	409	03.9351.14ANI	413	03.9401.14ACB	421	03.9431.14A	425	03.9460.40BDA	433	03.9561.ET	699
03.9321.40A	409	03.9351.14BDA	413	03.9401.14ANI	421	03.9431.14ACB	425	03.9461.14A	433	03.9561.EU	699
03.9321.40ACB	409	03.9351.40A	413	03.9401.14BDA	421	03.9431.14ANI	425	03.9461.14ACB	433	03.9570.02	699
03.9321.40ANI	409	03.9351.40ACB	413	03.9401.40A	421	03.9431.14BDA	425	03.9461.14ANI	433	03.9570.14	699
03.9321.40BDA	409	03.9351.40ANI	413	03.9401.40ACB	421	03.9431.40A	425	03.9461.14BDA	433	03.9570.40	699
03.9325.14A	410	03.9351.40BDA	413	03.9401.40ANI	421	03.9431.40ACB	425	03.9461.40A	433	03.9570.ET	699
03.9325.14ACB	410	03.9355.14A	414	03.9401.40BDA	421	03.9431.40ANI	425	03.9461.40ACB	433	03.9570.EU	699
03.9325.14ANI	410	03.9355.14ACB	414	03.9405.14A	422	03.9431.40BDA	425	03.9461.40ANI	433	03.9571.02	699
03.9325.14BDA	410	03.9355.14ANI	414	03.9405.14ACB	422	03.9435.14A	426	03.9461.40BDA	433	03.9571.14	699
03.9325.40A	410	03.9355.14BDA	414	03.9405.14ANI	422	03.9435.14ACB	426	03.9465.14A	434	03.9571.40	699
03.9325.40ACB	410	03.9355.40A	414	03.9405.14BDA	422	03.9435.14ANI	426	03.9465.14ACB	434	03.9571.ET	699
03.9325.40ANI	410	03.9355.40ACB	414	03.9405.40A	422	03.9435.14BDA	426	03.9465.14ANI	434	03.9571.EU	699
03.9325.40BDA	410	03.9355.40ANI	414	03.9405.40ACB	422	03.9435.40A	426	03.9465.14BDA	434	03.9620.14A	175
03.9326.14A	410	03.9355.40BDA	414	03.9405.40ANI	422	03.9435.40ACB	426	03.9465.40A	434	03.9620.14ACB	175
03.9326.14ACB	410	03.9356.14A	414	03.9405.40BDA	422	03.9435.40ANI	426	03.9465.40ACB	434	03.9620.14BDA	175
03.9326.14ANI	410	03.9356.14ACB	414	03.9406.14A	422	03.9435.40BDA	426	03.9465.40ANI	434	03.9620.40A	175
03.9326.14BDA	410	03.9356.14ANI	414	03.9406.14ACB	422	03.9436.14A	426	03.9465.40BDA	434	03.9620.40ACB	175
03.9326.40A	410	03.9356.14BDA	414	03.9406.14ANI	422	03.9436.14ACB	426	03.9466.14A	434	03.9620.40BDA	175
03.9326.40ACB	410	03.9356.40A	414	03.9406.14BDA	422	03.9436.14ANI	426	03.9466.14ACB	434	03.9621.14A	175
03.9326.40ANI	410	03.9356.40ACB	414	03.9406.40A	422	03.9436.14BDA	426	03.9466.14ANI	434	03.9621.14ACB	175
03.9326.40BDA	410	03.9356.40ANI	414	03.9406.40ACB	422	03.9436.40A	426	03.9466.14BDA	434	03.9621.14BDA	175
03.9330.14A	409	03.9356.40BDA	414	03.9406.40ANI	422	03.9436.40ACB	426	03.9466.40A	434	03.9621.40A	175
03.9330.14ACB	409	03.9360.14A	417	03.9406.40BDA	422	03.9436.40ANI	426	03.9466.40ACB	434	03.9621.40ACB	175
03.9330.14ANI	409	03.9360.14ACB	417	03.9410.14A	421	03.9436.40BDA	426	03.9466.40ANI	434	03.9621.40BDA	175
03.9330.14BDA	409	03.9360.14ANI	417	03.9410.14ACB	421	03.9440.14A	429	03.9466.40BDA	434	03.9625.14A	176
03.9330.40A	409	03.9360.14BDA	417	03.9410.14ANI	421	03.9440.14ACB	429	03.9470.14A	433	03.9625.14ACB	176
03.9330.40ACB	409	03.9360.40A	417	03.9410.14BDA	421	03.9440.14ANI	429	03.9470.14ACB	433	03.9625.14BDA	176
03.9330.40ANI	409	03.9360.40ACB	417	03.9410.40A	421	03.9440.14BDA	429	03.9470.14ANI	433	03.9625.40A	176
03.9330.40BDA	409	03.9360.40ANI	417	03.9410.40ACB	421	03.9440.40A	429	03.9470.14BDA	433	03.9625.40ACB	176
03.9331.14A	409	03.9360.40BDA	417	03.9410.40ANI	421	03.9440.40ACB	429	03.9470.40A	433	03.9625.40BDA	176
03.9331.14ACB	409	03.9361.14A	417	03.9410.40BDA	421	03.9440.40ANI	429	03.9470.40ACB	433	03.9626.14A	176
03.9331.14ANI	409	03.9361.14ACB	417	03.9411.14A	421	03.9440.40BDA	429	03.9470.40ANI	433	03.9626.14ACB	176
03.9331.14BDA	409	03.9361.14ANI	417	03.9411.14ACB	421	03.9441.14A	429	03.9470.40BDA	433	03.9626.14BDA	176
03.9331.40A	409	03.9361.14BDA	417	03.9411.14ANI	421	03.9441.14ACB	429	03.9471.14A	433	03.9626.40A	176
03.9331.40ACB	409	03.9361.40A	417	03.9411.14BDA	421	03.9441.14ANI	429	03.9471.14ACB	433	03.9626.40ACB	176
03.9331.40ANI	409	03.9361.40ACB	417	03.9411.40A	421	03.9441.14BDA	429	03.9471.14ANI	433	03.9626.40BDA	176
03.9331.40BDA	409	03.9361.40ANI	417	03.9411.40ACB	421	03.9441.40A	429	03.9471.14BDA	433	03.9630.14A	175
03.9335.14A	410	03.9361.40BDA	417	03.9411.40ANI	421	03.9441.40ACB	429	03.9471.40A	433	03.9630.14ACB	175
03.9335.14ACB	410	03.9365.14A	418	03.9411.40BDA	421	03.9441.40ANI	429	03.9471.40ACB	433	03.9630.14BDA	175
03.9335.14ANI	410	03.9365.14ACB	418	03.9415.14A	422	03.9441.40BDA	429	03.9471.40ANI	433	03.9630.40A	175
03.9335.14BDA	410	03.9365.14ANI	418	03.9415.14ACB	422	03.9445.14A	430	03.9471.40BDA	433	03.9630.40ACB	175
03.9335.40A	410	03.9365.14BDA	418	03.9415.14ANI	422	03.9445.14ACB	430	03.9475.14A	434	03.9630.40BDA	175
03.9335.40ACB	410	03.9365.40A	418	03.9415.14BDA	422	03.9445.14ANI	430	03.9475.14ACB	434	03.9631.14A	175
03.9335.40ANI	410	03.9365.40ACB	418	03.9415.40A	422	03.9445.14BDA	430	03.9475.14ANI	434	03.9631.14ACB	175
03.9335.40BDA	410	03.9365.40ANI	418	03.9415.40ACB	422	03.9445.40A	430	03.9475.14BDA	434	03.9631.14BDA	175
03.9336.14A	410	03.9365.40BDA	418	03.9415.40ANI	422	03.9445.40ACB	430	03.9475.40A	434	03.9631.40A	175
03.9336.14ACB	410	03.9366.14A	418	03.9415.40BDA	422	03.9445.40ANI	430	03.9475.40ACB	434	03.9631.40ACB	175
03.9336.14ANI	410	03.9366.14ACB	418	03.9416.14A	422	03.9445.40BDA	430	03.9475.40ANI	434	03.9631.40BDA	175
03.9336.14BDA	410	03.9366.14ANI	418	03.9416.14ACB	422	03.9446.14A	430	03.9475.40BDA	434	03.9635.14A	176
03.9336.40A	410	03.9366.14BDA	418	03.9416.14ANI	422	03.9446.14ACB	430	03.9476.14A	434	03.9635.14ACB	176
03.9336.40ACB	410	03.9366.40A	418	03.9416.14BDA	422	03.9446.14ANI	430	03.9476.14ACB	434	03.9635.14BDA	176
03.9336.40ANI	410	03.9366.40ACB	418	03.9416.40A	422	03.9446.14BDA	430	03.9476.14ANI	434	03.9635.40A	176
03.9336.40BDA	410	03.9366.40ANI	418	03.9416.40ACB	422	03.9446.40A	430	03.9476.14BDA	434	03.9635.40ACB	176
03.9340.14A	413	03.9366.40BDA	418	03.9416.40ANI	422	03.9446.40ACB	430	03.9476.40A	434	03.9635.40BDA	176
03.9340.14ACB	413	03.9370.14A	417	03.9416.40BDA	422	03.9446.40ANI	430	03.9476.40ACB	434	03.9636.14A	176
03.9340.14ANI	413	03.9370.14ACB	417	03.9420.14A	425	03.9446.40BDA	430	03.9476.40ANI	434	03.9636.14ACB	176
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03.9661.40ACB	177	03.9860.14ADA	441	03.9920.40A	476	03.9957.40A	470	03.9982.40A	478	05.0608.14.DA	372
03.9661.40BDA	177	03.9860.40A	441	03.9920.EQ	476	03.9957.EQ	470	03.9982.EQ	478	05.0608.14.NI	372
03.9664.14A	177	03.9860.40ADA	441	03.9920.ER	476	03.9957.ER	470	03.9982.ER	478	05.0608.40	372
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03.9664.40ACB	177	03.9861.40ADA	441	03.9921.EQ	476	03.9960.EQ	476	03.9983.EQ	478	05.0609.14	372
03.9664.40BDA	177	03.9864.14A	441	03.9921.ER	476	03.9960.ER	476	03.9983.ER	478	05.0609.14.CB	372
03.9665.14A	177	03.9864.14ADA	441	03.9921.ES	476	03.9960.ES	476	03.9983.ES	478	05.0609.14.DA	372
03.9665.14ACB	177	03.9864.40A	441	03.9922.14	476	03.9961.14	476	03.9985.14	478	05.0609.14.NI	372
03.9665.14BDA	177	03.9864.40ADA	441	03.9922.40A	476	03.9961.40A	476	03.9985.40A	478	05.0609.40	372
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03.9665.40ACB	177	03.9865.14ADA	441	03.9922.ER	476	03.9961.ER	476	03.9985.ER	478	05.0609.40.DA	372
03.9665.40BDA	177	03.9865.40A	441	03.9922.ES	476	03.9961.ES	476	03.9985.ES	478	05.0609.40.NI	372
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03.9720.40ADA	439	03.9890.EQ	479	03.9923.ER	477	03.9962.ER	476	03.9986.ER	478	05.0610.14.NI	373
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03.9725.14A	440	03.9891.EQ	479	03.9924.ER	476	03.9963.ER	477	03.9987.ER	478	05.0611.14	373
03.9725.14ADA	440	03.9891.ER	479	03.9924.ES	476	03.9963.ES	477	03.9987.ES	478	05.0611.14.CB	373
03.9725.40A	440	03.9891.ES	479	03.9931.14A	471	03.9964.14	476	03.9988.14	478	05.0611.14.DA	373
03.9725.40ADA	440	03.9892.14	479	03.9931.40B	471	03.9964.40A	476	03.9988.40A	478	05.0611.14.NI	373
03.9726.14A	440	03.9892.40	479	03.9931.EQA	471	03.9964.EQ	476	03.9988.EQ	478	05.0611.40	373
03.9726.14ADA	440	03.9892.EQ	479	03.9931.ERA	471	03.9964.ER	476	03.9988.ER	478	05.0611.40.CB	373
03.9726.40A	440	03.9892.ER	479	03.9931.ESA	471	03.9964.ES	476	03.9988.ES	478	05.0611.40.DA	373
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03.9730.14ADA	439	03.9900.14ACB	436	03.9932.EQA	471	03.9965.EQ	476	05.0600.14.DA	372	05.0612.14.CB	373
03.9730.40A	439	03.9900.14ANI	436	03.9932.ERA	471	03.9965.ER	476	05.0600.14.NI	372	05.0612.14.DA	373
03.9730.40ADA	439	03.9900.14BDA	436	03.9932.ESA	471	03.9965.ES	476	05.0600.40	372	05.0612.14.NI	373
03.9731.14A	439	03.9900.40A	436	03.9933.14A	471	03.9966.14	476	05.0600.40.CB	372	05.0612.40	373
03.9731.14ADA	439	03.9900.40ACB	436	03.9933.40B	471	03.9966.40A	476	05.0600.40.DA	372	05.0612.40.CB	373
03.9731.40A	439	03.9900.40ANI	436	03.9933.EQA	471	03.9966.EQ	476	05.0600.40.NI	372	05.0612.40.DA	373
03.9731.40ADA	439	03.9900.40BDA	436	03.9933.ERA	471	03.9966.ER	476	05.0601.14	372	05.0612.40.NI	373
03.9735.14A	440	03.9901.14A	436	03.9933.ESA	471	03.9966.ES	476	05.0601.14.CB	372	05.0613.14	373
03.9735.14ADA	440	03.9901.14ACB	436	03.9940.14	478	03.9967.14	477	05.0601.14.DA	372	05.0613.14.CB	373
03.9735.40A	440	03.9901.14ANI	436	03.9940.40A	478	03.9967.40A	477	05.0601.14.NI	372	05.0613.14.DA	373
03.9735.40ADA	440	03.9901.14BDA	436	03.9940.EQ	478	03.9967.EQ	477	05.0601.40	372	05.0613.14.NI	373
03.9736.14A	440	03.9901.40A	436	03.9940.ER	478	03.9967.ER	477	05.0601.40.CB	372	05.0613.40	373
03.9736.14ADA	440	03.9901.40ACB	436	03.9940.ES	478	03.9967.ES	477	05.0601.40.DA	372	05.0613.40.CB	373
03.9736.40A	440	03.9901.40ANI	436	03.9941.14	478	03.9968.14	476	05.0601.40.NI	372	05.0613.40.DA	373
03.9736.40ADA	440	03.9901.40BDA	436	03.9941.40A	478	03.9968.40A	476	05.0602.14	372	05.0613.40.NI	373
03.9760.14A	441	03.9902.14A	436	03.9941.EQ	478	03.9968.EQ	476	05.0602.14.CB	372	05.0614.14	373
03.9760.14ADA	441	03.9902.14ACB	436	03.9941.ER	478	03.9968.ER	476	05.0602.14.DA	372	05.0614.14.CB	373
03.9760.40A	441	03.9902.14ANI	436	03.9941.ES	478	03.9968.ES	476	05.0602.14.NI	372	05.0614.14.DA	373
03.9760.40ADA	441	03.9902.14BDA	436	03.9942.14	478	03.9969.14	476	05.0602.40	372	05.0614.14.NI	373
03.9761.14A	441	03.9902.40A	436	03.9942.40A	478	03.9969.40A	476	05.0602.40.CB	372	05.0614.40	373
03.9761.14ADA	441	03.9902.40ACB	436	03.9942.EQ	478	03.9969.EQ	476	05.0602.40.DA	372	05.0614.40.CB	373
03.9761.40A	441	03.9902.40ANI	436	03.9942.ER	478	03.9969.ER	476	05.0602.40.NI	372	05.0614.40.DA	373
03.9761.40ADA	441	03.9902.40BDA	436	03.9942.ES	478	03.9969.ES	476	05.0603.14	372	05.0614.40.NI	373
03.9764.14A	441	03.9903.14A	436	03.9943.14	478	03.9971.14A	471	05.0603.14.CB	372	05.0615.14	373
03.9764.14ADA	441	03.9903.14ACB	436	03.9943.40A	478	03.9971.40B	471	05.0603.14.DA	372	05.0615.14.CB	373
03.9764.40A	441	03.9903.14ANI	436	03.9943.EQ	478	03.9971.EQA	471	05.0603.14.NI	372	05.0615.14.DA	373
03.9764.40ADA	441	03.9903.14BDA	436	03.9943.ER	478	03.9971.ERA	471	05.0603.40	372	05.0615.14.NI	373
03.9765.14A	441	03.9903.40A	436	03.9943.ES	478	03.9971.ESA	471	05.0603.40.CB	372	05.0615.40	373
03.9765.14ADA	441	03.9903.40ACB	436	03.9950.14	470	03.9972.14A	471	05.0603.40.DA	372	05.0615.40.CB	373
03.9765.40A	441	03.9903.40ANI	436	03.9950.40A	470	03.9972.40B	471	05.0603.40.NI	372	05.0615.40.DA	373
03.9765.40ADA	441	03.9903.40BDA	436	03.9950.EQ	470	03.9972.EQA	471	05.0604.14	372	05.0615.40.NI	373
03.9820.14A	439	03.9904.14A	178	03.9950.ER	470	03.9972.ERA	471	05.0604.14.CB	372	05.0616.14	373
03.9820.14ADA	439	03.9904.14ACB	178	03.9950.ES	470	03.9972.ESA	471	05.0604.14.DA	372	05.0616.14.CB	373
03.9820.40A	439	03.9904.14BDA	178	03.9951.14	470	03.9973.14A	471	05.0604.14.NI	372	05.0616.14.DA	373
03.9820.40ADA	439	03.9904.40A	178	03.9951.40A	470	03.9973.40B	471	05.0604.40	372	05.0616.14.NI	373
03.9821.14A	439	03.9904.40ACB	178	03.9951.EQ	470	03.9973.EQA	471	05.0604.40.CB	372	05.0616.40	373
03.9821.14ADA	439	03.9904.40BDA	178	03.9951.ER	470	03.9973.ERA	471	05.0604.40.DA	372	05.0616.40.CB	373
03.9821.40A	439	03.9905.14A	178	03.9951.ES	470	03.9973.ESA	471	05.0604.40.NI	372	05.0616.40.DA	373
03.9821.40ADA	439	03.9905.14ACB	178	03.9952.14	470	03.9976.14A	471	05.0605.14	372	05.0616.40.NI	373
03.9825.14A	440	03.9905.14BDA	178	03.9952.40A	470	03.9976.40B	471	05.0605.14.CB	372	05.0617.14	373
03.9825.14ADA	440	03.9905.40A	178	03.9952.EQ	470	03.9976.EQA	471	05.0605.14.DA	372	05.0617.14.CB	373
03.9825.40A	440	03.9905.40ACB	178	03.9952.ER	470	03.9976.ERA	471	05.0605.14.NI	372	05.0617.14.DA	373
03.9825.40ADA	440	03.9905.40BDA	178	03.9952.ES	470	03.9976.ESA	471	05.0605.40	372	05.0617.14.NI	373
03.9826.14A	440	03.9910.14	470	03.9953.14	470	03.9977.14A	471	05.0605.40.CB	372	05.0617.40	373
03.9826.14ADA	440	03.9910.40A	470	03.9953.40A	470	03.9977.40B	471	05.0605.40.DA	372	05.0617.40.CB	373
03.9826.40A	440	03.9910.EQ	470	03.9953.EQ	470	03.9977.EQA	471	05.0605.40.NI	372	05.0617.40.DA	373
03.9826.40ADA	440	03.9910.ER	470	03.9953.ER	470	03.9977.ERA	471	05.0606.14	372	05.0617.40.NI	373
03.9830.14A	439	03.9910.ES	470	03.9953.ES	470	03.9977.ESA	471	05.0606.14.CB	372	05.0618.14	373
03.9830.14ADA	439	03.9911.14	470	03.9954.14	470	03.9978.14A	471	05.0606.14.DA	372	05.0618.14.CB	373
03.9830.40A	439	03.9911.40A	470	03.9954.40A	470	03.9978.40B	471	05.0606.14.NI	372	05.0618.14.DA	373
03.9830.40ADA	439	03.9911.EQ	470	03.9954.EQ	470	03.9978.EQA	471	05.0606.40	372	05.0618.14.NI	373

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.0618.40	373	05.0630.14.NI	375	05.0642.14.DA	392	05.0654.14.CB	393	05.0666.14	394	05.0677.40.NI	395
05.0618.40.CB	373	05.0630.40	375	05.0642.14.NI	392	05.0654.14.DA	393	05.0666.14.CB	394	05.0678.14	395
05.0618.40.DA	373	05.0630.40.CB	375	05.0642.40	392	05.0654.14.NI	393	05.0666.14.DA	394	05.0678.14.CB	395
05.0618.40.NI	373	05.0630.40.DA	375	05.0642.40.CB	392	05.0654.40	393	05.0666.14.NI	394	05.0678.14.DA	395
05.0619.14	373	05.0630.40.NI	375	05.0642.40.DA	392	05.0654.40.CB	393	05.0666.40	394	05.0678.14.NI	395
05.0619.14.CB	373	05.0631.14	375	05.0642.40.NI	392	05.0654.40.DA	393	05.0666.40.CB	394	05.0678.40	395
05.0619.14.DA	373	05.0631.14.CB	375	05.0643.14	392	05.0654.40.NI	393	05.0666.40.DA	394	05.0678.40.CB	395
05.0619.14.NI	373	05.0631.14.DA	375	05.0643.14.CB	392	05.0655.14	393	05.0666.40.NI	394	05.0678.40.DA	395
05.0619.40	373	05.0631.14.NI	375	05.0643.14.DA	392	05.0655.14.CB	393	05.0667.14	394	05.0678.40.NI	395
05.0619.40.CB	373	05.0631.40	375	05.0643.14.NI	392	05.0655.14.DA	393	05.0667.14.CB	394	05.0679.14	395
05.0619.40.DA	373	05.0631.40.CB	375	05.0643.40	392	05.0655.14.NI	393	05.0667.14.DA	394	05.0679.14.CB	395
05.0619.40.NI	373	05.0631.40.DA	375	05.0643.40.CB	392	05.0655.40	393	05.0667.14.NI	394	05.0679.14.DA	395
05.0620.14	374	05.0631.40.NI	375	05.0643.40.DA	392	05.0655.40.CB	393	05.0667.40	394	05.0679.14.NI	395
05.0620.14.CB	374	05.0632.14	375	05.0643.40.NI	392	05.0655.40.DA	393	05.0667.40.CB	394	05.0679.40	395
05.0620.14.DA	374	05.0632.14.CB	375	05.0644.14	392	05.0655.40.NI	393	05.0667.40.DA	394	05.0679.40.CB	395
05.0620.14.NI	374	05.0632.14.DA	375	05.0644.14.CB	392	05.0656.14	393	05.0667.40.NI	394	05.0679.40.DA	395
05.0620.40	374	05.0632.14.NI	375	05.0644.14.DA	392	05.0656.14.CB	393	05.0668.14	394	05.0679.40.NI	395
05.0620.40.CB	374	05.0632.40	375	05.0644.14.NI	392	05.0656.14.DA	393	05.0668.14.CB	394	05.0700.14	442
05.0620.40.DA	374	05.0632.40.CB	375	05.0644.40	392	05.0656.14.NI	393	05.0668.14.DA	394	05.0700.14.DA	442
05.0620.40.NI	374	05.0632.40.DA	375	05.0644.40.CB	392	05.0656.40	393	05.0668.14.NI	394	05.0700.14.NI	442
05.0621.14	374	05.0632.40.NI	375	05.0644.40.DA	392	05.0656.40.CB	393	05.0668.40	394	05.0700.40	442
05.0621.14.CB	374	05.0633.14	375	05.0644.40.NI	392	05.0656.40.DA	393	05.0668.40.CB	394	05.0700.40.DA	442
05.0621.14.DA	374	05.0633.14.CB	375	05.0645.14	392	05.0656.40.NI	393	05.0668.40.DA	394	05.0700.40.NI	442
05.0621.14.NI	374	05.0633.14.DA	375	05.0645.14.CB	392	05.0657.14	393	05.0668.40.NI	394	05.0701.14	442
05.0621.40	374	05.0633.14.NI	375	05.0645.14.DA	392	05.0657.14.CB	393	05.0669.14	394	05.0701.14.DA	442
05.0621.40.CB	374	05.0633.40	375	05.0645.14.NI	392	05.0657.14.DA	393	05.0669.14.CB	394	05.0701.14.NI	442
05.0621.40.DA	374	05.0633.40.CB	375	05.0645.40	392	05.0657.14.NI	393	05.0669.14.DA	394	05.0701.40	442
05.0621.40.NI	374	05.0633.40.DA	375	05.0645.40.CB	392	05.0657.40	393	05.0669.14.NI	394	05.0701.40.DA	442
05.0622.14	374	05.0633.40.NI	375	05.0645.40.DA	392	05.0657.40.CB	393	05.0669.40	394	05.0701.40.NI	442
05.0622.14.CB	374	05.0634.14	375	05.0645.40.NI	392	05.0657.40.DA	393	05.0669.40.CB	394	05.0702.40	442
05.0622.14.DA	374	05.0634.14.CB	375	05.0646.14	392	05.0657.40.NI	393	05.0669.40.DA	394	05.0702.40.DA	442
05.0622.14.NI	374	05.0634.14.DA	375	05.0646.14.CB	392	05.0658.14	393	05.0669.40.NI	394	05.0702.40.NI	442
05.0622.40	374	05.0634.14.NI	375	05.0646.14.DA	392	05.0658.14.CB	393	05.0670.14	395	05.0703.40	442
05.0622.40.CB	374	05.0634.40	375	05.0646.14.NI	392	05.0658.14.DA	393	05.0670.14.CB	395	05.0703.40.DA	442
05.0622.40.DA	374	05.0634.40.CB	375	05.0646.40	392	05.0658.14.NI	393	05.0670.14.DA	395	05.0703.40.NI	442
05.0622.40.NI	374	05.0634.40.DA	375	05.0646.40.CB	392	05.0658.40	393	05.0670.14.NI	395	05.0705.14	442
05.0623.14	374	05.0634.40.NI	375	05.0646.40.DA	392	05.0658.40.CB	393	05.0670.40	395	05.0705.14.DA	442
05.0623.14.CB	374	05.0635.14	375	05.0646.40.NI	392	05.0658.40.DA	393	05.0670.40.CB	395	05.0705.14.NI	442
05.0623.14.DA	374	05.0635.14.CB	375	05.0647.14	392	05.0658.40.NI	393	05.0670.40.DA	395	05.0705.40	442
05.0623.14.NI	374	05.0635.14.DA	375	05.0647.14.CB	392	05.0659.14	393	05.0670.40.NI	395	05.0705.40.DA	442
05.0623.40	374	05.0635.14.NI	375	05.0647.14.DA	392	05.0659.14.CB	393	05.0671.14	395	05.0705.40.NI	442
05.0623.40.CB	374	05.0635.40	375	05.0647.14.NI	392	05.0659.14.DA	393	05.0671.14.CB	395	05.0706.14	442
05.0623.40.DA	374	05.0635.40.CB	375	05.0647.40	392	05.0659.14.NI	393	05.0671.14.DA	395	05.0706.14.DA	442
05.0623.40.NI	374	05.0635.40.DA	375	05.0647.40.CB	392	05.0659.40	393	05.0671.14.NI	395	05.0706.14.NI	442
05.0624.14	374	05.0635.40.NI	375	05.0647.40.DA	392	05.0659.40.CB	393	05.0671.40	395	05.0706.40	442
05.0624.14.CB	374	05.0636.14	375	05.0647.40.NI	392	05.0659.40.DA	393	05.0671.40.CB	395	05.0706.40.DA	442
05.0624.14.DA	374	05.0636.14.CB	375	05.0648.14	392	05.0659.40.NI	393	05.0671.40.DA	395	05.0706.40.NI	442
05.0624.14.NI	374	05.0636.14.DA	375	05.0648.14.CB	392	05.0660.14	394	05.0671.40.NI	395	05.0707.40	442
05.0624.40	374	05.0636.14.NI	375	05.0648.14.DA	392	05.0660.14.CB	394	05.0672.14	395	05.0707.40.DA	442
05.0624.40.CB	374	05.0636.40	375	05.0648.14.NI	392	05.0660.14.DA	394	05.0672.14.CB	395	05.0707.40.NI	442
05.0624.40.DA	374	05.0636.40.CB	375	05.0648.40	392	05.0660.14.NI	394	05.0672.14.DA	395	05.0708.40	442
05.0624.40.NI	374	05.0636.40.DA	375	05.0648.40.CB	392	05.0660.40	394	05.0672.14.NI	395	05.0708.40.DA	442
05.0625.14	374	05.0636.40.NI	375	05.0648.40.DA	392	05.0660.40.CB	394	05.0672.40	395	05.0708.40.NI	442
05.0625.14.CB	374	05.0637.14	375	05.0648.40.NI	392	05.0660.40.DA	394	05.0672.40.CB	395	05.0710.14	443
05.0625.14.DA	374	05.0637.14.CB	375	05.0649.14	392	05.0660.40.NI	394	05.0672.40.DA	395	05.0710.14.DA	443
05.0625.14.NI	374	05.0637.14.DA	375	05.0649.14.CB	392	05.0661.14	394	05.0672.40.NI	395	05.0710.14.NI	443
05.0625.40	374	05.0637.14.NI	375	05.0649.14.DA	392	05.0661.14.CB	394	05.0673.14	395	05.0710.40	443
05.0625.40.CB	374	05.0637.40	375	05.0649.14.NI	392	05.0661.14.DA	394	05.0673.14.CB	395	05.0710.40.DA	443
05.0625.40.DA	374	05.0637.40.CB	375	05.0649.40	392	05.0661.14.NI	394	05.0673.14.DA	395	05.0710.40.NI	443
05.0625.40.NI	374	05.0637.40.DA	375	05.0649.40.CB	392	05.0661.40	394	05.0673.14.NI	395	05.0711.14	443
05.0626.14	374	05.0637.40.NI	375	05.0649.40.DA	392	05.0661.40.CB	394	05.0673.40	395	05.0711.14.DA	443
05.0626.14.CB	374	05.0638.14	375	05.0649.40.NI	392	05.0661.40.DA	394	05.0673.40.CB	395	05.0711.14.NI	443
05.0626.14.DA	374	05.0638.14.CB	375	05.0650.14	393	05.0661.40.NI	394	05.0673.40.DA	395	05.0711.40	443
05.0626.14.NI	374	05.0638.14.DA	375	05.0650.14.CB	393	05.0662.14	394	05.0673.40.NI	395	05.0711.40.DA	443
05.0626.40	374	05.0638.14.NI	375	05.0650.14.DA	393	05.0662.14.CB	394	05.0674.14	395	05.0711.40.NI	443
05.0626.40.CB	374	05.0638.40	375	05.0650.14.NI	393	05.0662.14.DA	394	05.0674.14.CB	395	05.0712.40	443
05.0626.40.DA	374	05.0638.40.CB	375	05.0650.40	393	05.0662.14.NI	394	05.0674.14.DA	395	05.0712.40.DA	443
05.0626.40.NI	374	05.0638.40.DA	375	05.0650.40.CB	393	05.0662.40	394	05.0674.14.NI	395	05.0712.40.NI	443
05.0627.14	374	05.0638.40.NI	375	05.0650.40.DA	393	05.0662.40.CB	394	05.0674.40	395	05.0713.40	443
05.0627.14.CB	374	05.0639.14	375	05.0650.40.NI	393	05.0662.40.DA	394	05.0674.40.CB	395	05.0713.40.DA	443
05.0627.14.DA	374	05.0639.14.CB	375	05.0651.14	393	05.0662.40.NI	394	05.0674.40.DA	395	05.0713.40.NI	443
05.0627.14.NI	374	05.0639.14.DA	375	05.0651.14.CB	393	05.0663.14	394	05.0674.40.NI	395	05.0715.14	443
05.0627.40	374	05.0639.14.NI	375	05.0651.14.DA	393	05.0663.14.CB	394	05.0675.14	395	05.0715.14.DA	443
05.0627.40.CB	374	05.0639.40	375	05.0651.14.NI	393	05.0663.14.DA	394	05.0675.14.CB	395	05.0715.14.NI	443
05.0627.40.DA	374	05.0639.40.CB	375	05.0651.40	393	05.0663.14.NI	394	05.0675.14.DA	395	05.0715.40	443
05.0627.40.NI	374	05.0639.40.DA	375	05.0651.40.CB	393	05.0663.40	394	05.0675.14.NI	395	05.0715.40.DA	443
05.0628.14	374	05.0639.40.NI	375	05.0651.40.DA	393	05.0663.40.CB	394	05.0675.40	395	05.0715.40.NI	443
05.0628.14.CB	374	05.0640.14	392	05.0651.40.NI	393	05.0663.40.DA	394	05.0675.40.CB	395	05.0716.14	443
05.0628.14.DA	374	05.0640.14.CB	392	05.0652.14	393	05.0663.40.NI	394	05.0675.40.DA	395	05.0716.14.DA	443
05.0628.14.NI	374	05.0640.14.DA	392	05.0652.14.CB	393	05.0664.14	394	05.0675.40.NI	395	05.0716.14.NI	443
05.0628.40	374	05.0640.14.NI	392	05.0652.14.DA	393	05.0664.14.CB	394	05.0676.14	395	05.0716.40	443
05.0628.40.CB	374	05.0640.40	392	05.0652.14.NI	393	05.0664.14.DA	394	05.0676.14.CB	395	05.0716.40.DA	443
05.0628.40.DA	374	05.0640.40.CB	392	05.0652.40	393	05.0664.14.NI	394	05.0676.14.DA	395	05.0716.40.NI	443
05.0628.40.NI	374	05.0640.40.DA	392	05.0652.40.CB	393	05.0664.40	394	05.0676.14.NI	395	05.0717.40	443
05.0629.14	374	05.0640.40.NI	392	05.0652.40.DA	393	05.0664.40.CB	394	05.0676.40	395	05.0717.40.DA	443
05.0629.14.CB	374	05.0641.14	392	05.0652.40.NI	393	05.0664.40.DA	394	05.0676.40.CB	395	05.0717.40.NI	443
05.0629.14.DA	374	05.0641.14.CB	392	05.0653.14	393	05.0664.40.NI	394	05.0676.40.DA	395	05.0718.40	443
05.0629.14.NI	374	05.0641.14.DA	392	05.0653.14.CB	393	05.0665.14	394	05.0676.40.NI	395	05.0718.40.DA	443
05.0629.40	374	05.0641.14.NI	392	05.0653.14.DA	393	05.0665.14.CB	394	05.0677.14	395	05.0718.40.NI	443
05.0629.40.CB	374	05.0641.40	392	05.0653.14.NI	393	05.0665.14.DA	394	05.0677.14.CB	395	05.0720.14	444
05.0629.40.DA	374	05.0641.40.CB	392	05.0653.40	393	05.0665.14.NI	394	05.0677.14.DA	395	05.0720.14.DA	444
05.0629.40.NI	374	05.0641.40.DA	392	05.0653.40.CB	393	05.0665.40	394	05.0677.14.NI	395	05.0720.14.NI	444
05.0630.14	375	05.0641.40.NI	392	05.0653.40.DA	393	05.0665.40.CB	394	05.0677.40	395	05.0720.40	444
05.0630.14.CB	375	05.0642.14	392	05.0653.40.NI	393	05.0665.40.DA	394	05.0677.40.CB	395	05.0720.40.DA	444
05.0630.14.DA	375	05.0642.14.CB	392	05.0654.14	393	05.0665.40.NI	394	05.0677.40.DA	395	05.0720.40.NI	444

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05.0721.14.DA	444	05.0747.14	442	05.0773.14.NI	445	05.0861.14.DA	444	05.0961.14	444	05.1015.14ANI	365
05.0721.14.NI	444	05.0747.14.DA	442	05.0775.14	445	05.0861.14.NI	444	05.0961.14.DA	444	05.1015.14BDA	365
05.0721.40	444	05.0747.14.NI	442	05.0775.14.DA	445	05.0865.14	444	05.0961.14.NI	444	05.1015.40A	365
05.0721.40.DA	444	05.0748.14	442	05.0775.14.NI	445	05.0865.14.DA	444	05.0965.14	444	05.1015.40ACB	365
05.0721.40.NI	444	05.0748.14.DA	442	05.0775.40	445	05.0865.14.NI	444	05.0965.14.DA	444	05.1015.40ANI	365
05.0722.40	444	05.0748.14.NI	442	05.0775.40.DA	445	05.0866.14	444	05.0965.14.NI	444	05.1015.40BDA	365
05.0722.40.DA	444	05.0750.14	443	05.0775.40.NI	445	05.0866.14.DA	444	05.0966.14	444	05.1016.14A	365
05.0722.40.NI	444	05.0750.14.DA	443	05.0776.14	445	05.0866.14.NI	444	05.0966.14.DA	444	05.1016.14ACB	365
05.0723.40	444	05.0750.14.NI	443	05.0776.14.DA	445	05.0870.14	445	05.0966.14.NI	444	05.1016.14ANI	365
05.0723.40.DA	444	05.0750.40	443	05.0776.14.NI	445	05.0870.14.DA	445	05.0970.14	445	05.1016.14BDA	365
05.0723.40.NI	444	05.0750.40.DA	443	05.0776.40	445	05.0870.14.NI	445	05.0970.14.DA	445	05.1016.40A	365
05.0725.14	444	05.0750.40.NI	443	05.0776.40.DA	445	05.0871.14	445	05.0970.14.NI	445	05.1016.40ACB	365
05.0725.14.DA	444	05.0751.14	443	05.0776.40.NI	445	05.0871.14.DA	445	05.0971.14	445	05.1016.40ANI	365
05.0725.14.NI	444	05.0751.14.DA	443	05.0777.14	445	05.0871.14.NI	445	05.0971.14.DA	445	05.1016.40BDA	365
05.0725.40	444	05.0751.14.NI	443	05.0777.14.DA	445	05.0875.14	445	05.0971.14.NI	445	05.1017.14A	365
05.0725.40.DA	444	05.0751.40	443	05.0777.14.NI	445	05.0875.14.DA	445	05.0975.14	445	05.1017.14ACB	365
05.0725.40.NI	444	05.0751.40.DA	443	05.0778.14	445	05.0875.14.NI	445	05.0975.14.DA	445	05.1017.14ANI	365
05.0726.14	444	05.0751.40.NI	443	05.0778.14.DA	445	05.0876.14	445	05.0975.14.NI	445	05.1017.14BDA	365
05.0726.14.DA	444	05.0752.14	443	05.0778.14.NI	445	05.0876.14.DA	445	05.0976.14	445	05.1017.40A	365
05.0726.14.NI	444	05.0752.14.DA	443	05.0800.14	442	05.0876.14.NI	445	05.0976.14.DA	445	05.1017.40ACB	365
05.0726.40	444	05.0752.14.NI	443	05.0800.14.DA	442	05.0900.14	442	05.0976.14.NI	445	05.1017.40ANI	365
05.0726.40.DA	444	05.0753.14	443	05.0800.14.NI	442	05.0900.14.DA	442	05.1000.14A	364	05.1017.40BDA	365
05.0726.40.NI	444	05.0753.14.DA	443	05.0801.14	442	05.0900.14.NI	442	05.1000.14ACB	364	05.1020.14A	366
05.0727.40	444	05.0753.14.NI	443	05.0801.14.DA	442	05.0901.14	442	05.1000.14ANI	364	05.1020.14ACB	366
05.0727.40.DA	444	05.0755.14	443	05.0801.14.NI	442	05.0901.14.DA	442	05.1000.14BDA	364	05.1020.14ANI	366
05.0727.40.NI	444	05.0755.14.DA	443	05.0805.14	442	05.0901.14.NI	442	05.1000.40A	364	05.1020.14BDA	366
05.0728.40	444	05.0755.14.NI	443	05.0805.14.DA	442	05.0905.14	442	05.1000.40ACB	364	05.1020.40A	366
05.0728.40.DA	444	05.0755.40	443	05.0805.14.NI	442	05.0905.14.DA	442	05.1000.40ANI	364	05.1020.40ACB	366
05.0728.40.NI	444	05.0755.40.DA	443	05.0806.14	442	05.0905.14.NI	442	05.1000.40BDA	364	05.1020.40ANI	366
05.0730.14	445	05.0755.40.NI	443	05.0806.14.DA	442	05.0906.14	442	05.1001.14A	364	05.1020.40BDA	366
05.0730.14.DA	445	05.0756.14	443	05.0806.14.NI	442	05.0906.14.DA	442	05.1001.14ACB	364	05.1021.14A	366
05.0730.14.NI	445	05.0756.14.DA	443	05.0810.14	443	05.0906.14.NI	442	05.1001.14ANI	364	05.1021.14ACB	366
05.0730.40	445	05.0756.14.NI	443	05.0810.14.DA	443	05.0910.14	443	05.1001.14BDA	364	05.1021.14ANI	366
05.0730.40.DA	445	05.0756.40	443	05.0810.14.NI	443	05.0910.14.DA	443	05.1001.40A	364	05.1021.14BDA	366
05.0730.40.NI	445	05.0756.40.DA	443	05.0811.14	443	05.0910.14.NI	443	05.1001.40ACB	364	05.1021.40A	366
05.0731.14	445	05.0756.40.NI	443	05.0811.14.DA	443	05.0911.14	443	05.1001.40ANI	364	05.1021.40ACB	366
05.0731.14.DA	445	05.0757.14	443	05.0811.14.NI	443	05.0911.14.DA	443	05.1001.40BDA	364	05.1021.40ANI	366
05.0731.14.NI	445	05.0757.14.DA	443	05.0815.14	443	05.0911.14.NI	443	05.1002.14A	364	05.1021.40BDA	366
05.0731.40	445	05.0757.14.NI	443	05.0815.14.DA	443	05.0915.14	443	05.1002.14ACB	364	05.1022.14A	366
05.0731.40.DA	445	05.0758.14	443	05.0815.14.NI	443	05.0915.14.DA	443	05.1002.14ANI	364	05.1022.14ACB	366
05.0731.40.NI	445	05.0758.14.DA	443	05.0816.14	443	05.0915.14.NI	443	05.1002.14BDA	364	05.1022.14ANI	366
05.0732.40	445	05.0758.14.NI	443	05.0816.14.DA	443	05.0916.14	443	05.1002.40A	364	05.1022.14BDA	366
05.0732.40.DA	445	05.0760.14	444	05.0816.14.NI	443	05.0916.14.DA	443	05.1002.40ACB	364	05.1022.40A	366
05.0732.40.NI	445	05.0760.14.DA	444	05.0820.14	444	05.0916.14.NI	443	05.1002.40ANI	364	05.1022.40ACB	366
05.0733.40	445	05.0760.14.NI	444	05.0820.14.DA	444	05.0920.14	444	05.1002.40BDA	364	05.1022.40ANI	366
05.0733.40.DA	445	05.0760.40	444	05.0820.14.NI	444	05.0920.14.DA	444	05.1005.14A	364	05.1022.40BDA	366
05.0733.40.NI	445	05.0760.40.DA	444	05.0821.14	444	05.0920.14.NI	444	05.1005.14ACB	364	05.1025.14A	366
05.0735.14	445	05.0760.40.NI	444	05.0821.14.DA	444	05.0921.14	444	05.1005.14ANI	364	05.1025.14ACB	366
05.0735.14.DA	445	05.0761.14	444	05.0821.14.NI	444	05.0921.14.DA	444	05.1005.14BDA	364	05.1025.14ANI	366
05.0735.14.NI	445	05.0761.14.DA	444	05.0825.14	444	05.0921.14.NI	444	05.1005.40A	364	05.1025.14BDA	366
05.0735.40	445	05.0761.14.NI	444	05.0825.14.DA	444	05.0925.14	444	05.1005.40ACB	364	05.1025.40A	366
05.0735.40.DA	445	05.0761.40	444	05.0825.14.NI	444	05.0925.14.DA	444	05.1005.40ANI	364	05.1025.40ACB	366
05.0735.40.NI	445	05.0761.40.DA	444	05.0826.14	444	05.0925.14.NI	444	05.1005.40BDA	364	05.1025.40ANI	366
05.0736.14	445	05.0761.40.NI	444	05.0826.14.DA	444	05.0926.14	444	05.1006.14A	364	05.1025.40BDA	366
05.0736.14.DA	445	05.0762.14	444	05.0826.14.NI	444	05.0926.14.DA	444	05.1006.14ACB	364	05.1026.14A	366
05.0736.14.NI	445	05.0762.14.DA	444	05.0830.14	445	05.0926.14.NI	444	05.1006.14ANI	364	05.1026.14ACB	366
05.0736.40	445	05.0762.14.NI	444	05.0830.14.DA	445	05.0930.14	445	05.1006.14BDA	364	05.1026.14ANI	366
05.0736.40.DA	445	05.0763.14	444	05.0830.14.NI	445	05.0930.14.DA	445	05.1006.40A	364	05.1026.14BDA	366
05.0736.40.NI	445	05.0763.14.DA	444	05.0831.14	445	05.0930.14.NI	445	05.1006.40ACB	364	05.1026.40A	366
05.0737.40	445	05.0763.14.NI	444	05.0831.14.DA	445	05.0931.14	445	05.1006.40ANI	364	05.1026.40ACB	366
05.0737.40.DA	445	05.0765.14	444	05.0831.14.NI	445	05.0931.14.DA	445	05.1006.40BDA	364	05.1026.40ANI	366
05.0737.40.NI	445	05.0765.14.DA	444	05.0835.14	445	05.0931.14.NI	445	05.1007.14A	364	05.1026.40BDA	366
05.0738.40	445	05.0765.14.NI	444	05.0835.14.DA	445	05.0935.14	445	05.1007.14ACB	364	05.1027.14A	366
05.0738.40.DA	445	05.0765.40	444	05.0835.14.NI	445	05.0935.14.DA	445	05.1007.14ANI	364	05.1027.14ACB	366
05.0738.40.NI	445	05.0765.40.DA	444	05.0836.14	445	05.0935.14.NI	445	05.1007.14BDA	364	05.1027.14ANI	366
05.0740.14	442	05.0765.40.NI	444	05.0836.14.DA	445	05.0936.14	445	05.1007.40A	364	05.1027.14BDA	366
05.0740.14.DA	442	05.0766.14	444	05.0836.14.NI	445	05.0936.14.DA	445	05.1007.40ACB	364	05.1027.40A	366
05.0740.14.NI	442	05.0766.14.DA	444	05.0840.14	442	05.0936.14.NI	445	05.1007.40ANI	364	05.1027.40ACB	366
05.0740.40	442	05.0766.14.NI	444	05.0840.14.DA	442	05.0940.14	442	05.1007.40BDA	364	05.1027.40ANI	366
05.0740.40.DA	442	05.0766.40	444	05.0840.14.NI	442	05.0940.14.DA	442	05.1010.14A	365	05.1027.40BDA	366
05.0740.40.NI	442	05.0766.40.DA	444	05.0841.14	442	05.0940.14.NI	442	05.1010.14ACB	365	05.1030.14A	367
05.0741.14	442	05.0766.40.NI	444	05.0841.14.DA	442	05.0941.14	442	05.1010.14ANI	365	05.1030.14ACB	367
05.0741.14.DA	442	05.0767.14	444	05.0841.14.NI	442	05.0941.14.DA	442	05.1010.14BDA	365	05.1030.14ANI	367
05.0741.14.NI	442	05.0767.14.DA	444	05.0845.14	442	05.0941.14.NI	442	05.1010.40A	365	05.1030.14BDA	367
05.0741.40	442	05.0767.14.NI	444	05.0845.14.DA	442	05.0945.14	442	05.1010.40ACB	365	05.1030.40A	367
05.0741.40.DA	442	05.0768.14	444	05.0845.14.NI	442	05.0945.14.DA	442	05.1010.40ANI	365	05.1030.40ACB	367
05.0741.40.NI	442	05.0768.14.DA	444	05.0846.14	442	05.0945.14.NI	442	05.1010.40BDA	365	05.1030.40ANI	367
05.0742.14	442	05.0768.14.NI	444	05.0846.14.DA	442	05.0946.14	442	05.1011.14A	365	05.1030.40BDA	367
05.0742.14.DA	442	05.0770.14	445	05.0846.14.NI	442	05.0946.14.DA	442	05.1011.14ACB	365	05.1031.14A	367
05.0742.14.NI	442	05.0770.14.DA	445	05.0850.14	443	05.0946.14.NI	442	05.1011.14ANI	365	05.1031.14ACB	367
05.0743.14	442	05.0770.14.NI	445	05.0850.14.DA	443	05.0950.14	443	05.1011.14BDA	365	05.1031.14ANI	367
05.0743.14.DA	442	05.0770.40	445	05.0850.14.NI	443	05.0950.14.DA	443	05.1011.40A	365	05.1031.14BDA	367
05.0743.14.NI	442	05.0770.40.DA	445	05.0851.14	443	05.0950.14.NI	443	05.1011.40ACB	365	05.1031.40A	367
05.0745.14	442	05.0770.40.NI	445	05.0851.14.DA	443	05.0951.14	443	05.1011.40ANI	365	05.1031.40ACB	367
05.0745.14.DA	442	05.0771.14	445	05.0851.14.NI	443	05.0951.14.DA	443	05.1011.40BDA	365	05.1031.40ANI	367
05.0745.14.NI	442	05.0771.14.DA	445	05.0855.14	443	05.0951.14.NI	443	05.1012.14A	365	05.1031.40BDA	367
05.0745.40	442	05.0771.14.NI	445	05.0855.14.DA	443	05.0955.14	443	05.1012.14ACB	365	05.1032.14A	367
05.0745.40.DA	442	05.0771.40	445	05.0855.14.NI	443	05.0955.14.DA	443	05.1012.14ANI	365	05.1032.14ACB	367
05.0745.40.NI	442	05.0771.40.DA	445	05.0856.14	443	05.0955.14.NI	443	05.1012.14BDA	365	05.1032.14ANI	367
05.0746.14	442	05.0771.40.NI	445	05.0856.14.DA	443	05.0956.14	443	05.1012.40A	365	05.1032.14BDA	367
05.0746.14.DA	442	05.0772.14	445	05.0856.14.NI	443	05.0956.14.DA	443	05.1012.40ACB	365	05.1032.40A	367
05.0746.14.NI	442	05.0772.14.DA	445	05.0860.14	444	05.0956.14.NI	443	05.1012.40ANI	365	05.1032.40ACB	367
05.0746.40	442	05.0772.14.NI	445	05.0860.14.DA	444	05.0960.14	444	05.1012.40BDA	365	05.1032.40ANI	367
05.0746.40.DA	442	05.0773.14	445	05.0860.14.NI	444	05.0960.14.DA	444	05.1015.14A	365	05.1032.40BDA	367

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05.1035.14ACB	367	05.1055.14A	385	05.1072.40BDA	387	05.1112.40ANI	369	05.1132.40ACB	371	05.1152.40A	389
05.1035.14ANI	367	05.1055.14ACB	385	05.1075.14A	387	05.1112.40BDA	369	05.1132.40ANI	371	05.1152.40ACB	389
05.1035.14BDA	367	05.1055.14ANI	385	05.1075.14ACB	387	05.1115.14A	369	05.1132.40BDA	371	05.1152.40ANI	389
05.1035.40A	367	05.1055.14BDA	385	05.1075.14ANI	387	05.1115.14ACB	369	05.1135.14A	371	05.1152.40BDA	389
05.1035.40ACB	367	05.1055.40A	385	05.1075.14BDA	387	05.1115.14ANI	369	05.1135.14ACB	371	05.1155.14A	389
05.1035.40ANI	367	05.1055.40ACB	385	05.1075.40A	387	05.1115.14BDA	369	05.1135.14ANI	371	05.1155.14ACB	389
05.1035.40BDA	367	05.1055.40ANI	385	05.1075.40ACB	387	05.1115.40A	369	05.1135.14BDA	371	05.1155.14ANI	389
05.1036.14A	367	05.1055.40BDA	385	05.1075.40ANI	387	05.1115.40ACB	369	05.1135.40A	371	05.1155.14BDA	389
05.1036.14ACB	367	05.1056.14A	385	05.1075.40BDA	387	05.1115.40ANI	369	05.1135.40ACB	371	05.1155.40A	389
05.1036.14ANI	367	05.1056.14ACB	385	05.1076.14A	387	05.1115.40BDA	369	05.1135.40ANI	371	05.1155.40ACB	389
05.1036.14BDA	367	05.1056.14ANI	385	05.1076.14ACB	387	05.1116.14A	369	05.1135.40BDA	371	05.1155.40ANI	389
05.1036.40A	367	05.1056.14BDA	385	05.1076.14ANI	387	05.1116.14ACB	369	05.1136.14A	371	05.1155.40BDA	389
05.1036.40ACB	367	05.1056.40A	385	05.1076.14BDA	387	05.1116.14ANI	369	05.1136.14ACB	371	05.1156.14A	389
05.1036.40ANI	367	05.1056.40ACB	385	05.1076.40A	387	05.1116.14BDA	369	05.1136.14ANI	371	05.1156.14ACB	389
05.1036.40BDA	367	05.1056.40ANI	385	05.1076.40ACB	387	05.1116.40A	369	05.1136.14BDA	371	05.1156.14ANI	389
05.1037.14A	367	05.1056.40BDA	385	05.1076.40ANI	387	05.1116.40ACB	369	05.1136.40A	371	05.1156.14BDA	389
05.1037.14ACB	367	05.1057.14A	385	05.1076.40BDA	387	05.1116.40ANI	369	05.1136.40ACB	371	05.1156.40A	389
05.1037.14ANI	367	05.1057.14ACB	385	05.1077.14A	387	05.1116.40BDA	369	05.1136.40ANI	371	05.1156.40ACB	389
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05.1346.40BDA	400	05.1366.40ANI	402	05.1406.40ACB	404	05.1426.40A	406	05.1446.14BDA	420	05.1466.14ANI	422
05.1347.14A	400	05.1366.40BDA	402	05.1406.40ANI	404	05.1426.40ACB	406	05.1446.40A	420	05.1466.14BDA	422
05.1347.14ACB	400	05.1367.14A	402	05.1406.40BDA	404	05.1426.40ANI	406	05.1446.40ACB	420	05.1466.40A	422
05.1347.14ANI	400	05.1367.14ACB	402	05.1407.14A	404	05.1426.40BDA	406	05.1446.40ANI	420	05.1466.40ACB	422
05.1347.14BDA	400	05.1367.14ANI	402	05.1407.14ACB	404	05.1427.14A	406	05.1446.40BDA	420	05.1466.40ANI	422
05.1347.40A	400	05.1367.14BDA	402	05.1407.14ANI	404	05.1427.14ACB	406	05.1447.14A	420	05.1466.40BDA	422
05.1347.40ACB	400	05.1367.40A	402	05.1407.14BDA	404	05.1427.14ANI	406	05.1447.14ACB	420	05.1467.14A	422
05.1347.40ANI	400	05.1367.40ACB	402	05.1407.40A	404	05.1427.14BDA	406	05.1447.14ANI	420	05.1467.14ACB	422
05.1347.40BDA	400	05.1367.40ANI	402	05.1407.40ACB	404	05.1427.40A	406	05.1447.14BDA	420	05.1467.14ANI	422
05.1350.14A	401	05.1367.40BDA	402	05.1407.40ANI	404	05.1427.40ACB	406	05.1447.40A	420	05.1467.14BDA	422
05.1350.14ACB	401	05.1370.14A	403	05.1407.40BDA	404	05.1427.40ANI	406	05.1447.40ACB	420	05.1467.40A	422
05.1350.14ANI	401	05.1370.14ACB	403	05.1410.14A	405	05.1427.40BDA	406	05.1447.40ANI	420	05.1467.40ACB	422
05.1350.14BDA	401	05.1370.14ANI	403	05.1410.14ACB	405	05.1430.14A	407	05.1447.40BDA	420	05.1467.40ANI	422
05.1350.40A	401	05.1370.14BDA	403	05.1410.14ANI	405	05.1430.14ACB	407	05.1450.14A	421	05.1467.40BDA	422
05.1350.40ACB	401	05.1370.40A	403	05.1410.14BDA	405	05.1430.14ANI	407	05.1450.14ACB	421	05.1470.14A	423
05.1350.40ANI	401	05.1370.40ACB	403	05.1410.40A	405	05.1430.14BDA	407	05.1450.14ANI	421	05.1470.14ACB	423
05.1350.40BDA	401	05.1370.40ANI	403	05.1410.40ACB	405	05.1430.40A	407	05.1450.14BDA	421	05.1470.14ANI	423
05.1351.14A	401	05.1370.40BDA	403	05.1410.40ANI	405	05.1430.40ACB	407	05.1450.40A	421	05.1470.14BDA	423
05.1351.14ACB	401	05.1371.14A	403	05.1410.40BDA	405	05.1430.40ANI	407	05.1450.40ACB	421	05.1470.40A	423
05.1351.14ANI	401	05.1371.14ACB	403	05.1411.14A	405	05.1430.40BDA	407	05.1450.40ANI	421	05.1470.40ACB	423

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05.1470.40BDA	423	05.1510.40ANI	409	05.1530.40ACB	411	05.1550.40A	425	05.1570.14BDA	427	05.1610.14ANI	413
05.1471.14A	423	05.1510.40BDA	409	05.1530.40ANI	411	05.1550.40ACB	425	05.1570.40A	427	05.1610.14BDA	413
05.1471.14ACB	423	05.1511.14A	409	05.1530.40BDA	411	05.1550.40ANI	425	05.1570.40ACB	427	05.1610.40A	413
05.1471.14ANI	423	05.1511.14ACB	409	05.1531.14A	411	05.1550.40BDA	425	05.1570.40ANI	427	05.1610.40ACB	413
05.1471.14BDA	423	05.1511.14ANI	409	05.1531.14ACB	411	05.1551.14A	425	05.1570.40BDA	427	05.1610.40ANI	413
05.1471.40A	423	05.1511.14BDA	409	05.1531.14ANI	411	05.1551.14ACB	425	05.1571.14A	427	05.1610.40BDA	413
05.1471.40ACB	423	05.1511.40A	409	05.1531.14BDA	411	05.1551.14ANI	425	05.1571.14ACB	427	05.1611.14A	413
05.1471.40ANI	423	05.1511.40ACB	409	05.1531.40A	411	05.1551.14BDA	425	05.1571.14ANI	427	05.1611.14ACB	413
05.1471.40BDA	423	05.1511.40ANI	409	05.1531.40ACB	411	05.1551.40A	425	05.1571.14BDA	427	05.1611.14ANI	413
05.1472.14A	423	05.1511.40BDA	409	05.1531.40ANI	411	05.1551.40ACB	425	05.1571.40A	427	05.1611.14BDA	413
05.1472.14ACB	423	05.1512.14A	409	05.1531.40BDA	411	05.1551.40ANI	425	05.1571.40ACB	427	05.1611.40A	413
05.1472.14ANI	423	05.1512.14ACB	409	05.1532.14A	411	05.1551.40BDA	425	05.1571.40ANI	427	05.1611.40ACB	413
05.1472.14BDA	423	05.1512.14ANI	409	05.1532.14ACB	411	05.1552.14A	425	05.1571.40BDA	427	05.1611.40ANI	413
05.1472.40A	423	05.1512.14BDA	409	05.1532.14ANI	411	05.1552.14ACB	425	05.1572.14A	427	05.1611.40BDA	413
05.1472.40ACB	423	05.1512.40A	409	05.1532.14BDA	411	05.1552.14ANI	425	05.1572.14ACB	427	05.1612.14A	413
05.1472.40ANI	423	05.1512.40ACB	409	05.1532.40A	411	05.1552.14BDA	425	05.1572.14ANI	427	05.1612.14ACB	413
05.1472.40BDA	423	05.1512.40ANI	409	05.1532.40ACB	411	05.1552.40A	425	05.1572.14BDA	427	05.1612.14ANI	413
05.1475.14A	423	05.1512.40BDA	409	05.1532.40ANI	411	05.1552.40ACB	425	05.1572.40A	427	05.1612.14BDA	413
05.1475.14ACB	423	05.1515.14A	409	05.1532.40BDA	411	05.1552.40ANI	425	05.1572.40ACB	427	05.1612.40A	413
05.1475.14ANI	423	05.1515.14ACB	409	05.1535.14A	411	05.1552.40BDA	425	05.1572.40ANI	427	05.1612.40ACB	413
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05.1475.40ANI	423	05.1515.40ACB	409	05.1535.40A	411	05.1555.14BDA	425	05.1575.14ANI	427	05.1615.14ACB	413
05.1475.40BDA	423	05.1515.40ANI	409	05.1535.40ACB	411	05.1555.40A	425	05.1575.14BDA	427	05.1615.14ANI	413
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05.1476.14ANI	423	05.1516.14ACB	409	05.1536.14A	411	05.1555.40BDA	425	05.1575.40ANI	427	05.1615.40ACB	413
05.1476.14BDA	423	05.1516.14ANI	409	05.1536.14ACB	411	05.1556.14A	425	05.1575.40BDA	427	05.1615.40ANI	413
05.1476.40A	423	05.1516.14BDA	409	05.1536.14ANI	411	05.1556.14ACB	425	05.1576.14A	427	05.1615.40BDA	413
05.1476.40ACB	423	05.1516.40A	409	05.1536.14BDA	411	05.1556.14ANI	425	05.1576.14ACB	427	05.1616.14A	413
05.1476.40ANI	423	05.1516.40ACB	409	05.1536.40A	411	05.1556.14BDA	425	05.1576.14ANI	427	05.1616.14ACB	413
05.1476.40BDA	423	05.1516.40ANI	409	05.1536.40ACB	411	05.1556.40A	425	05.1576.14BDA	427	05.1616.14ANI	413
05.1477.14A	423	05.1516.40BDA	409	05.1536.40ANI	411	05.1556.40ACB	425	05.1576.40A	427	05.1616.14BDA	413
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05.1477.40A	423	05.1517.14BDA	409	05.1537.14ANI	411	05.1557.14ACB	425	05.1577.14A	427	05.1616.40BDA	413
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05.1477.40BDA	423	05.1517.40ANI	409	05.1537.40ACB	411	05.1557.40A	425	05.1577.14BDA	427	05.1617.14ANI	413
05.1500.14A	408	05.1517.40BDA	409	05.1537.40ANI	411	05.1557.40ACB	425	05.1577.40A	427	05.1617.14BDA	413
05.1500.14ACB	408	05.1520.14A	410	05.1537.40BDA	411	05.1557.40ANI	425	05.1577.40ACB	427	05.1617.40A	413
05.1500.14ANI	408	05.1520.14ACB	410	05.1540.14A	424	05.1557.40BDA	425	05.1577.40ANI	427	05.1617.40ACB	413
05.1500.14BDA	408	05.1520.14ANI	410	05.1540.14ACB	424	05.1560.14A	426	05.1577.40BDA	427	05.1617.40ANI	413
05.1500.40A	408	05.1520.14BDA	410	05.1540.14ANI	424	05.1560.14ACB	426	05.1600.14A	412	05.1617.40BDA	413
05.1500.40ACB	408	05.1520.40A	410	05.1540.14BDA	424	05.1560.14ANI	426	05.1600.14ACB	412	05.1620.14A	414
05.1500.40ANI	408	05.1520.40ACB	410	05.1540.40A	424	05.1560.14BDA	426	05.1600.14ANI	412	05.1620.14ACB	414
05.1500.40BDA	408	05.1520.40ANI	410	05.1540.40ACB	424	05.1560.40A	426	05.1600.14BDA	412	05.1620.14ANI	414
05.1501.14A	408	05.1520.40BDA	410	05.1540.40ANI	424	05.1560.40ACB	426	05.1600.40A	412	05.1620.14BDA	414
05.1501.14ACB	408	05.1521.14A	410	05.1540.40BDA	424	05.1560.40ANI	426	05.1600.40ACB	412	05.1620.40A	414
05.1501.14ANI	408	05.1521.14ACB	410	05.1541.14A	424	05.1560.40BDA	426	05.1600.40ANI	412	05.1620.40ACB	414
05.1501.14BDA	408	05.1521.14ANI	410	05.1541.14ACB	424	05.1561.14A	426	05.1600.40BDA	412	05.1620.40ANI	414
05.1501.40A	408	05.1521.14BDA	410	05.1541.14ANI	424	05.1561.14ACB	426	05.1601.14A	412	05.1620.40BDA	414
05.1501.40ACB	408	05.1521.40A	410	05.1541.14BDA	424	05.1561.14ANI	426	05.1601.14ACB	412	05.1621.14A	414
05.1501.40ANI	408	05.1521.40ACB	410	05.1541.40A	424	05.1561.14BDA	426	05.1601.14ANI	412	05.1621.14ACB	414
05.1501.40BDA	408	05.1521.40ANI	410	05.1541.40ACB	424	05.1561.40A	426	05.1601.14BDA	412	05.1621.14ANI	414
05.1502.14A	408	05.1521.40BDA	410	05.1541.40ANI	424	05.1561.40ACB	426	05.1601.40A	412	05.1621.14BDA	414
05.1502.14ACB	408	05.1522.14A	410	05.1541.40BDA	424	05.1561.40ANI	426	05.1601.40ACB	412	05.1621.40A	414
05.1502.14ANI	408	05.1522.14ACB	410	05.1542.14A	424	05.1561.40BDA	426	05.1601.40ANI	412	05.1621.40ACB	414
05.1502.14BDA	408	05.1522.14ANI	410	05.1542.14ACB	424	05.1562.14A	426	05.1601.40BDA	412	05.1621.40ANI	414
05.1502.40A	408	05.1522.14BDA	410	05.1542.14ANI	424	05.1562.14ACB	426	05.1602.14A	412	05.1621.40BDA	414
05.1502.40ACB	408	05.1522.40A	410	05.1542.14BDA	424	05.1562.14ANI	426	05.1602.14ACB	412	05.1622.14A	414
05.1502.40ANI	408	05.1522.40ACB	410	05.1542.40A	424	05.1562.14BDA	426	05.1602.14ANI	412	05.1622.14ACB	414
05.1502.40BDA	408	05.1522.40ANI	410	05.1542.40ACB	424	05.1562.40A	426	05.1602.14BDA	412	05.1622.14ANI	414
05.1505.14A	408	05.1522.40BDA	410	05.1542.40ANI	424	05.1562.40ACB	426	05.1602.40A	412	05.1622.14BDA	414
05.1505.14ACB	408	05.1525.14A	410	05.1542.40BDA	424	05.1562.40ANI	426	05.1602.40ACB	412	05.1622.40A	414
05.1505.14ANI	408	05.1525.14ACB	410	05.1545.14A	424	05.1562.40BDA	426	05.1602.40ANI	412	05.1622.40ACB	414
05.1505.14BDA	408	05.1525.14ANI	410	05.1545.14ACB	424	05.1565.14A	426	05.1602.40BDA	412	05.1622.40ANI	414
05.1505.40A	408	05.1525.14BDA	410	05.1545.14ANI	424	05.1565.14ACB	426	05.1605.14A	412	05.1622.40BDA	414
05.1505.40ACB	408	05.1525.40A	410	05.1545.14BDA	424	05.1565.14ANI	426	05.1605.14ACB	412	05.1625.14A	414
05.1505.40ANI	408	05.1525.40ACB	410	05.1545.40A	424	05.1565.14BDA	426	05.1605.14ANI	412	05.1625.14ACB	414
05.1505.40BDA	408	05.1525.40ANI	410	05.1545.40ACB	424	05.1565.40A	426	05.1605.14BDA	412	05.1625.14ANI	414
05.1506.14A	408	05.1525.40BDA	410	05.1545.40ANI	424	05.1565.40ACB	426	05.1605.40A	412	05.1625.14BDA	414
05.1506.14ACB	408	05.1526.14A	410	05.1545.40BDA	424	05.1565.40ANI	426	05.1605.40ACB	412	05.1625.40A	414
05.1506.14ANI	408	05.1526.14ACB	410	05.1546.14A	424	05.1565.40BDA	426	05.1605.40ANI	412	05.1625.40ACB	414
05.1506.14BDA	408	05.1526.14ANI	410	05.1546.14ACB	424	05.1566.14A	426	05.1605.40BDA	412	05.1625.40ANI	414
05.1506.40A	408	05.1526.14BDA	410	05.1546.14ANI	424	05.1566.14ACB	426	05.1606.14A	412	05.1625.40BDA	414
05.1506.40ACB	408	05.1526.40A	410	05.1546.14BDA	424	05.1566.14ANI	426	05.1606.14ACB	412	05.1626.14A	414
05.1506.40ANI	408	05.1526.40ACB	410	05.1546.40A	424	05.1566.14BDA	426	05.1606.14ANI	412	05.1626.14ACB	414
05.1506.40BDA	408	05.1526.40ANI	410	05.1546.40ACB	424	05.1566.40A	426	05.1606.14BDA	412	05.1626.14ANI	414
05.1507.14A	408	05.1526.40BDA	410	05.1546.40ANI	424	05.1566.40ACB	426	05.1606.40A	412	05.1626.14BDA	414
05.1507.14ACB	408	05.1527.14A	410	05.1546.40BDA	424	05.1566.40ANI	426	05.1606.40ACB	412	05.1626.40A	414
05.1507.14ANI	408	05.1527.14ACB	410	05.1547.14A	424	05.1566.40BDA	426	05.1606.40ANI	412	05.1626.40ACB	414
05.1507.14BDA	408	05.1527.14ANI	410	05.1547.14ACB	424	05.1567.14A	426	05.1606.40BDA	412	05.1626.40ANI	414
05.1507.40A	408	05.1527.14BDA	410	05.1547.14ANI	424	05.1567.14ACB	426	05.1607.14A	412	05.1626.40BDA	414
05.1507.40ACB	408	05.1527.40A	410	05.1547.14BDA	424	05.1567.14ANI	426	05.1607.14ACB	412	05.1627.14A	414
05.1507.40ANI	408	05.1527.40ACB	410	05.1547.40A	424	05.1567.14BDA	426	05.1607.14ANI	412	05.1627.14ACB	414
05.1507.40BDA	408	05.1527.40ANI	410	05.1547.40ACB	424	05.1567.40A	426	05.1607.14BDA	412	05.1627.14ANI	414
05.1510.14A	409	05.1527.40BDA	410	05.1547.40ANI	424	05.1567.40ACB	426	05.1607.40A	412	05.1627.14BDA	414
05.1510.14ACB	409	05.1530.14A	411	05.1547.40BDA	424	05.1567.40ANI	426	05.1607.40ACB	412	05.1627.40A	414
05.1510.14ANI	409	05.1530.14ACB	411	05.1550.14A	425	05.1567.40BDA	426	05.1607.40ANI	412	05.1627.40ACB	414
05.1510.14BDA	409	05.1530.14ANI	411	05.1550.14ACB	425	05.1570.14A	427	05.1607.40BDA	412	05.1627.40ANI	414
05.1510.40A	409	05.1530.14BDA	411	05.1550.14ANI	425	05.1570.14ACB	427	05.1610.14A	413	05.1627.40BDA	414

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05.1630.14ANI	415	05.1650.14ACB	429	05.1670.14A	431	05.1707.40BDA	416	05.1727.40ANI	418	05.1747.40ACB	432
05.1630.14BDA	415	05.1650.14ANI	429	05.1670.14ACB	431	05.1710.14A	417	05.1727.40BDA	418	05.1747.40ANI	432
05.1630.40A	415	05.1650.14BDA	429	05.1670.14ANI	431	05.1710.14ACB	417	05.1730.14A	419	05.1747.40BDA	432
05.1630.40ACB	415	05.1650.40A	429	05.1670.14BDA	431	05.1710.14ANI	417	05.1730.14ACB	419	05.1750.14A	433
05.1630.40ANI	415	05.1650.40ACB	429	05.1670.40A	431	05.1710.14BDA	417	05.1730.14ANI	419	05.1750.14ACB	433
05.1630.40BDA	415	05.1650.40ANI	429	05.1670.40ACB	431	05.1710.40A	417	05.1730.14BDA	419	05.1750.14ANI	433
05.1631.14A	415	05.1650.40BDA	429	05.1670.40ANI	431	05.1710.40ACB	417	05.1730.40A	419	05.1750.14BDA	433
05.1631.14ACB	415	05.1651.14A	429	05.1670.40BDA	431	05.1710.40ANI	417	05.1730.40ACB	419	05.1750.40A	433
05.1631.14ANI	415	05.1651.14ACB	429	05.1671.14A	431	05.1710.40BDA	417	05.1730.40ANI	419	05.1750.40ACB	433
05.1631.14BDA	415	05.1651.14ANI	429	05.1671.14ACB	431	05.1711.14A	417	05.1730.40BDA	419	05.1750.40ANI	433
05.1631.40A	415	05.1651.14BDA	429	05.1671.14ANI	431	05.1711.14ACB	417	05.1731.14A	419	05.1750.40BDA	433
05.1631.40ACB	415	05.1651.40A	429	05.1671.14BDA	431	05.1711.14ANI	417	05.1731.14ACB	419	05.1751.14A	433
05.1631.40ANI	415	05.1651.40ACB	429	05.1671.40A	431	05.1711.14BDA	417	05.1731.14ANI	419	05.1751.14ACB	433
05.1631.40BDA	415	05.1651.40ANI	429	05.1671.40ACB	431	05.1711.40A	417	05.1731.14BDA	419	05.1751.14ANI	433
05.1632.14A	415	05.1651.40BDA	429	05.1671.40ANI	431	05.1711.40ACB	417	05.1731.40A	419	05.1751.14BDA	433
05.1632.14ACB	415	05.1652.14A	429	05.1671.40BDA	431	05.1711.40ANI	417	05.1731.40ACB	419	05.1751.40A	433
05.1632.14ANI	415	05.1652.14ACB	429	05.1672.14A	431	05.1711.40BDA	417	05.1731.40ANI	419	05.1751.40ACB	433
05.1632.14BDA	415	05.1652.14ANI	429	05.1672.14ACB	431	05.1712.14A	417	05.1731.40BDA	419	05.1751.40ANI	433
05.1632.40A	415	05.1652.14BDA	429	05.1672.14ANI	431	05.1712.14ACB	417	05.1732.14A	419	05.1751.40BDA	433
05.1632.40ACB	415	05.1652.40A	429	05.1672.14BDA	431	05.1712.14ANI	417	05.1732.14ACB	419	05.1752.14A	433
05.1632.40ANI	415	05.1652.40ACB	429	05.1672.40A	431	05.1712.14BDA	417	05.1732.14ANI	419	05.1752.14ACB	433
05.1632.40BDA	415	05.1652.40ANI	429	05.1672.40ACB	431	05.1712.40A	417	05.1732.14BDA	419	05.1752.14ANI	433
05.1635.14A	415	05.1652.40BDA	429	05.1672.40ANI	431	05.1712.40ACB	417	05.1732.40A	419	05.1752.14BDA	433
05.1635.14ACB	415	05.1655.14A	429	05.1672.40BDA	431	05.1712.40ANI	417	05.1732.40ACB	419	05.1752.40A	433
05.1635.14ANI	415	05.1655.14ACB	429	05.1675.14A	431	05.1712.40BDA	417	05.1732.40ANI	419	05.1752.40ACB	433
05.1635.14BDA	415	05.1655.14ANI	429	05.1675.14ACB	431	05.1715.14A	417	05.1732.40BDA	419	05.1752.40ANI	433
05.1635.40A	415	05.1655.14BDA	429	05.1675.14ANI	431	05.1715.14ACB	417	05.1735.14A	419	05.1752.40BDA	433
05.1635.40ACB	415	05.1655.40A	429	05.1675.14BDA	431	05.1715.14ANI	417	05.1735.14ACB	419	05.1755.14A	433
05.1635.40ANI	415	05.1655.40ACB	429	05.1675.40A	431	05.1715.14BDA	417	05.1735.14ANI	419	05.1755.14ACB	433
05.1635.40BDA	415	05.1655.40ANI	429	05.1675.40ACB	431	05.1715.40A	417	05.1735.14BDA	419	05.1755.14ANI	433
05.1636.14A	415	05.1655.40BDA	429	05.1675.40ANI	431	05.1715.40ACB	417	05.1735.40A	419	05.1755.14BDA	433
05.1636.14ACB	415	05.1656.14A	429	05.1675.40BDA	431	05.1715.40ANI	417	05.1735.40ACB	419	05.1755.40A	433
05.1636.14ANI	415	05.1656.14ACB	429	05.1676.14A	431	05.1715.40BDA	417	05.1735.40ANI	419	05.1755.40ACB	433
05.1636.14BDA	415	05.1656.14ANI	429	05.1676.14ACB	431	05.1716.14A	417	05.1735.40BDA	419	05.1755.40ANI	433
05.1636.40A	415	05.1656.14BDA	429	05.1676.14ANI	431	05.1716.14ACB	417	05.1736.14A	419	05.1755.40BDA	433
05.1636.40ACB	415	05.1656.40A	429	05.1676.14BDA	431	05.1716.14ANI	417	05.1736.14ACB	419	05.1756.14A	433
05.1636.40ANI	415	05.1656.40ACB	429	05.1676.40A	431	05.1716.14BDA	417	05.1736.14ANI	419	05.1756.14ACB	433
05.1636.40BDA	415	05.1656.40ANI	429	05.1676.40ACB	431	05.1716.40A	417	05.1736.14BDA	419	05.1756.14ANI	433
05.1637.14A	415	05.1656.40BDA	429	05.1676.40ANI	431	05.1716.40ACB	417	05.1736.40A	419	05.1756.14BDA	433
05.1637.14ACB	415	05.1657.14A	429	05.1676.40BDA	431	05.1716.40ANI	417	05.1736.40ACB	419	05.1756.40A	433
05.1637.14ANI	415	05.1657.14ACB	429	05.1677.14A	431	05.1716.40BDA	417	05.1736.40ANI	419	05.1756.40ACB	433
05.1637.14BDA	415	05.1657.14ANI	429	05.1677.14ACB	431	05.1717.14A	417	05.1736.40BDA	419	05.1756.40ANI	433
05.1637.40A	415	05.1657.14BDA	429	05.1677.14ANI	431	05.1717.14ACB	417	05.1737.14A	419	05.1756.40BDA	433
05.1637.40ACB	415	05.1657.40A	429	05.1677.14BDA	431	05.1717.14ANI	417	05.1737.14ACB	419	05.1757.14A	433
05.1637.40ANI	415	05.1657.40ACB	429	05.1677.40A	431	05.1717.14BDA	417	05.1737.14ANI	419	05.1757.14ACB	433
05.1637.40BDA	415	05.1657.40ANI	429	05.1677.40ACB	431	05.1717.40A	417	05.1737.14BDA	419	05.1757.14ANI	433
05.1640.14A	428	05.1657.40BDA	429	05.1677.40ANI	431	05.1717.40ACB	417	05.1737.40A	419	05.1757.14BDA	433
05.1640.14ACB	428	05.1660.14A	430	05.1677.40BDA	431	05.1717.40ANI	417	05.1737.40ACB	419	05.1757.40A	433
05.1640.14ANI	428	05.1660.14ACB	430	05.1700.14A	416	05.1717.40BDA	417	05.1737.40ANI	419	05.1757.40ACB	433
05.1640.14BDA	428	05.1660.14ANI	430	05.1700.14ACB	416	05.1720.14A	418	05.1737.40BDA	419	05.1757.40ANI	433
05.1640.40A	428	05.1660.14BDA	430	05.1700.14ANI	416	05.1720.14ACB	418	05.1740.14A	432	05.1757.40BDA	433
05.1640.40ACB	428	05.1660.40A	430	05.1700.14BDA	416	05.1720.14ANI	418	05.1740.14ACB	432	05.1760.14A	434
05.1640.40ANI	428	05.1660.40ACB	430	05.1700.40A	416	05.1720.14BDA	418	05.1740.14ANI	432	05.1760.14ACB	434
05.1640.40BDA	428	05.1660.40ANI	430	05.1700.40ACB	416	05.1720.40A	418	05.1740.14BDA	432	05.1760.14ANI	434
05.1641.14A	428	05.1660.40BDA	430	05.1700.40ANI	416	05.1720.40ACB	418	05.1740.40A	432	05.1760.14BDA	434
05.1641.14ACB	428	05.1661.14A	430	05.1700.40BDA	416	05.1720.40ANI	418	05.1740.40ACB	432	05.1760.40A	434
05.1641.14ANI	428	05.1661.14ACB	430	05.1701.14A	416	05.1720.40BDA	418	05.1740.40ANI	432	05.1760.40ACB	434
05.1641.14BDA	428	05.1661.14ANI	430	05.1701.14ACB	416	05.1721.14A	418	05.1740.40BDA	432	05.1760.40ANI	434
05.1641.40A	428	05.1661.14BDA	430	05.1701.14ANI	416	05.1721.14ACB	418	05.1741.14A	432	05.1760.40BDA	434
05.1641.40ACB	428	05.1661.40A	430	05.1701.14BDA	416	05.1721.14ANI	418	05.1741.14ACB	432	05.1761.14A	434
05.1641.40ANI	428	05.1661.40ACB	430	05.1701.40A	416	05.1721.14BDA	418	05.1741.14ANI	432	05.1761.14ACB	434
05.1641.40BDA	428	05.1661.40ANI	430	05.1701.40ACB	416	05.1721.40A	418	05.1741.14BDA	432	05.1761.14ANI	434
05.1642.14A	428	05.1661.40BDA	430	05.1701.40ANI	416	05.1721.40ACB	418	05.1741.40A	432	05.1761.14BDA	434
05.1642.14ACB	428	05.1662.14A	430	05.1701.40BDA	416	05.1721.40ANI	418	05.1741.40ACB	432	05.1761.40A	434
05.1642.14ANI	428	05.1662.14ACB	430	05.1702.14A	416	05.1721.40BDA	418	05.1741.40ANI	432	05.1761.40ACB	434
05.1642.14BDA	428	05.1662.14ANI	430	05.1702.14ACB	416	05.1722.14A	418	05.1741.40BDA	432	05.1761.40ANI	434
05.1642.40A	428	05.1662.14BDA	430	05.1702.14ANI	416	05.1722.14ACB	418	05.1742.14A	432	05.1761.40BDA	434
05.1642.40ACB	428	05.1662.40A	430	05.1702.14BDA	416	05.1722.14ANI	418	05.1742.14ACB	432	05.1762.14A	434
05.1642.40ANI	428	05.1662.40ACB	430	05.1702.40A	416	05.1722.14BDA	418	05.1742.14ANI	432	05.1762.14ACB	434
05.1642.40BDA	428	05.1662.40ANI	430	05.1702.40ACB	416	05.1722.40A	418	05.1742.14BDA	432	05.1762.14ANI	434
05.1645.14A	428	05.1662.40BDA	430	05.1702.40ANI	416	05.1722.40ACB	418	05.1742.40A	432	05.1762.14BDA	434
05.1645.14ACB	428	05.1665.14A	430	05.1702.40BDA	416	05.1722.40ANI	418	05.1742.40ACB	432	05.1762.40A	434
05.1645.14ANI	428	05.1665.14ACB	430	05.1705.14A	416	05.1722.40BDA	418	05.1742.40ANI	432	05.1762.40ACB	434
05.1645.14BDA	428	05.1665.14ANI	430	05.1705.14ACB	416	05.1725.14A	418	05.1742.40BDA	432	05.1762.40ANI	434
05.1645.40A	428	05.1665.14BDA	430	05.1705.14ANI	416	05.1725.14ACB	418	05.1745.14A	432	05.1762.40BDA	434
05.1645.40ACB	428	05.1665.40A	430	05.1705.14BDA	416	05.1725.14ANI	418	05.1745.14ACB	432	05.1765.14A	434
05.1645.40ANI	428	05.1665.40ACB	430	05.1705.40A	416	05.1725.14BDA	418	05.1745.14ANI	432	05.1765.14ACB	434
05.1645.40BDA	428	05.1665.40ANI	430	05.1705.40ACB	416	05.1725.40A	418	05.1745.14BDA	432	05.1765.14ANI	434
05.1646.14A	428	05.1665.40BDA	430	05.1705.40ANI	416	05.1725.40ACB	418	05.1745.40A	432	05.1765.14BDA	434
05.1646.14ACB	428	05.1666.14A	430	05.1705.40BDA	416	05.1725.40ANI	418	05.1745.40ACB	432	05.1765.40A	434
05.1646.14ANI	428	05.1666.14ACB	430	05.1706.14A	416	05.1725.40BDA	418	05.1745.40ANI	432	05.1765.40ACB	434
05.1646.14BDA	428	05.1666.14ANI	430	05.1706.14ACB	416	05.1726.14A	418	05.1745.40BDA	432	05.1765.40ANI	434
05.1646.40A	428	05.1666.14BDA	430	05.1706.14ANI	416	05.1726.14ACB	418	05.1746.14A	432	05.1765.40BDA	434
05.1646.40ACB	428	05.1666.40A	430	05.1706.14BDA	416	05.1726.14ANI	418	05.1746.14ACB	432	05.1766.14A	434
05.1646.40ANI	428	05.1666.40ACB	430	05.1706.40A	416	05.1726.14BDA	418	05.1746.14ANI	432	05.1766.14ACB	434
05.1646.40BDA	428	05.1666.40ANI	430	05.1706.40ACB	416	05.1726.40A	418	05.1746.14BDA	432	05.1766.14ANI	434
05.1647.14A	428	05.1666.40BDA	430	05.1706.40ANI	416	05.1726.40ACB	418	05.1746.40A	432	05.1766.14BDA	434
05.1647.14ACB	428	05.1667.14A	430	05.1706.40BDA	416	05.1726.40ANI	418	05.1746.40ACB	432	05.1766.40A	434
05.1647.14ANI	428	05.1667.14ACB	430	05.1707.14A	416	05.1726.40BDA	418	05.1746.40ANI	432	05.1766.40ACB	434
05.1647.14BDA	428	05.1667.14ANI	430	05.1707.14ACB	416	05.1727.14A	418	05.1746.40BDA	432	05.1766.40ANI	434
05.1647.40A	428	05.1667.14BDA	430	05.1707.14ANI	416	05.1727.14ACB	418	05.1747.14A	432	05.1766.40BDA	434
05.1647.40ACB	428	05.1667.40A	430	05.1707.14BDA	416	05.1727.14ANI	418	05.1747.14ACB	432	05.1767.14A	434
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05.1775.14ANI	435	05.1820.14ACB	176	05.2132.40A	441	05.2266.14ADA	440	05.2506.EQ	462	05.2611.EQ	474
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05.1775.40A	435	05.1820.40A	176	05.2133.40A	441	05.2270.14ADA	441	05.2506.ES	462	05.2611.ER	474
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05.1776.14ANI	435	05.1821.40A	176	05.2142.14A	438	05.2276.14ADA	441	05.2510.14	462	05.2612.14	474
05.1776.14BDA	435	05.1821.40ACB	176	05.2142.14ADA	438	05.2300.14A	438	05.2510.40	462	05.2612.14.NI	474
05.1776.40A	435	05.1821.40ADA	176	05.2143.14A	438	05.2300.14ADA	438	05.2510.EQ	462	05.2612.40	474
05.1776.40ACB	435	05.1822.14A	176	05.2143.14ADA	438	05.2301.14A	438	05.2510.ER	462	05.2612.40.NI	474
05.1776.40ANI	435	05.1822.14ACB	176	05.2147.14A	438	05.2301.14ADA	438	05.2510.ES	462	05.2612.EQ	474
05.1776.40BDA	435	05.1822.14ADA	176	05.2147.14ADA	438	05.2305.14A	438	05.2511.14	462	05.2612.EQ.NI	474
05.1777.14A	435	05.1822.40A	176	05.2148.14A	438	05.2305.14ADA	438	05.2511.40	462	05.2612.TK	474
05.1777.14ACB	435	05.1822.40ACB	176	05.2148.14ADA	438	05.2306.14A	438	05.2511.EQ	462	05.2612.TK.NI	474
05.1777.14ANI	435	05.1822.40ADA	176	05.2152.14A	439	05.2306.14ADA	438	05.2511.ER	462	05.2613.14	474
05.1777.14BDA	435	05.1825.14A	176	05.2152.14ADA	439	05.2310.14A	439	05.2511.ES	462	05.2613.14.NI	474
05.1777.40A	435	05.1825.14ACB	176	05.2153.14A	439	05.2310.14ADA	439	05.2512.14	462	05.2613.40	474
05.1777.40ACB	435	05.1825.14ADA	176	05.2153.14ADA	439	05.2311.14A	439	05.2512.40	462	05.2613.40.NI	474
05.1777.40ANI	435	05.1825.40A	176	05.2157.14A	439	05.2311.14ADA	439	05.2512.EQ	462	05.2613.ER	474
05.1777.40BDA	435	05.1825.40ACB	176	05.2157.14ADA	439	05.2315.14A	439	05.2512.ER	462	05.2613.ER.NI	474
05.1800.14A	174	05.1825.40ADA	176	05.2158.14A	439	05.2315.14ADA	439	05.2512.ES	462	05.2614.ES	474
05.1800.14ACB	174	05.1826.14A	176	05.2158.14ADA	439	05.2316.14A	439	05.2600.14	472	05.2614.ES.NI	474
05.1800.14ADA	174	05.1826.14ACB	176	05.2162.14A	440	05.2316.14ADA	439	05.2600.14.NI	472	05.2615.14	475
05.1800.40A	174	05.1826.14ADA	176	05.2162.14ADA	440	05.2320.14A	440	05.2600.40	472	05.2615.14.NI	475
05.1800.40ACB	174	05.1826.40A	176	05.2163.14A	440	05.2320.14ADA	440	05.2600.40.NI	472	05.2615.40	475
05.1800.40ADA	174	05.1826.40ACB	176	05.2163.14ADA	440	05.2321.14A	440	05.2601.14	472	05.2615.40.NI	475
05.1801.14A	174	05.1826.40ADA	176	05.2167.14A	440	05.2321.14ADA	440	05.2601.14.NI	472	05.2616.14	475
05.1801.14ACB	174	05.1827.14A	176	05.2167.14ADA	440	05.2325.14A	440	05.2601.40	472	05.2616.14.NI	475
05.1801.14ADA	174	05.1827.14ACB	176	05.2168.14A	440	05.2325.14ADA	440	05.2601.40.NI	472	05.2616.40	475
05.1801.40A	174	05.1827.14ADA	176	05.2168.14ADA	440	05.2326.14A	440	05.2601.EQ	472	05.2616.40.NI	475
05.1801.40ACB	174	05.1827.40A	176	05.2172.14A	441	05.2326.14ADA	440	05.2601.EQ.NI	472	05.2616.EQ	475
05.1801.40ADA	174	05.1827.40ACB	176	05.2172.14ADA	441	05.2330.14A	441	05.2601.ER	472	05.2616.EQ.NI	475
05.1802.14A	174	05.1827.40ADA	176	05.2173.14A	441	05.2330.14ADA	441	05.2601.ER.NI	472	05.2616.ER	475
05.1802.14ACB	174	05.1830.14A	177	05.2173.14ADA	441	05.2331.14A	441	05.2601.ES	472	05.2616.ER.NI	475
05.1802.14ADA	174	05.1830.14ACB	177	05.2177.14A	441	05.2331.14ADA	441	05.2601.ES.NI	472	05.2616.ES	475
05.1802.40A	174	05.1830.14ADA	177	05.2177.14ADA	441	05.2335.14A	441	05.2601.TK	472	05.2616.ES.NI	475
05.1802.40ACB	174	05.1830.40A	177	05.2178.14A	441	05.2335.14ADA	441	05.2601.TK.NI	472	05.2616.TK	475
05.1802.40ADA	174	05.1830.40ACB	177	05.2178.14ADA	441	05.2336.14A	441	05.2602.14	472	05.2616.TK.NI	475
05.1805.14A	174	05.1830.40ADA	177	05.2200.14A	438	05.2336.14ADA	441	05.2602.14.NI	472	05.2617.14	475
05.1805.14ACB	174	05.1831.14A	177	05.2200.14ADA	438	05.2340.14A	438	05.2602.40	472	05.2617.14.NI	475
05.1805.14ADA	174	05.1831.14ACB	177	05.2201.14A	438	05.2340.14ADA	438	05.2602.40.NI	472	05.2617.40	475
05.1805.40A	174	05.1831.14ADA	177	05.2201.14ADA	438	05.2341.14A	438	05.2602.EQ	472	05.2617.40.NI	475
05.1805.40ACB	174	05.1831.40A	177	05.2205.14A	438	05.2341.14ADA	438	05.2602.EQ.NI	472	05.2617.EQ	475
05.1805.40ADA	174	05.1831.40ACB	177	05.2205.14ADA	438	05.2345.14A	438	05.2602.TK	472	05.2617.EQ.NI	475
05.1806.14A	174	05.1831.40ADA	177	05.2206.14A	438	05.2345.14ADA	438	05.2602.TK.NI	472	05.2617.TK	475
05.1806.14ACB	174	05.1832.14A	177	05.2206.14ADA	438	05.2346.14A	438	05.2603.14	472	05.2617.TK.NI	475
05.1806.14ADA	174	05.1832.14ACB	177	05.2210.14A	439	05.2346.14ADA	438	05.2603.14.NI	472	05.2618.14	475
05.1806.40A	174	05.1832.14ADA	177	05.2210.14ADA	439	05.2350.14A	439	05.2603.40	472	05.2618.14.NI	475
05.1806.40ACB	174	05.1832.40A	177	05.2211.14A	439	05.2350.14ADA	439	05.2603.40.NI	472	05.2618.40	475
05.1806.40ADA	174	05.1832.40ACB	177	05.2211.14ADA	439	05.2351.14A	439	05.2603.ER	472	05.2618.40.NI	475
05.1807.14A	174	05.1832.40ADA	177	05.2215.14A	439	05.2351.14ADA	439	05.2603.ER.NI	472	05.2618.ER	475
05.1807.14ACB	174	05.1835.14A	177	05.2215.14ADA	439	05.2355.14A	439	05.2604.ES	472	05.2618.ER.NI	475
05.1807.14ADA	174	05.1835.14ACB	177	05.2216.14A	439	05.2355.14ADA	439	05.2604.ES.NI	472	05.2619.ES	475
05.1807.40A	174	05.1835.14ADA	177	05.2216.14ADA	439	05.2356.14A	439	05.2605.14	473	05.2619.ES.NI	475
05.1807.40ACB	174	05.1835.40A	177	05.2220.14A	440	05.2356.14ADA	439	05.2605.14.NI	473	05.2620.14	472
05.1807.40ADA	174	05.1835.40ACB	177	05.2220.14ADA	440	05.2360.14A	440	05.2605.40	473	05.2620.14.NI	472
05.1810.14A	175	05.1835.40ADA	177	05.2221.14A	440	05.2360.14ADA	440	05.2605.40.NI	473	05.2620.40	472
05.1810.14ACB	175	05.1836.14A	177	05.2221.14ADA	440	05.2361.14A	440	05.2606.14	473	05.2620.40.NI	472
05.1810.14ADA	175	05.1836.14ACB	177	05.2225.14A	440	05.2361.14ADA	440	05.2606.14.NI	473	05.2621.14	472
05.1810.40A	175	05.1836.14ADA	177	05.2225.14ADA	440	05.2365.14A	440	05.2606.40	473	05.2621.14.NI	472
05.1810.40ACB	175	05.1836.40A	177	05.2226.14A	440	05.2365.14ADA	440	05.2606.40.NI	473	05.2621.40	472

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.2621.40.NI	472	05.2636.40	475	05.2651.14.NI	474	05.2711.EQ	469	05.2751.40	469	05.3201.EQ.1V	100
05.2621.EQ	472	05.2636.40.NI	475	05.2651.40	474	05.2711.ER	469	05.2751.EQ	469	05.3201.EQ.DA	100
05.2621.EQ.NI	472	05.2636.EQ	475	05.2651.40.NI	474	05.2711.ES	469	05.2751.ER	469	05.3201.ER	100
05.2621.ER	472	05.2636.EQ.NI	475	05.2651.EQ	474	05.2711.TK	469	05.2751.ES	469	05.3201.ER.1V	100
05.2621.ER.NI	472	05.2636.ER	475	05.2651.EQ.NI	474	05.2712.14	469	05.2751.TK	469	05.3201.ER.DA	100
05.2621.ES	472	05.2636.ER.NI	475	05.2651.ER	474	05.2712.40	469	05.2752.14	469	05.3201.ES	100
05.2621.ES.NI	472	05.2636.ES	475	05.2651.ER.NI	474	05.2712.EQ	469	05.2752.40	469	05.3201.ES.1V	100
05.2621.TK	472	05.2636.ES.NI	475	05.2651.ES	474	05.2712.TK	469	05.2752.EQ	469	05.3201.ES.DA	100
05.2621.TK.NI	472	05.2636.TK	475	05.2651.ES.NI	474	05.2713.14	469	05.2752.TK	469	05.3210.14	101
05.2622.14	472	05.2636.TK.NI	475	05.2651.TK	474	05.2713.40	469	05.2753.14	469	05.3210.14.1V	101
05.2622.14.NI	472	05.2637.14	475	05.2651.TK.NI	474	05.2713.ER	469	05.2753.40	469	05.3210.14.DA	101
05.2622.40	472	05.2637.14.NI	475	05.2652.14	474	05.2714.ES	469	05.2753.ER	469	05.3210.40	101
05.2622.40.NI	472	05.2637.40	475	05.2652.14.NI	474	05.2720.14	468	05.2754.ES	469	05.3210.40.1V	101
05.2622.EQ	472	05.2637.40.NI	475	05.2652.40	474	05.2720.40	468	05.2900.C5	28	05.3210.40.DA	101
05.2622.EQ.NI	472	05.2637.EQ	475	05.2652.40.NI	474	05.2721.14	468	05.2901.C5	28	05.3210.EQ	101
05.2622.TK	472	05.2637.EQ.NI	475	05.2652.EQ	474	05.2721.40	468	05.2902.C5	28	05.3210.EQ.1V	101
05.2622.TK.NI	472	05.2637.TK	475	05.2652.EQ.NI	474	05.2721.EQ	468	05.2905.C5	28	05.3210.EQ.DA	101
05.2623.14	472	05.2637.TK.NI	475	05.2652.TK	474	05.2721.ER	468	05.2906.C5	28	05.3210.ER	101
05.2623.14.NI	472	05.2638.14	475	05.2652.TK.NI	474	05.2721.ES	468	05.2907.C5	28	05.3210.ER.1V	101
05.2623.40	472	05.2638.14.NI	475	05.2653.14	474	05.2721.TK	468	05.2910.C5	29	05.3210.ER.DA	101
05.2623.40.NI	472	05.2638.40	475	05.2653.14.NI	474	05.2722.14	468	05.2911.C5	29	05.3210.ES	101
05.2623.ER	472	05.2638.40.NI	475	05.2653.40	474	05.2722.40	468	05.2912.C5	29	05.3210.ES.1V	101
05.2623.ER.NI	472	05.2638.ER	475	05.2653.40.NI	474	05.2722.EQ	468	05.2915.C5	29	05.3210.ES.DA	101
05.2624.ES	472	05.2638.ER.NI	475	05.2653.ER	474	05.2722.TK	468	05.2916.C5	29	05.3211.14	101
05.2624.ES.NI	472	05.2639.ES	475	05.2653.ER.NI	474	05.2723.14	468	05.2917.C5	29	05.3211.14.1V	101
05.2625.14	473	05.2639.ES.NI	475	05.2654.ES	474	05.2723.40	468	05.2920.C5	28	05.3211.14.DA	101
05.2625.14.NI	473	05.2640.14	472	05.2654.ES.NI	474	05.2723.ER	468	05.2921.C5	28	05.3211.40	101
05.2625.40	473	05.2640.14.NI	472	05.2655.14	475	05.2724.ES	468	05.2922.C5	28	05.3211.40.1V	101
05.2625.40.NI	473	05.2640.40	472	05.2655.14.NI	475	05.2725.14	468	05.2925.C5	28	05.3211.40.DA	101
05.2626.14	473	05.2640.40.NI	472	05.2655.40	475	05.2725.40	468	05.2926.C5	28	05.3211.EQ	101
05.2626.14.NI	473	05.2641.14	472	05.2655.40.NI	475	05.2726.14	468	05.2927.C5	28	05.3211.EQ.1V	101
05.2626.40	473	05.2641.14.NI	472	05.2656.14	475	05.2726.40	468	05.2930.C5	29	05.3211.EQ.DA	101
05.2626.40.NI	473	05.2641.40	472	05.2656.14.NI	475	05.2726.EQ	468	05.2931.C5	29	05.3211.ER	101
05.2626.EQ	473	05.2641.40.NI	472	05.2656.40	475	05.2726.ER	468	05.2932.C5	29	05.3211.ER.1V	101
05.2626.EQ.NI	473	05.2641.EQ	472	05.2656.40.NI	475	05.2726.ES	468	05.2935.C5	29	05.3211.ER.DA	101
05.2626.ER	473	05.2641.EQ.NI	472	05.2656.EQ	475	05.2726.TK	468	05.2936.C5	29	05.3211.ES	101
05.2626.ER.NI	473	05.2641.ER	472	05.2656.EQ.NI	475	05.2727.14	468	05.2937.C5	29	05.3211.ES.1V	101
05.2626.ES	473	05.2641.ER.NI	472	05.2656.ER	475	05.2727.40	468	05.2950.C5	30	05.3211.ES.DA	101
05.2626.ES.NI	473	05.2641.ES	472	05.2656.ER.NI	475	05.2727.EQ	468	05.2951.C5	30	05.3220.14	100
05.2626.TK	473	05.2641.ES.NI	472	05.2656.ES	475	05.2727.TK	468	05.2952.C5	30	05.3220.14.1V	100
05.2626.TK.NI	473	05.2641.TK	472	05.2656.ES.NI	475	05.2728.14	468	05.2953.C5	30	05.3220.14.DA	100
05.2627.14	473	05.2641.TK.NI	472	05.2656.TK	475	05.2728.40	468	05.2955.C5	30	05.3220.40	100
05.2627.14.NI	473	05.2642.14	472	05.2656.TK.NI	475	05.2728.ER	468	05.2956.C5	30	05.3220.40.1V	100
05.2627.40	473	05.2642.14.NI	472	05.2657.14	475	05.2729.ES	468	05.2957.C5	30	05.3220.40.DA	100
05.2627.40.NI	473	05.2642.40	472	05.2657.14.NI	475	05.2730.14	469	05.2958.C5	30	05.3220.EQ	100
05.2627.EQ	473	05.2642.40.NI	472	05.2657.40	475	05.2730.40	469	05.2960.C5	31	05.3220.EQ.1V	100
05.2627.EQ.NI	473	05.2642.EQ	472	05.2657.40.NI	475	05.2731.14	469	05.2961.C5	31	05.3220.EQ.DA	100
05.2627.TK	473	05.2642.EQ.NI	472	05.2657.EQ	475	05.2731.40	469	05.2962.C5	31	05.3220.ER	100
05.2627.TK.NI	473	05.2642.TK	472	05.2657.EQ.NI	475	05.2731.EQ	469	05.2965.C5	31	05.3220.ER.1V	100
05.2628.14	473	05.2642.TK.NI	472	05.2657.TK	475	05.2731.ER	469	05.2966.C5	31	05.3220.ER.DA	100
05.2628.14.NI	473	05.2643.14	472	05.2657.TK.NI	475	05.2731.ES	469	05.2967.C5	31	05.3220.ES	100
05.2628.40	473	05.2643.14.NI	472	05.2658.14	475	05.2731.TK	469	05.2970.C5	30	05.3220.ES.1V	100
05.2628.40.NI	473	05.2643.40	472	05.2658.14.NI	475	05.2732.14	469	05.2971.C5	30	05.3220.ES.DA	100
05.2628.ER	473	05.2643.40.NI	472	05.2658.40	475	05.2732.40	469	05.2972.C5	30	05.3221.14	100
05.2628.ER.NI	473	05.2643.ER	472	05.2658.40.NI	475	05.2732.EQ	469	05.2973.C5	30	05.3221.14.1V	100
05.2629.ES	473	05.2643.ER.NI	472	05.2658.ER	475	05.2732.TK	469	05.2975.C5	30	05.3221.14.DA	100
05.2629.ES.NI	473	05.2644.ES	472	05.2658.ER.NI	475	05.2733.14	469	05.2976.C5	30	05.3221.40	100
05.2630.14	474	05.2644.ES.NI	472	05.2659.ES	475	05.2733.40	469	05.2977.C5	30	05.3221.40.1V	100
05.2630.14.NI	474	05.2645.14	473	05.2659.ES.NI	475	05.2733.ER	469	05.2978.C5	30	05.3221.40.DA	100
05.2630.40	474	05.2645.14.NI	473	05.2700.14	468	05.2734.ES	469	05.2980.C5	31	05.3221.EQ	100
05.2630.40.NI	474	05.2645.40	473	05.2700.40	468	05.2740.14	468	05.2981.C5	31	05.3221.EQ.1V	100
05.2631.14	474	05.2645.40.NI	473	05.2701.14	468	05.2740.40	468	05.2982.C5	31	05.3221.EQ.DA	100
05.2631.14.NI	474	05.2646.14	473	05.2701.40	468	05.2741.14	468	05.2985.C5	31	05.3221.ER	100
05.2631.40	474	05.2646.14.NI	473	05.2701.EQ	468	05.2741.40	468	05.2986.C5	31	05.3221.ER.1V	100
05.2631.40.NI	474	05.2646.40	473	05.2701.ER	468	05.2741.EQ	468	05.2987.C5	31	05.3221.ER.DA	100
05.2631.EQ	474	05.2646.40.NI	473	05.2701.ES	468	05.2741.ER	468	05.2990.C5	32	05.3221.ES	100
05.2631.EQ.NI	474	05.2646.EQ	473	05.2701.TK	468	05.2741.ES	468	05.2991.C5	33	05.3221.ES.1V	100
05.2631.ER	474	05.2646.EQ.NI	473	05.2702.14	468	05.2741.TK	468	05.2992.C5	32	05.3221.ES.DA	100
05.2631.ER.NI	474	05.2646.ER	473	05.2702.40	468	05.2742.14	468	05.2993.C5	33	05.3230.14	101
05.2631.ES	474	05.2646.ER.NI	473	05.2702.EQ	468	05.2742.40	468	05.2994.C5	34	05.3230.14.1V	101
05.2631.ES.NI	474	05.2646.ES	473	05.2702.TK	468	05.2742.EQ	468	05.2995.C5	35	05.3230.14.DA	101
05.2631.TK	474	05.2646.ES.NI	473	05.2703.14	468	05.2742.TK	468	05.2996.C5	34	05.3230.40	101
05.2631.TK.NI	474	05.2646.TK	473	05.2703.40	468	05.2743.14	468	05.2997.C5	35	05.3230.40.1V	101
05.2632.14	474	05.2646.TK.NI	473	05.2703.ER	468	05.2743.40	468	05.3200.14	100	05.3230.40.DA	101
05.2632.14.NI	474	05.2647.14	473	05.2704.ES	468	05.2743.ER	468	05.3200.14.1V	100	05.3230.EQ	101
05.2632.40	474	05.2647.14.NI	473	05.2705.14	468	05.2744.ES	468	05.3200.14.DA	100	05.3230.EQ.1V	101
05.2632.40.NI	474	05.2647.40	473	05.2705.40	468	05.2745.14	468	05.3200.40	100	05.3230.EQ.DA	101
05.2632.EQ	474	05.2647.40.NI	473	05.2706.14	468	05.2745.40	468	05.3200.40.1V	100	05.3230.ER	101
05.2632.EQ.NI	474	05.2647.EQ	473	05.2706.40	468	05.2746.14	468	05.3200.40.DA	100	05.3230.ER.1V	101
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05.2633.40.NI	474	05.2648.40	473	05.2707.40	468	05.2747.14	468	05.3200.ER.DA	100	05.3231.14.1V	101
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05.5180.ES	92	05.5195.14.DA	102	05.5761.AP.CB	315	05.5792.40.YU	321	05.5832.40.C6	329	05.5882.40.CB	337
05.5180.ES.1V	92	05.5740.14	311	05.5761.AP.DA	315	05.5792.AP	321	05.5832.40.CB	329	05.5882.40.DA	337
05.5180.ES.DA	92	05.5740.14.CB	311	05.5762.14	315	05.5792.AP.DA	321	05.5832.AP	329	05.5882.40.YU	337
05.5181.14	92	05.5740.14.DA	311	05.5762.14.CB	315	05.5800.14	323	05.5832.AP.CB	329	05.5882.AP.CB	337
05.5181.14.1V	92	05.5740.40	311	05.5762.14.DA	315	05.5800.14.DA	323	05.5840.14	331	05.5882.AP.DA	337
05.5181.14.DA	92	05.5740.40.78	311	05.5762.40	315	05.5800.40	323	05.5840.14.CB	331	05.5890.14.CB	339
05.5181.40	92	05.5740.40.C6	311	05.5762.40.78	315	05.5800.40.78	323	05.5840.40	331	05.5890.14.DA	339
05.5181.40.1V	92	05.5740.40.CB	311	05.5762.40.C6	315	05.5800.40.DA	323	05.5840.40.78	331	05.5890.40.C6	339
05.5181.40.DA	92	05.5740.40.DA	311	05.5762.40.CB	315	05.5800.40.YU	323	05.5840.40.C6	331	05.5890.40.CB	339
05.5181.EQ	92	05.5740.40.YU	311	05.5762.40.DA	315	05.5800.AP	323	05.5840.40.CB	331	05.5890.40.DA	339
05.5181.EQ.1V	92	05.5740.AP	311	05.5762.40.YU	315	05.5800.AP.DA	323	05.5840.AP	331	05.5890.40.YU	339
05.5181.EQ.DA	92	05.5740.AP.CB	311	05.5762.AP	315	05.5801.14	323	05.5840.AP.CB	331	05.5890.AP.CB	339
05.5181.ER	92	05.5740.AP.DA	311	05.5762.AP.CB	315	05.5801.14.DA	323	05.5841.14	331	05.5890.AP.DA	339
05.5181.ER.1V	92	05.5741.14	311	05.5762.AP.DA	315	05.5801.40	323	05.5841.14.CB	331	05.5891.14.CB	339
05.5181.ER.DA	92	05.5741.14.CB	311	05.5770.14	317	05.5801.40.78	323	05.5841.40	331	05.5891.14.DA	339
05.5181.ES	92	05.5741.14.DA	311	05.5770.14.CB	317	05.5801.40.DA	323	05.5841.40.78	331	05.5891.40.C6	339
05.5181.ES.1V	92	05.5741.40	311	05.5770.14.DA	317	05.5801.40.YU	323	05.5841.40.C6	331	05.5891.40.CB	339
05.5181.ES.DA	92	05.5741.40.78	311	05.5770.40	317	05.5801.AP	323	05.5841.40.CB	331	05.5891.40.DA	339
05.5182.14	92	05.5741.40.C6	311	05.5770.40.78	317	05.5801.AP.DA	323	05.5841.AP	331	05.5891.40.YU	339
05.5182.14.1V	92	05.5741.40.CB	311	05.5770.40.C6	317	05.5802.14	323	05.5841.AP.CB	331	05.5891.AP.CB	339
05.5182.14.DA	92	05.5741.40.DA	311	05.5770.40.CB	317	05.5802.14.DA	323	05.5842.14	331	05.5891.AP.DA	339
05.5182.40	92	05.5741.40.YU	311	05.5770.40.DA	317	05.5802.40	323	05.5842.14.CB	331	05.5892.14.CB	339
05.5182.40.1V	92	05.5741.AP	311	05.5770.40.YU	317	05.5802.40.78	323	05.5842.40	331	05.5892.14.DA	339
05.5182.40.DA	92	05.5741.AP.CB	311	05.5770.AP	317	05.5802.40.DA	323	05.5842.40.78	331	05.5892.40.C6	339
05.5182.EQ	92	05.5741.AP.DA	311	05.5770.AP.CB	317	05.5802.40.YU	323	05.5842.40.C6	331	05.5892.40.CB	339
05.5182.EQ.1V	92	05.5742.14	311	05.5770.AP.DA	317	05.5802.AP	323	05.5842.40.CB	331	05.5892.40.DA	339
05.5182.EQ.DA	92	05.5742.14.CB	311	05.5771.14	317	05.5802.AP.DA	323	05.5842.AP	331	05.5892.40.YU	339
05.5182.ER	92	05.5742.14.DA	311	05.5771.14.CB	317	05.5810.14	325	05.5842.AP.CB	331	05.5892.AP.CB	339
05.5182.ER.1V	92	05.5742.40	311	05.5771.14.DA	317	05.5810.14.DA	325	05.5850.14	333	05.5892.AP.DA	339
05.5182.ER.DA	92	05.5742.40.78	311	05.5771.40	317	05.5810.40	325	05.5850.14.CB	333	05.5900.14.CB	340
05.5182.ES	92	05.5742.40.C6	311	05.5771.40.78	317	05.5810.40.78	325	05.5850.40	333	05.5900.40.C6	340
05.5182.ES.1V	92	05.5742.40.CB	311	05.5771.40.C6	317	05.5810.40.DA	325	05.5850.40.78	333	05.5900.40.CB	340
05.5182.ES.DA	92	05.5742.40.DA	311	05.5771.40.CB	317	05.5810.40.YU	325	05.5850.40.C6	333	05.5900.AP.CB	340
05.5185.14	93	05.5742.40.YU	311	05.5771.40.DA	317	05.5810.AP	325	05.5850.40.CB	333	05.5901.14.CB	340
05.5185.14.1V	93	05.5742.AP	311	05.5771.40.YU	317	05.5810.AP.DA	325	05.5850.AP	333	05.5901.40.C6	340
05.5185.14.DA	93	05.5742.AP.CB	311	05.5771.AP	317	05.5811.14	325	05.5850.AP.CB	333	05.5901.40.CB	340
05.5185.40	93	05.5742.AP.DA	311	05.5771.AP.CB	317	05.5811.14.DA	325	05.5851.14	333	05.5901.AP.CB	340
05.5185.40.1V	93	05.5750.14	313	05.5771.AP.DA	317	05.5811.40	325	05.5851.14.CB	333	05.5902.14.CB	340
05.5185.40.DA	93	05.5750.14.CB	313	05.5772.14	317	05.5811.40.78	325	05.5851.40	333	05.5902.40.C6	340
05.5185.EQ	93	05.5750.14.DA	313	05.5772.14.CB	317	05.5811.40.DA	325	05.5851.40.78	333	05.5902.40.CB	340
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05.5185.EQ.DA	93	05.5750.40.78	313	05.5772.40	317	05.5811.AP	325	05.5851.40.CB	333	05.5910.14.CB	341
05.5185.ER	93	05.5750.40.C6	313	05.5772.40.78	317	05.5811.AP.DA	325	05.5851.AP	333	05.5910.40.C6	341
05.5185.ER.1V	93	05.5750.40.CB	313	05.5772.40.C6	317	05.5812.14	325	05.5851.AP.CB	333	05.5910.40.CB	341
05.5185.ER.DA	93	05.5750.40.DA	313	05.5772.40.CB	317	05.5812.14.DA	325	05.5852.14	333	05.5910.AP.CB	341
05.5185.ES	93	05.5750.40.YU	313	05.5772.40.DA	317	05.5812.40	325	05.5852.14.CB	333	05.5911.14.CB	341
05.5185.ES.1V	93	05.5750.AP	313	05.5772.40.YU	317	05.5812.40.78	325	05.5852.40	333	05.5911.40.C6	341
05.5185.ES.DA	93	05.5750.AP.CB	313	05.5772.AP	317	05.5812.40.DA	325	05.5852.40.78	333	05.5911.40.CB	341
05.5186.14	93	05.5750.AP.DA	313	05.5772.AP.CB	317	05.5812.40.YU	325	05.5852.40.C6	333	05.5911.AP.CB	341
05.5186.14.1V	93	05.5751.14	313	05.5772.AP.DA	317	05.5812.AP	325	05.5852.40.CB	333	05.5912.14.CB	341
05.5186.14.DA	93	05.5751.14.CB	313	05.5780.14	319	05.5812.AP.DA	325	05.5852.AP	333	05.5912.40.C6	341
05.5186.40	93	05.5751.14.DA	313	05.5780.14.DA	319	05.5820.14	327	05.5852.AP.CB	333	05.5912.40.CB	341
05.5186.40.1V	93	05.5751.40	313	05.5780.40	319	05.5820.14.CB	327	05.5860.14.CB	334	05.5912.AP.CB	341
05.5186.40.DA	93	05.5751.40.78	313	05.5780.40.78	319	05.5820.40	327	05.5860.40.C6	334	05.5920.14	167
05.5186.EQ	93	05.5751.40.C6	313	05.5780.40.DA	319	05.5820.40.78	327	05.5860.40.CB	334	05.5920.14.1V	167
05.5186.EQ.1V	93	05.5751.40.CB	313	05.5780.40.YU	319	05.5820.40.C6	327	05.5860.AP.CB	334	05.5920.14.CB	167
05.5186.EQ.DA	93	05.5751.40.DA	313	05.5780.AP	319	05.5820.40.CB	327	05.5861.14.CB	334	05.5920.14.DA	167
05.5186.ER	93	05.5751.40.YU	313	05.5780.AP.DA	319	05.5820.AP	327	05.5861.40.C6	334	05.5920.40	167
05.5186.ER.1V	93	05.5751.AP	313	05.5781.14	319	05.5820.AP.CB	327	05.5861.40.CB	334	05.5920.40.1V	167
05.5186.ER.DA	93	05.5751.AP.CB	313	05.5781.14.DA	319	05.5821.14	327	05.5861.AP.CB	334	05.5920.40.78	167
05.5186.ES	93	05.5751.AP.DA	313	05.5781.40	319	05.5821.14.CB	327	05.5862.14.CB	334	05.5920.40.C6	167
05.5186.ES.1V	93	05.5752.14	313	05.5781.40.78	319	05.5821.40	327	05.5862.40.C6	334	05.5920.40.CB	167
05.5186.ES.DA	93	05.5752.14.CB	313	05.5781.40.DA	319	05.5821.40.78	327	05.5862.40.CB	334	05.5920.40.DA	167
05.5187.14	93	05.5752.14.DA	313	05.5781.40.YU	319	05.5821.40.C6	327	05.5862.AP.CB	334	05.5920.40.RX	167
05.5187.14.1V	93	05.5752.40	313	05.5781.AP	319	05.5821.40.CB	327	05.5870.14.CB	335	05.5920.40.YU	167
05.5187.14.DA	93	05.5752.40.78	313	05.5781.AP.DA	319	05.5821.AP	327	05.5870.40.C6	335	05.5920.AP	167
05.5187.40	93	05.5752.40.C6	313	05.5782.14	319	05.5821.AP.CB	327	05.5870.40.CB	335	05.5920.AP.1V	167
05.5187.40.1V	93	05.5752.40.CB	313	05.5782.14.DA	319	05.5822.14	327	05.5870.AP.CB	335	05.5920.AP.CB	167
05.5187.40.DA	93	05.5752.40.DA	313	05.5782.40	319	05.5822.14.CB	327	05.5871.14.CB	335	05.5920.AP.DA	167
05.5187.EQ	93	05.5752.40.YU	313	05.5782.40.78	319	05.5822.40	327	05.5871.40.C6	335	05.5921.14	167
05.5187.EQ.1V	93	05.5752.AP	313	05.5782.40.DA	319	05.5822.40.78	327	05.5871.40.CB	335	05.5921.14.1V	167
05.5187.EQ.DA	93	05.5752.AP.CB	313	05.5782.40.YU	319	05.5822.40.C6	327	05.5871.AP.CB	335	05.5921.14.CB	167
05.5187.ER	93	05.5752.AP.DA	313	05.5782.AP	319	05.5822.40.CB	327	05.5872.14.CB	335	05.5921.14.DA	167
05.5187.ER.1V	93	05.5760.14	315	05.5782.AP.DA	319	05.5822.AP	327	05.5872.40.C6	335	05.5921.40	167
05.5187.ER.DA	93	05.5760.14.CB	315	05.5790.14	321	05.5822.AP.CB	327	05.5872.40.CB	335	05.5921.40.1V	167
05.5187.ES	93	05.5760.14.DA	315	05.5790.14.DA	321	05.5830.14	329	05.5872.AP.CB	335	05.5921.40.78	167
05.5187.ES.1V	93	05.5760.40	315	05.5790.40	321	05.5830.14.CB	329	05.5880.14.CB	337	05.5921.40.C6	167
05.5187.ES.DA	93	05.5760.40.78	315	05.5790.40.78	321	05.5830.40	329	05.5880.14.DA	337	05.5921.40.CB	167
05.5190.14	102	05.5760.40.C6	315	05.5790.40.DA	321	05.5830.40.78	329	05.5880.40.C6	337	05.5921.40.DA	167
05.5190.14.1V	102	05.5760.40.CB	315	05.5790.40.YU	321	05.5830.40.C6	329	05.5880.40.CB	337	05.5921.40.RX	167
05.5190.14.DA	102	05.5760.40.DA	315	05.5790.AP	321	05.5830.40.CB	329	05.5880.40.DA	337	05.5921.40.YU	167
05.5191.14	102	05.5760.40.YU	315	05.5790.AP.DA	321	05.5830.AP	329	05.5880.40.YU	337	05.5921.AP	167
05.5191.14.1V	102	05.5760.AP	315	05.5791.14	321	05.5830.AP.CB	329	05.5880.AP.CB	337	05.5921.AP.1V	167
05.5191.14.DA	102	05.5760.AP.CB	315	05.5791.14.DA	321	05.5831.14	329	05.5880.AP.DA	337	05.5921.AP.CB	167
05.5192.14	102	05.5760.AP.DA	315	05.5791.40	321	05.5831.14.CB	329	05.5881.14.CB	337	05.5921.AP.DA	167
05.5192.14.1V	102	05.5761.14	315	05.5791.40.78	321	05.5831.40	329	05.5881.14.DA	337	05.5922.14	167
05.5192.14.DA	102	05.5761.14.CB	315	05.5791.40.DA	321	05.5831.40.78	329	05.5881.40.C6	337	05.5922.14.1V	167
05.5193.14	102	05.5761.14.DA	315	05.5791.40.YU	321	05.5831.40.C6	329	05.5881.40.CB	337	05.5922.14.CB	167
05.5193.14.1V	102	05.5761.40	315	05.5791.AP	321	05.5831.40.CB	329	05.5881.40.DA	337	05.5922.14.DA	167
05.5193.14.DA	102	05.5761.40.78	315	05.5791.AP.DA	321	05.5831.AP	329	05.5881.40.YU	337	05.5922.40	167
05.5194.14	102	05.5761.40.C6	315	05.5792.14	321	05.5831.AP.CB	329	05.5881.AP.CB	337	05.5922.40.1V	167
05.5194.14.1V	102	05.5761.40.CB	315	05.5792.14.DA	321	05.5832.14	329	05.5881.AP.DA	337	05.5922.40.78	167
05.5194.14.DA	102	05.5761.40.DA	315	05.5792.40	321	05.5832.14.CB	329	05.5882.14.CB	337	05.5922.40.C6	167
05.5195.14	102	05.5761.40.YU	315	05.5792.40.78	321	05.5832.40	329	05.5882.14.DA	337	05.5922.40.CB	167

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.5922.40.DA	167	05.5942.40.CB	171	05.6205.40	306	05.6217.14.DA	307	05.6231.14.CB	309	05.6245.14	311
05.5922.40.RX	167	05.5942.40.DA	171	05.6205.40.78	306	05.6217.40	307	05.6231.14.DA	309	05.6245.14.CB	311
05.5922.40.YU	167	05.5942.40.RX	171	05.6205.40.C6	306	05.6217.40.78	307	05.6231.40	309	05.6245.14.DA	311
05.5922.AP	167	05.5942.40.YU	171	05.6205.40.CB	306	05.6217.40.C6	307	05.6231.40.78	309	05.6245.40	311
05.5922.AP.1V	167	05.5942.AP	171	05.6205.40.DA	306	05.6217.40.CB	307	05.6231.40.C6	309	05.6245.40.78	311
05.5922.AP.CB	167	05.5942.AP.1V	171	05.6205.40.YU	306	05.6217.40.DA	307	05.6231.40.CB	309	05.6245.40.C6	311
05.5922.AP.DA	167	05.5942.AP.CB	171	05.6205.AP	306	05.6217.40.YU	307	05.6231.40.DA	309	05.6245.40.CB	311
05.5930.14	169	05.5942.AP.DA	171	05.6205.AP.CB	306	05.6217.AP	307	05.6231.40.YU	309	05.6245.40.DA	311
05.5930.14.1V	169	05.5950.14	173	05.6205.AP.DA	306	05.6217.AP.CB	307	05.6231.AP	309	05.6245.40.YU	311
05.5930.14.CB	169	05.5950.14.1V	173	05.6206.14	306	05.6217.AP.DA	307	05.6231.AP.CB	309	05.6245.AP	311
05.5930.14.DA	169	05.5950.14.CB	173	05.6206.14.CB	306	05.6220.14	308	05.6231.AP.DA	309	05.6245.AP.CB	311
05.5930.40	169	05.5950.14.DA	173	05.6206.14.DA	306	05.6220.14.CB	308	05.6232.14	309	05.6245.AP.DA	311
05.5930.40.1V	169	05.5950.40	173	05.6206.40	306	05.6220.14.DA	308	05.6232.14.CB	309	05.6246.14	311
05.5930.40.78	169	05.5950.40.1V	173	05.6206.40.78	306	05.6220.40	308	05.6232.14.DA	309	05.6246.14.CB	311
05.5930.40.C6	169	05.5950.40.78	173	05.6206.40.C6	306	05.6220.40.78	308	05.6232.40	309	05.6246.14.DA	311
05.5930.40.CB	169	05.5950.40.C6	173	05.6206.40.CB	306	05.6220.40.C6	308	05.6232.40.78	309	05.6246.40	311
05.5930.40.DA	169	05.5950.40.CB	173	05.6206.40.DA	306	05.6220.40.CB	308	05.6232.40.C6	309	05.6246.40.78	311
05.5930.40.RX	169	05.5950.40.DA	173	05.6206.40.YU	306	05.6220.40.DA	308	05.6232.40.CB	309	05.6246.40.C6	311
05.5930.40.YU	169	05.5950.40.RX	173	05.6206.AP	306	05.6220.40.YU	308	05.6232.40.DA	309	05.6246.40.CB	311
05.5930.AP	169	05.5950.40.YU	173	05.6206.AP.CB	306	05.6220.AP	308	05.6232.40.YU	309	05.6246.40.DA	311
05.5930.AP.1V	169	05.5950.AP	173	05.6206.AP.DA	306	05.6220.AP.CB	308	05.6232.AP	309	05.6246.40.YU	311
05.5930.AP.CB	169	05.5950.AP.1V	173	05.6207.14	306	05.6220.AP.DA	308	05.6232.AP.CB	309	05.6246.AP	311
05.5930.AP.DA	169	05.5950.AP.CB	173	05.6207.14.CB	306	05.6221.14	308	05.6232.AP.DA	309	05.6246.AP.CB	311
05.5931.14	169	05.5950.AP.DA	173	05.6207.14.DA	306	05.6221.14.CB	308	05.6235.14	309	05.6246.AP.DA	311
05.5931.14.1V	169	05.5951.14	173	05.6207.40	306	05.6221.14.DA	308	05.6235.14.CB	309	05.6247.14	311
05.5931.14.CB	169	05.5951.14.1V	173	05.6207.40.78	306	05.6221.40	308	05.6235.14.DA	309	05.6247.14.CB	311
05.5931.14.DA	169	05.5951.14.CB	173	05.6207.40.C6	306	05.6221.40.78	308	05.6235.40	309	05.6247.14.DA	311
05.5931.40	169	05.5951.14.DA	173	05.6207.40.CB	306	05.6221.40.C6	308	05.6235.40.78	309	05.6247.40	311
05.5931.40.1V	169	05.5951.40	173	05.6207.40.DA	306	05.6221.40.CB	308	05.6235.40.C6	309	05.6247.40.78	311
05.5931.40.78	169	05.5951.40.1V	173	05.6207.40.YU	306	05.6221.40.DA	308	05.6235.40.CB	309	05.6247.40.C6	311
05.5931.40.C6	169	05.5951.40.78	173	05.6207.AP	306	05.6221.40.YU	308	05.6235.40.DA	309	05.6247.40.CB	311
05.5931.40.CB	169	05.5951.40.C6	173	05.6207.AP.CB	306	05.6221.AP	308	05.6235.40.YU	309	05.6247.40.DA	311
05.5931.40.DA	169	05.5951.40.CB	173	05.6207.AP.DA	306	05.6221.AP.CB	308	05.6235.AP	309	05.6247.40.YU	311
05.5931.40.RX	169	05.5951.40.DA	173	05.6210.14	307	05.6221.AP.DA	308	05.6235.AP.CB	309	05.6247.AP	311
05.5931.40.YU	169	05.5951.40.RX	173	05.6210.14.CB	307	05.6222.14	308	05.6235.AP.DA	309	05.6247.AP.CB	311
05.5931.AP	169	05.5951.40.YU	173	05.6210.14.DA	307	05.6222.14.CB	308	05.6236.14	309	05.6247.AP.DA	311
05.5931.AP.1V	169	05.5951.AP	173	05.6210.40	307	05.6222.14.DA	308	05.6236.14.CB	309	05.6250.14	312
05.5931.AP.CB	169	05.5951.AP.1V	173	05.6210.40.78	307	05.6222.40	308	05.6236.14.DA	309	05.6250.14.CB	312
05.5931.AP.DA	169	05.5951.AP.CB	173	05.6210.40.C6	307	05.6222.40.78	308	05.6236.40	309	05.6250.14.DA	312
05.5932.14	169	05.5951.AP.DA	173	05.6210.40.CB	307	05.6222.40.C6	308	05.6236.40.78	309	05.6250.40	312
05.5932.14.1V	169	05.5952.14	173	05.6210.40.DA	307	05.6222.40.CB	308	05.6236.40.C6	309	05.6250.40.78	312
05.5932.14.CB	169	05.5952.14.1V	173	05.6210.40.YU	307	05.6222.40.DA	308	05.6236.40.CB	309	05.6250.40.C6	312
05.5932.14.DA	169	05.5952.14.CB	173	05.6210.AP	307	05.6222.40.YU	308	05.6236.40.DA	309	05.6250.40.CB	312
05.5932.40	169	05.5952.14.DA	173	05.6210.AP.CB	307	05.6222.AP	308	05.6236.40.YU	309	05.6250.40.DA	312
05.5932.40.1V	169	05.5952.40	173	05.6210.AP.DA	307	05.6222.AP.CB	308	05.6236.AP	309	05.6250.40.YU	312
05.5932.40.78	169	05.5952.40.1V	173	05.6211.14	307	05.6222.AP.DA	308	05.6236.AP.CB	309	05.6250.AP	312
05.5932.40.C6	169	05.5952.40.78	173	05.6211.14.CB	307	05.6225.14	308	05.6236.AP.DA	309	05.6250.AP.CB	312
05.5932.40.CB	169	05.5952.40.C6	173	05.6211.14.DA	307	05.6225.14.CB	308	05.6237.14	309	05.6250.AP.DA	312
05.5932.40.DA	169	05.5952.40.CB	173	05.6211.40	307	05.6225.14.DA	308	05.6237.14.CB	309	05.6251.14	312
05.5932.40.RX	169	05.5952.40.DA	173	05.6211.40.78	307	05.6225.40	308	05.6237.14.DA	309	05.6251.14.CB	312
05.5932.40.YU	169	05.5952.40.RX	173	05.6211.40.C6	307	05.6225.40.78	308	05.6237.40	309	05.6251.14.DA	312
05.5932.AP	169	05.5952.40.YU	173	05.6211.40.CB	307	05.6225.40.C6	308	05.6237.40.78	309	05.6251.40	312
05.5932.AP.1V	169	05.5952.AP	173	05.6211.40.DA	307	05.6225.40.CB	308	05.6237.40.C6	309	05.6251.40.78	312
05.5932.AP.CB	169	05.5952.AP.1V	173	05.6211.40.YU	307	05.6225.40.DA	308	05.6237.40.CB	309	05.6251.40.C6	312
05.5932.AP.DA	169	05.5952.AP.CB	173	05.6211.AP	307	05.6225.40.YU	308	05.6237.40.DA	309	05.6251.40.CB	312
05.5940.14	171	05.5952.AP.DA	173	05.6211.AP.CB	307	05.6225.AP	308	05.6237.40.YU	309	05.6251.40.DA	312
05.5940.14.1V	171	05.6200.14	306	05.6211.AP.DA	307	05.6225.AP.CB	308	05.6237.AP	309	05.6251.40.YU	312
05.5940.14.CB	171	05.6200.14.CB	306	05.6212.14	307	05.6225.AP.DA	308	05.6237.AP.CB	309	05.6251.AP	312
05.5940.14.DA	171	05.6200.14.DA	306	05.6212.14.CB	307	05.6226.14	308	05.6237.AP.DA	309	05.6251.AP.CB	312
05.5940.40	171	05.6200.40	306	05.6212.14.DA	307	05.6226.14.CB	308	05.6240.14	310	05.6251.AP.DA	312
05.5940.40.1V	171	05.6200.40.78	306	05.6212.40	307	05.6226.14.DA	308	05.6240.14.CB	310	05.6252.14	312
05.5940.40.78	171	05.6200.40.C6	306	05.6212.40.78	307	05.6226.40	308	05.6240.14.DA	310	05.6252.14.CB	312
05.5940.40.C6	171	05.6200.40.CB	306	05.6212.40.C6	307	05.6226.40.78	308	05.6240.40	310	05.6252.14.DA	312
05.5940.40.CB	171	05.6200.40.DA	306	05.6212.40.CB	307	05.6226.40.C6	308	05.6240.40.78	310	05.6252.40	312
05.5940.40.DA	171	05.6200.40.YU	306	05.6212.40.DA	307	05.6226.40.CB	308	05.6240.40.C6	310	05.6252.40.78	312
05.5940.40.RX	171	05.6200.AP	306	05.6212.40.YU	307	05.6226.40.DA	308	05.6240.40.CB	310	05.6252.40.C6	312
05.5940.40.YU	171	05.6200.AP.CB	306	05.6212.AP	307	05.6226.40.YU	308	05.6240.40.DA	310	05.6252.40.CB	312
05.5940.AP	171	05.6200.AP.DA	306	05.6212.AP.CB	307	05.6226.AP	308	05.6240.40.YU	310	05.6252.40.DA	312
05.5940.AP.1V	171	05.6201.14	306	05.6212.AP.DA	307	05.6226.AP.CB	308	05.6240.AP	310	05.6252.40.YU	312
05.5940.AP.CB	171	05.6201.14.CB	306	05.6215.14	307	05.6226.AP.DA	308	05.6240.AP.CB	310	05.6252.AP	312
05.5940.AP.DA	171	05.6201.14.DA	306	05.6215.14.CB	307	05.6227.14	308	05.6240.AP.DA	310	05.6252.AP.CB	312
05.5941.14	171	05.6201.40	306	05.6215.14.DA	307	05.6227.14.CB	308	05.6241.14	310	05.6252.AP.DA	312
05.5941.14.1V	171	05.6201.40.78	306	05.6215.40	307	05.6227.14.DA	308	05.6241.14.CB	310	05.6255.14	313
05.5941.14.CB	171	05.6201.40.C6	306	05.6215.40.78	307	05.6227.40	308	05.6241.14.DA	310	05.6255.14.CB	313
05.5941.14.DA	171	05.6201.40.CB	306	05.6215.40.C6	307	05.6227.40.78	308	05.6241.40	310	05.6255.14.DA	313
05.5941.40	171	05.6201.40.DA	306	05.6215.40.CB	307	05.6227.40.C6	308	05.6241.40.78	310	05.6255.40	313
05.5941.40.1V	171	05.6201.40.YU	306	05.6215.40.DA	307	05.6227.40.CB	308	05.6241.40.C6	310	05.6255.40.78	313
05.5941.40.78	171	05.6201.AP	306	05.6215.40.YU	307	05.6227.40.DA	308	05.6241.40.CB	310	05.6255.40.C6	313
05.5941.40.C6	171	05.6201.AP.CB	306	05.6215.AP	307	05.6227.40.YU	308	05.6241.40.DA	310	05.6255.40.CB	313
05.5941.40.CB	171	05.6201.AP.DA	306	05.6215.AP.CB	307	05.6227.AP	308	05.6241.40.YU	310	05.6255.40.DA	313
05.5941.40.DA	171	05.6202.14	306	05.6215.AP.DA	307	05.6227.AP.CB	308	05.6241.AP	310	05.6255.40.YU	313
05.5941.40.RX	171	05.6202.14.CB	306	05.6216.14	307	05.6227.AP.DA	308	05.6241.AP.CB	310	05.6255.AP	313
05.5941.40.YU	171	05.6202.14.DA	306	05.6216.14.CB	307	05.6230.14	309	05.6241.AP.DA	310	05.6255.AP.CB	313
05.5941.AP	171	05.6202.40	306	05.6216.14.DA	307	05.6230.14.CB	309	05.6242.14	310	05.6255.AP.DA	313
05.5941.AP.1V	171	05.6202.40.78	306	05.6216.40	307	05.6230.14.DA	309	05.6242.14.CB	310	05.6256.14	313
05.5941.AP.CB	171	05.6202.40.C6	306	05.6216.40.78	307	05.6230.40	309	05.6242.14.DA	310	05.6256.14.CB	313
05.5941.AP.DA	171	05.6202.40.CB	306	05.6216.40.C6	307	05.6230.40.78	309	05.6242.40	310	05.6256.14.DA	313
05.5942.14	171	05.6202.40.DA	306	05.6216.40.CB	307	05.6230.40.C6	309	05.6242.40.78	310	05.6256.40	313
05.5942.14.1V	171	05.6202.40.YU	306	05.6216.40.DA	307	05.6230.40.CB	309	05.6242.40.C6	310	05.6256.40.78	313
05.5942.14.CB	171	05.6202.AP	306	05.6216.40.YU	307	05.6230.40.DA	309	05.6242.40.CB	310	05.6256.40.C6	313
05.5942.14.DA	171	05.6202.AP.CB	306	05.6216.AP	307	05.6230.40.YU	309	05.6242.40.DA	310	05.6256.40.CB	313
05.5942.40	171	05.6202.AP.DA	306	05.6216.AP.CB	307	05.6230.AP	309	05.6242.40.YU	310	05.6256.40.DA	313
05.5942.40.1V	171	05.6205.14	306	05.6216.AP.DA	307	05.6230.AP.CB	309	05.6242.AP	310	05.6256.40.YU	313
05.5942.40.78	171	05.6205.14.CB	306	05.6217.14	307	05.6230.AP.DA	309	05.6242.AP.CB	310	05.6256.AP	313
05.5942.40.C6	171	05.6205.14.DA	306	05.6217.14.CB	307	05.6231.14	309	05.6242.AP.DA	310	05.6256.AP.CB	313

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05.6256.AP.DA	313	05.6270.AP.CB	316	05.6282.14	318	05.6292.14	231	05.6301.AP.DA	322	05.6311.AP.DA	233
05.6257.14	313	05.6270.AP.DA	316	05.6282.14.DA	230	05.6292.14	320	05.6302.14	232	05.6311.AP.DA	324
05.6257.14.CB	313	05.6271.14	316	05.6282.14.DA	318	05.6292.14.DA	231	05.6302.14	322	05.6312.14	233
05.6257.14.DA	313	05.6271.14.CB	316	05.6282.40	230	05.6292.14.DA	320	05.6302.14.DA	232	05.6312.14	324
05.6257.40	313	05.6271.14.DA	316	05.6282.40	318	05.6292.40	231	05.6302.14.DA	322	05.6312.14.DA	233
05.6257.40.78	313	05.6271.40	316	05.6282.40.78	230	05.6292.40	320	05.6302.40	232	05.6312.14.DA	324
05.6257.40.C6	313	05.6271.40.78	316	05.6282.40.78	318	05.6292.40.78	231	05.6302.40	322	05.6312.40	233
05.6257.40.CB	313	05.6271.40.C6	316	05.6282.40.DA	230	05.6292.40.78	320	05.6302.40.78	232	05.6312.40	324
05.6257.40.DA	313	05.6271.40.CB	316	05.6282.40.DA	318	05.6292.40.DA	231	05.6302.40.78	322	05.6312.40.78	233
05.6257.40.YU	313	05.6271.40.DA	316	05.6282.40.YU	230	05.6292.40.DA	320	05.6302.40.DA	232	05.6312.40.78	324
05.6257.AP	313	05.6271.40.YU	316	05.6282.40.YU	318	05.6292.40.YU	231	05.6302.40.DA	322	05.6312.40.DA	233
05.6257.AP.CB	313	05.6271.AP	316	05.6282.AP	230	05.6292.40.YU	320	05.6302.40.YU	232	05.6312.40.DA	324
05.6257.AP.DA	313	05.6271.AP.CB	316	05.6282.AP	318	05.6292.AP	231	05.6302.40.YU	322	05.6312.40.YU	233
05.6260.14	314	05.6271.AP.DA	316	05.6282.AP.DA	230	05.6292.AP	320	05.6302.AP	232	05.6312.40.YU	324
05.6260.14.CB	314	05.6272.14	316	05.6282.AP.DA	318	05.6292.AP.DA	231	05.6302.AP	322	05.6312.AP	233
05.6260.14.DA	314	05.6272.14.CB	316	05.6285.14	230	05.6292.AP.DA	320	05.6302.AP.DA	232	05.6312.AP	324
05.6260.40	314	05.6272.14.DA	316	05.6285.14	319	05.6295.14	231	05.6302.AP.DA	322	05.6312.AP.DA	233
05.6260.40.78	314	05.6272.40	316	05.6285.14.DA	230	05.6295.14	321	05.6305.14	232	05.6312.AP.DA	324
05.6260.40.C6	314	05.6272.40.78	316	05.6285.14.DA	319	05.6295.14.DA	231	05.6305.14	323	05.6315.14	233
05.6260.40.CB	314	05.6272.40.C6	316	05.6285.40	230	05.6295.14.DA	321	05.6305.14.DA	232	05.6315.14	325
05.6260.40.DA	314	05.6272.40.CB	316	05.6285.40	319	05.6295.40	231	05.6305.14.DA	323	05.6315.14.DA	233
05.6260.40.YU	314	05.6272.40.DA	316	05.6285.40.78	230	05.6295.40	321	05.6305.40	232	05.6315.14.DA	325
05.6260.AP	314	05.6272.40.YU	316	05.6285.40.78	319	05.6295.40.78	231	05.6305.40	323	05.6315.40	233
05.6260.AP.CB	314	05.6272.AP	316	05.6285.40.DA	230	05.6295.40.78	321	05.6305.40.78	232	05.6315.40	325
05.6260.AP.DA	314	05.6272.AP.CB	316	05.6285.40.DA	319	05.6295.40.DA	231	05.6305.40.78	323	05.6315.40.78	233
05.6261.14	314	05.6272.AP.DA	316	05.6285.40.YU	230	05.6295.40.DA	321	05.6305.40.DA	232	05.6315.40.78	325
05.6261.14.CB	314	05.6275.14	317	05.6285.40.YU	319	05.6295.40.YU	231	05.6305.40.DA	323	05.6315.40.DA	233
05.6261.14.DA	314	05.6275.14.CB	317	05.6285.AP	230	05.6295.40.YU	321	05.6305.40.YU	232	05.6315.40.DA	325
05.6261.40	314	05.6275.14.DA	317	05.6285.AP	319	05.6295.AP	231	05.6305.40.YU	323	05.6315.40.YU	233
05.6261.40.78	314	05.6275.40	317	05.6285.AP.DA	230	05.6295.AP	321	05.6305.AP	232	05.6315.40.YU	325
05.6261.40.C6	314	05.6275.40.78	317	05.6285.AP.DA	319	05.6295.AP.DA	231	05.6305.AP	323	05.6315.AP	233
05.6261.40.CB	314	05.6275.40.C6	317	05.6286.14	230	05.6295.AP.DA	321	05.6305.AP.DA	232	05.6315.AP	325
05.6261.40.DA	314	05.6275.40.CB	317	05.6286.14	319	05.6296.14	231	05.6305.AP.DA	323	05.6315.AP.DA	233
05.6261.40.YU	314	05.6275.40.DA	317	05.6286.14.DA	230	05.6296.14	321	05.6306.14	232	05.6315.AP.DA	325
05.6261.AP	314	05.6275.40.YU	317	05.6286.14.DA	319	05.6296.14.DA	231	05.6306.14	323	05.6316.14	233
05.6261.AP.CB	314	05.6275.AP	317	05.6286.40	230	05.6296.14.DA	321	05.6306.14.DA	232	05.6316.14	325
05.6261.AP.DA	314	05.6275.AP.CB	317	05.6286.40	319	05.6296.40	231	05.6306.14.DA	323	05.6316.14.DA	233
05.6262.14	314	05.6275.AP.DA	317	05.6286.40.78	230	05.6296.40	321	05.6306.40	232	05.6316.14.DA	325
05.6262.14.CB	314	05.6276.14	317	05.6286.40.78	319	05.6296.40.78	231	05.6306.40	323	05.6316.40	233
05.6262.14.DA	314	05.6276.14.CB	317	05.6286.40.DA	230	05.6296.40.78	321	05.6306.40.78	232	05.6316.40	325
05.6262.40	314	05.6276.14.DA	317	05.6286.40.DA	319	05.6296.40.DA	231	05.6306.40.78	323	05.6316.40.78	233
05.6262.40.78	314	05.6276.40	317	05.6286.40.YU	230	05.6296.40.DA	321	05.6306.40.DA	232	05.6316.40.78	325
05.6262.40.C6	314	05.6276.40.78	317	05.6286.40.YU	319	05.6296.40.YU	231	05.6306.40.DA	323	05.6316.40.DA	233
05.6262.40.CB	314	05.6276.40.C6	317	05.6286.AP	230	05.6296.40.YU	321	05.6306.40.YU	232	05.6316.40.DA	325
05.6262.40.DA	314	05.6276.40.CB	317	05.6286.AP	319	05.6296.AP	231	05.6306.40.YU	323	05.6316.40.YU	233
05.6262.40.YU	314	05.6276.40.DA	317	05.6286.AP.DA	230	05.6296.AP	321	05.6306.AP	232	05.6316.40.YU	325
05.6262.AP	314	05.6276.40.YU	317	05.6286.AP.DA	319	05.6296.AP.DA	231	05.6306.AP	323	05.6316.AP	233
05.6262.AP.CB	314	05.6276.AP	317	05.6287.14	230	05.6296.AP.DA	321	05.6306.AP.DA	232	05.6316.AP	325
05.6262.AP.DA	314	05.6276.AP.CB	317	05.6287.14	319	05.6297.14	231	05.6306.AP.DA	323	05.6316.AP.DA	233
05.6265.14	315	05.6276.AP.DA	317	05.6287.14.DA	230	05.6297.14	321	05.6307.14	232	05.6316.AP.DA	325
05.6265.14.CB	315	05.6277.14	317	05.6287.14.DA	319	05.6297.14.DA	231	05.6307.14	323	05.6317.14	233
05.6265.14.DA	315	05.6277.14.CB	317	05.6287.40	230	05.6297.14.DA	321	05.6307.14.DA	232	05.6317.14	325
05.6265.40	315	05.6277.14.DA	317	05.6287.40	319	05.6297.40	231	05.6307.14.DA	323	05.6317.14.DA	233
05.6265.40.78	315	05.6277.40	317	05.6287.40.78	230	05.6297.40	321	05.6307.40	232	05.6317.14.DA	325
05.6265.40.C6	315	05.6277.40.78	317	05.6287.40.78	319	05.6297.40.78	231	05.6307.40	323	05.6317.40	233
05.6265.40.CB	315	05.6277.40.C6	317	05.6287.40.DA	230	05.6297.40.78	321	05.6307.40.78	232	05.6317.40	325
05.6265.40.DA	315	05.6277.40.CB	317	05.6287.40.DA	319	05.6297.40.DA	231	05.6307.40.78	323	05.6317.40.78	233
05.6265.40.YU	315	05.6277.40.DA	317	05.6287.40.YU	230	05.6297.40.DA	321	05.6307.40.DA	232	05.6317.40.78	325
05.6265.AP	315	05.6277.40.YU	317	05.6287.40.YU	319	05.6297.40.YU	231	05.6307.40.DA	323	05.6317.40.DA	233
05.6265.AP.CB	315	05.6277.AP	317	05.6287.AP	230	05.6297.40.YU	321	05.6307.40.YU	232	05.6317.40.DA	325
05.6265.AP.DA	315	05.6277.AP.CB	317	05.6287.AP	319	05.6297.AP	231	05.6307.40.YU	323	05.6317.40.YU	233
05.6266.14	315	05.6277.AP.DA	317	05.6287.AP.DA	230	05.6297.AP	321	05.6307.AP	232	05.6317.40.YU	325
05.6266.14.CB	315	05.6280.14	230	05.6287.AP.DA	319	05.6297.AP.DA	231	05.6307.AP	323	05.6317.AP	233
05.6266.14.DA	315	05.6280.14	318	05.6290.14	231	05.6297.AP.DA	321	05.6307.AP.DA	232	05.6317.AP	325
05.6266.40	315	05.6280.14.DA	230	05.6290.14	320	05.6300.14	232	05.6307.AP.DA	323	05.6317.AP.DA	233
05.6266.40.78	315	05.6280.14.DA	318	05.6290.14.DA	231	05.6300.14	322	05.6310.14	233	05.6317.AP.DA	325
05.6266.40.C6	315	05.6280.40	230	05.6290.14.DA	320	05.6300.14.DA	232	05.6310.14	324	05.6320.14	326
05.6266.40.CB	315	05.6280.40	318	05.6290.40	231	05.6300.14.DA	322	05.6310.14.DA	233	05.6320.14.CB	326
05.6266.40.DA	315	05.6280.40.78	230	05.6290.40	320	05.6300.40	232	05.6310.14.DA	324	05.6320.40	326
05.6266.40.YU	315	05.6280.40.78	318	05.6290.40.78	231	05.6300.40	322	05.6310.40	233	05.6320.40.78	326
05.6266.AP	315	05.6280.40.DA	230	05.6290.40.78	320	05.6300.40.78	232	05.6310.40	324	05.6320.40.C6	326
05.6266.AP.CB	315	05.6280.40.DA	318	05.6290.40.DA	231	05.6300.40.78	322	05.6310.40.78	233	05.6320.40.CB	326
05.6266.AP.DA	315	05.6280.40.YU	230	05.6290.40.DA	320	05.6300.40.DA	232	05.6310.40.78	324	05.6320.AP	326
05.6267.14	315	05.6280.40.YU	318	05.6290.40.YU	231	05.6300.40.DA	322	05.6310.40.DA	233	05.6320.AP.CB	326
05.6267.14.CB	315	05.6280.AP	230	05.6290.40.YU	320	05.6300.40.YU	232	05.6310.40.DA	324	05.6321.14	326
05.6267.14.DA	315	05.6280.AP	318	05.6290.AP	231	05.6300.40.YU	322	05.6310.40.YU	233	05.6321.14.CB	326
05.6267.40	315	05.6280.AP.DA	230	05.6290.AP	320	05.6300.AP	232	05.6310.40.YU	324	05.6321.40	326
05.6267.40.78	315	05.6280.AP.DA	318	05.6290.AP.DA	231	05.6300.AP	322	05.6310.AP	233	05.6321.40.78	326
05.6267.40.C6	315	05.6281.14	230	05.6290.AP.DA	320	05.6300.AP.DA	232	05.6310.AP	324	05.6321.40.C6	326
05.6267.40.CB	315	05.6281.14	318	05.6291.14	231	05.6300.AP.DA	322	05.6310.AP.DA	233	05.6321.40.CB	326
05.6267.40.DA	315	05.6281.14.DA	230	05.6291.14	320	05.6301.14	232	05.6310.AP.DA	324	05.6321.AP	326
05.6267.40.YU	315	05.6281.14.DA	318	05.6291.14.DA	231	05.6301.14	322	05.6311.14	233	05.6321.AP.CB	326
05.6267.AP	315	05.6281.40	230	05.6291.14.DA	320	05.6301.14.DA	232	05.6311.14	324	05.6322.14	326
05.6267.AP.CB	315	05.6281.40	318	05.6291.40	231	05.6301.14.DA	322	05.6311.14.DA	233	05.6322.14.CB	326
05.6267.AP.DA	315	05.6281.40.78	230	05.6291.40	320	05.6301.40	232	05.6311.14.DA	324	05.6322.40	326
05.6270.14	316	05.6281.40.78	318	05.6291.40.78	231	05.6301.40	322	05.6311.40	233	05.6322.40.78	326
05.6270.14.CB	316	05.6281.40.DA	230	05.6291.40.78	320	05.6301.40.78	232	05.6311.40	324	05.6322.40.C6	326
05.6270.14.DA	316	05.6281.40.DA	318	05.6291.40.DA	231	05.6301.40.78	322	05.6311.40.78	233	05.6322.40.CB	326
05.6270.40	316	05.6281.40.YU	230	05.6291.40.DA	320	05.6301.40.DA	232	05.6311.40.78	324	05.6322.AP	326
05.6270.40.78	316	05.6281.40.YU	318	05.6291.40.YU	231	05.6301.40.DA	322	05.6311.40.DA	233	05.6322.AP.CB	326
05.6270.40.C6	316	05.6281.AP	230	05.6291.40.YU	320	05.6301.40.YU	232	05.6311.40.DA	324	05.6325.14	327
05.6270.40.CB	316	05.6281.AP	318	05.6291.AP	231	05.6301.40.YU	322	05.6311.40.YU	233	05.6325.14.CB	327
05.6270.40.DA	316	05.6281.AP.DA	230	05.6291.AP	320	05.6301.AP	232	05.6311.40.YU	324	05.6325.40	327
05.6270.40.YU	316	05.6281.AP.DA	318	05.6291.AP.DA	231	05.6301.AP	322	05.6311.AP	233	05.6325.40.78	327
05.6270.AP	316	05.6282.14	230	05.6291.AP.DA	320	05.6301.AP.DA	232	05.6311.AP	324	05.6325.40.C6	327

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05.6325.40.CB	327	05.6345.40.C6	331	05.6370.AP.CB	335	05.6395.40.C6	339	05.6421.40.DA	166	05.6431.40.CB	168
05.6325.AP	327	05.6345.40.CB	331	05.6371.14.CB	335	05.6395.40.CB	339	05.6421.40.RX	166	05.6431.40.DA	168
05.6325.AP.CB	327	05.6345.AP	331	05.6371.40.C6	335	05.6395.40.DA	339	05.6421.40.YU	166	05.6431.40.RX	168
05.6326.14	327	05.6345.AP.CB	331	05.6371.40.CB	335	05.6395.40.YU	339	05.6421.AP	166	05.6431.40.YU	168
05.6326.14.CB	327	05.6346.14	331	05.6371.AP.CB	335	05.6395.AP.CB	339	05.6421.AP.1V	166	05.6431.AP	168
05.6326.40	327	05.6346.14.CB	331	05.6372.14.CB	335	05.6395.AP.DA	339	05.6421.AP.CB	166	05.6431.AP.1V	168
05.6326.40.78	327	05.6346.40	331	05.6372.40.C6	335	05.6396.14.CB	339	05.6421.AP.DA	166	05.6431.AP.CB	168
05.6326.40.C6	327	05.6346.40.78	331	05.6372.40.CB	335	05.6396.14.DA	339	05.6422.14	166	05.6431.AP.DA	168
05.6326.40.CB	327	05.6346.40.C6	331	05.6372.AP.CB	335	05.6396.40.C6	339	05.6422.14.1V	166	05.6432.14	168
05.6326.AP	327	05.6346.40.CB	331	05.6375.14.CB	335	05.6396.40.CB	339	05.6422.14.CB	166	05.6432.14.1V	168
05.6326.AP.CB	327	05.6346.AP	331	05.6375.40.C6	335	05.6396.40.DA	339	05.6422.14.DA	166	05.6432.14.CB	168
05.6327.14	327	05.6346.AP.CB	331	05.6375.40.CB	335	05.6396.40.YU	339	05.6422.40	166	05.6432.14.DA	168
05.6327.14.CB	327	05.6347.14	331	05.6375.AP.CB	335	05.6396.AP.CB	339	05.6422.40.1V	166	05.6432.40	168
05.6327.40	327	05.6347.14.CB	331	05.6376.14.CB	335	05.6396.AP.DA	339	05.6422.40.78	166	05.6432.40.1V	168
05.6327.40.78	327	05.6347.40	331	05.6376.40.C6	335	05.6397.14.CB	339	05.6422.40.C6	166	05.6432.40.78	168
05.6327.40.C6	327	05.6347.40.78	331	05.6376.40.CB	335	05.6397.14.DA	339	05.6422.40.CB	166	05.6432.40.C6	168
05.6327.40.CB	327	05.6347.40.C6	331	05.6376.AP.CB	335	05.6397.40.C6	339	05.6422.40.DA	166	05.6432.40.CB	168
05.6327.AP	327	05.6347.40.CB	331	05.6377.14.CB	335	05.6397.40.CB	339	05.6422.40.RX	166	05.6432.40.DA	168
05.6327.AP.CB	327	05.6347.AP	331	05.6377.40.C6	335	05.6397.40.DA	339	05.6422.40.YU	166	05.6432.40.RX	168
05.6330.14	328	05.6347.AP.CB	331	05.6377.40.CB	335	05.6397.40.YU	339	05.6422.AP	166	05.6432.40.YU	168
05.6330.14.CB	328	05.6350.14	332	05.6377.AP.CB	335	05.6397.AP.CB	339	05.6422.AP.1V	166	05.6432.AP	168
05.6330.40	328	05.6350.14.CB	332	05.6380.14.CB	336	05.6397.AP.DA	339	05.6422.AP.CB	166	05.6432.AP.1V	168
05.6330.40.78	328	05.6350.40	332	05.6380.14.DA	336	05.6400.14.CB	340	05.6422.AP.DA	166	05.6432.AP.CB	168
05.6330.40.C6	328	05.6350.40.78	332	05.6380.40.C6	336	05.6400.40.C6	340	05.6425.14	167	05.6432.AP.DA	168
05.6330.40.CB	328	05.6350.40.C6	332	05.6380.40.CB	336	05.6400.40.CB	340	05.6425.14.1V	167	05.6435.14	169
05.6330.AP	328	05.6350.40.CB	332	05.6380.40.DA	336	05.6400.AP.CB	340	05.6425.14.CB	167	05.6435.14.1V	169
05.6330.AP.CB	328	05.6350.AP	332	05.6380.40.YU	336	05.6401.14.CB	340	05.6425.14.DA	167	05.6435.14.CB	169
05.6331.14	328	05.6350.AP.CB	332	05.6380.AP.CB	336	05.6401.40.C6	340	05.6425.40	167	05.6435.14.DA	169
05.6331.14.CB	328	05.6351.14	332	05.6380.AP.DA	336	05.6401.40.CB	340	05.6425.40.1V	167	05.6435.40	169
05.6331.40	328	05.6351.14.CB	332	05.6381.14.CB	336	05.6401.AP.CB	340	05.6425.40.78	167	05.6435.40.1V	169
05.6331.40.78	328	05.6351.40	332	05.6381.14.DA	336	05.6402.14.CB	340	05.6425.40.C6	167	05.6435.40.78	169
05.6331.40.C6	328	05.6351.40.78	332	05.6381.40.C6	336	05.6402.40.C6	340	05.6425.40.CB	167	05.6435.40.C6	169
05.6331.40.CB	328	05.6351.40.C6	332	05.6381.40.CB	336	05.6402.40.CB	340	05.6425.40.DA	167	05.6435.40.CB	169
05.6331.AP	328	05.6351.40.CB	332	05.6381.40.DA	336	05.6402.AP.CB	340	05.6425.40.RX	167	05.6435.40.DA	169
05.6331.AP.CB	328	05.6351.AP	332	05.6381.40.YU	336	05.6405.14.CB	340	05.6425.40.YU	167	05.6435.40.RX	169
05.6332.14	328	05.6351.AP.CB	332	05.6381.AP.CB	336	05.6405.40.C6	340	05.6425.AP	167	05.6435.40.YU	169
05.6332.14.CB	328	05.6352.14	332	05.6381.AP.DA	336	05.6405.40.CB	340	05.6425.AP.1V	167	05.6435.AP	169
05.6332.40	328	05.6352.14.CB	332	05.6382.14.CB	336	05.6405.AP.CB	340	05.6425.AP.CB	167	05.6435.AP.1V	169
05.6332.40.78	328	05.6352.40	332	05.6382.14.DA	336	05.6406.14.CB	340	05.6425.AP.DA	167	05.6435.AP.CB	169
05.6332.40.C6	328	05.6352.40.78	332	05.6382.40.C6	336	05.6406.40.C6	340	05.6426.14	167	05.6435.AP.DA	169
05.6332.40.CB	328	05.6352.40.C6	332	05.6382.40.CB	336	05.6406.40.CB	340	05.6426.14.1V	167	05.6436.14	169
05.6332.AP	328	05.6352.40.CB	332	05.6382.40.DA	336	05.6406.AP.CB	340	05.6426.14.CB	167	05.6436.14.1V	169
05.6332.AP.CB	328	05.6352.AP	332	05.6382.40.YU	336	05.6407.14.CB	340	05.6426.14.DA	167	05.6436.14.CB	169
05.6335.14	329	05.6352.AP.CB	332	05.6382.AP.CB	336	05.6407.40.C6	340	05.6426.40	167	05.6436.14.DA	169
05.6335.14.CB	329	05.6355.14	333	05.6382.AP.DA	336	05.6407.40.CB	340	05.6426.40.1V	167	05.6436.40	169
05.6335.40	329	05.6355.14.CB	333	05.6385.14.CB	337	05.6407.AP.CB	340	05.6426.40.78	167	05.6436.40.1V	169
05.6335.40.78	329	05.6355.40	333	05.6385.14.DA	337	05.6410.14.CB	341	05.6426.40.C6	167	05.6436.40.78	169
05.6335.40.C6	329	05.6355.40.78	333	05.6385.40.C6	337	05.6410.40.C6	341	05.6426.40.CB	167	05.6436.40.C6	169
05.6335.40.CB	329	05.6355.40.C6	333	05.6385.40.CB	337	05.6410.40.CB	341	05.6426.40.DA	167	05.6436.40.CB	169
05.6335.AP	329	05.6355.40.CB	333	05.6385.40.DA	337	05.6410.AP.CB	341	05.6426.40.RX	167	05.6436.40.DA	169
05.6335.AP.CB	329	05.6355.AP	333	05.6385.40.YU	337	05.6411.14.CB	341	05.6426.40.YU	167	05.6436.40.RX	169
05.6336.14	329	05.6355.AP.CB	333	05.6385.AP.CB	337	05.6411.40.C6	341	05.6426.AP	167	05.6436.40.YU	169
05.6336.14.CB	329	05.6356.14	333	05.6385.AP.DA	337	05.6411.40.CB	341	05.6426.AP.1V	167	05.6436.AP	169
05.6336.40	329	05.6356.14.CB	333	05.6386.14.CB	337	05.6411.AP.CB	341	05.6426.AP.CB	167	05.6436.AP.1V	169
05.6336.40.78	329	05.6356.40	333	05.6386.14.DA	337	05.6412.14.CB	341	05.6426.AP.DA	167	05.6436.AP.CB	169
05.6336.40.C6	329	05.6356.40.78	333	05.6386.40.C6	337	05.6412.40.C6	341	05.6427.14	167	05.6436.AP.DA	169
05.6336.40.CB	329	05.6356.40.C6	333	05.6386.40.CB	337	05.6412.40.CB	341	05.6427.14.1V	167	05.6437.14	169
05.6336.AP	329	05.6356.40.CB	333	05.6386.40.DA	337	05.6412.AP.CB	341	05.6427.14.CB	167	05.6437.14.1V	169
05.6336.AP.CB	329	05.6356.AP	333	05.6386.40.YU	337	05.6415.14.CB	341	05.6427.14.DA	167	05.6437.14.CB	169
05.6337.14	329	05.6356.AP.CB	333	05.6386.AP.CB	337	05.6415.40.C6	341	05.6427.40	167	05.6437.14.DA	169
05.6337.14.CB	329	05.6357.14	333	05.6386.AP.DA	337	05.6415.40.CB	341	05.6427.40.1V	167	05.6437.40	169
05.6337.40	329	05.6357.14.CB	333	05.6387.14.CB	337	05.6415.AP.CB	341	05.6427.40.78	167	05.6437.40.1V	169
05.6337.40.78	329	05.6357.40	333	05.6387.14.DA	337	05.6416.14.CB	341	05.6427.40.C6	167	05.6437.40.78	169
05.6337.40.C6	329	05.6357.40.78	333	05.6387.40.C6	337	05.6416.40.C6	341	05.6427.40.CB	167	05.6437.40.C6	169
05.6337.40.CB	329	05.6357.40.C6	333	05.6387.40.CB	337	05.6416.40.CB	341	05.6427.40.DA	167	05.6437.40.CB	169
05.6337.AP	329	05.6357.40.CB	333	05.6387.40.DA	337	05.6416.AP.CB	341	05.6427.40.RX	167	05.6437.40.DA	169
05.6337.AP.CB	329	05.6357.AP	333	05.6387.40.YU	337	05.6417.14.CB	341	05.6427.40.YU	167	05.6437.40.RX	169
05.6340.14	330	05.6357.AP.CB	333	05.6387.AP.CB	337	05.6417.40.C6	341	05.6427.AP	167	05.6437.40.YU	169
05.6340.14.CB	330	05.6360.14.CB	334	05.6387.AP.DA	337	05.6417.40.CB	341	05.6427.AP.1V	167	05.6437.AP	169
05.6340.40	330	05.6360.40.C6	334	05.6390.14.CB	338	05.6417.AP.CB	341	05.6427.AP.CB	167	05.6437.AP.1V	169
05.6340.40.78	330	05.6360.40.CB	334	05.6390.14.DA	338	05.6420.14	166	05.6427.AP.DA	167	05.6437.AP.CB	169
05.6340.40.C6	330	05.6360.AP.CB	334	05.6390.40.C6	338	05.6420.14.1V	166	05.6430.14	168	05.6437.AP.DA	169
05.6340.40.CB	330	05.6361.14.CB	334	05.6390.40.CB	338	05.6420.14.CB	166	05.6430.14.1V	168	05.6440.14	170
05.6340.AP	330	05.6361.40.C6	334	05.6390.40.DA	338	05.6420.14.DA	166	05.6430.14.CB	168	05.6440.14.1V	170
05.6340.AP.CB	330	05.6361.40.CB	334	05.6390.40.YU	338	05.6420.40	166	05.6430.14.DA	168	05.6440.14.CB	170
05.6341.14	330	05.6361.AP.CB	334	05.6390.AP.CB	338	05.6420.40.1V	166	05.6430.40	168	05.6440.14.DA	170
05.6341.14.CB	330	05.6362.14.CB	334	05.6390.AP.DA	338	05.6420.40.78	166	05.6430.40.1V	168	05.6440.40	170
05.6341.40	330	05.6362.40.C6	334	05.6391.14.CB	338	05.6420.40.C6	166	05.6430.40.78	168	05.6440.40.1V	170
05.6341.40.78	330	05.6362.40.CB	334	05.6391.14.DA	338	05.6420.40.CB	166	05.6430.40.C6	168	05.6440.40.78	170
05.6341.40.C6	330	05.6362.AP.CB	334	05.6391.40.C6	338	05.6420.40.DA	166	05.6430.40.CB	168	05.6440.40.C6	170
05.6341.40.CB	330	05.6365.14.CB	334	05.6391.40.CB	338	05.6420.40.RX	166	05.6430.40.DA	168	05.6440.40.CB	170
05.6341.AP	330	05.6365.40.C6	334	05.6391.40.DA	338	05.6420.40.YU	166	05.6430.40.RX	168	05.6440.40.DA	170
05.6341.AP.CB	330	05.6365.40.CB	334	05.6391.40.YU	338	05.6420.AP	166	05.6430.40.YU	168	05.6440.40.RX	170
05.6342.14	330	05.6365.AP.CB	334	05.6391.AP.CB	338	05.6420.AP.1V	166	05.6430.AP	168	05.6440.40.YU	170
05.6342.14.CB	330	05.6366.14.CB	334	05.6391.AP.DA	338	05.6420.AP.CB	166	05.6430.AP.1V	168	05.6440.AP	170
05.6342.40	330	05.6366.40.C6	334	05.6392.14.CB	338	05.6420.AP.DA	166	05.6430.AP.CB	168	05.6440.AP.1V	170
05.6342.40.78	330	05.6366.40.CB	334	05.6392.14.DA	338	05.6421.14	166	05.6430.AP.DA	168	05.6440.AP.CB	170
05.6342.40.C6	330	05.6366.AP.CB	334	05.6392.40.C6	338	05.6421.14.1V	166	05.6431.14	168	05.6440.AP.DA	170
05.6342.40.CB	330	05.6367.14.CB	334	05.6392.40.CB	338	05.6421.14.CB	166	05.6431.14.1V	168	05.6441.14	170
05.6342.AP	330	05.6367.40.C6	334	05.6392.40.DA	338	05.6421.14.DA	166	05.6431.14.CB	168	05.6441.14.1V	170
05.6342.AP.CB	330	05.6367.40.CB	334	05.6392.40.YU	338	05.6421.40	166	05.6431.14.DA	168	05.6441.14.CB	170
05.6345.14	331	05.6367.AP.CB	334	05.6392.AP.CB	338	05.6421.40.1V	166	05.6431.40	168	05.6441.14.DA	170
05.6345.14.CB	331	05.6370.14.CB	335	05.6392.AP.DA	338	05.6421.40.78	166	05.6431.40.1V	168	05.6441.40	170
05.6345.40	331	05.6370.40.C6	335	05.6395.14.CB	339	05.6421.40.C6	166	05.6431.40.78	168	05.6441.40.1V	170
05.6345.40.78	331	05.6370.40.CB	335	05.6395.14.DA	339	05.6421.40.CB	166	05.6431.40.C6	168	05.6441.40.78	170

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.6441.40.C6	170	05.6451.40.78	172	05.7007.B1	579	05.7115.74	548	05.7210.GL	559	05.7406.EQ	564
05.6441.40.CB	170	05.6451.40.C6	172	05.7007.EQ	579	05.7115.B1	548	05.7211.74	559	05.7406.GL	564
05.6441.40.DA	170	05.6451.40.CB	172	05.7007.GL	579	05.7115.EQ	548	05.7211.B1	559	05.7407.74	564
05.6441.40.RX	170	05.6451.40.DA	172	05.7010.74	581	05.7115.GL	548	05.7211.EQ	559	05.7407.B1	564
05.6441.40.YU	170	05.6451.40.RX	172	05.7010.B1	581	05.7116.74	548	05.7211.GL	559	05.7407.EQ	564
05.6441.AP	170	05.6451.40.YU	172	05.7010.EQ	581	05.7116.B1	548	05.7212.74	559	05.7407.GL	564
05.6441.AP.1V	170	05.6451.AP	172	05.7010.GL	581	05.7116.EQ	548	05.7212.B1	559	05.7408.74	564
05.6441.AP.CB	170	05.6451.AP.1V	172	05.7011.74	581	05.7116.GL	548	05.7212.EQ	559	05.7408.B1	564
05.6441.AP.DA	170	05.6451.AP.CB	172	05.7011.B1	581	05.7117.74	548	05.7212.GL	559	05.7408.EQ	564
05.6442.14	170	05.6451.AP.DA	172	05.7011.EQ	581	05.7117.B1	548	05.7215.74	559	05.7408.GL	564
05.6442.14.1V	170	05.6452.14	172	05.7011.GL	581	05.7117.EQ	548	05.7215.B1	559	05.7409.74	564
05.6442.14.CB	170	05.6452.14.1V	172	05.7012.74	581	05.7117.GL	548	05.7215.EQ	559	05.7409.B1	564
05.6442.14.DA	170	05.6452.14.CB	172	05.7012.B1	581	05.7120.74	550	05.7215.GL	559	05.7409.EQ	564
05.6442.40	170	05.6452.14.DA	172	05.7012.EQ	581	05.7120.B1	550	05.7216.74	559	05.7409.GL	564
05.6442.40.1V	170	05.6452.40	172	05.7012.GL	581	05.7120.EQ	550	05.7216.B1	559	05.7410.74	528
05.6442.40.78	170	05.6452.40.1V	172	05.7015.74	581	05.7120.GL	550	05.7216.EQ	559	05.7410.B1	528
05.6442.40.C6	170	05.6452.40.78	172	05.7015.B1	581	05.7121.74	550	05.7216.GL	559	05.7410.EQ	528
05.6442.40.CB	170	05.6452.40.C6	172	05.7015.EQ	581	05.7121.B1	550	05.7217.74	559	05.7410.GL	528
05.6442.40.DA	170	05.6452.40.CB	172	05.7015.GL	581	05.7121.EQ	550	05.7217.B1	559	05.7411.74	528
05.6442.40.RX	170	05.6452.40.DA	172	05.7016.74	581	05.7121.GL	550	05.7217.EQ	559	05.7411.B1	528
05.6442.40.YU	170	05.6452.40.RX	172	05.7016.B1	581	05.7130.74	547	05.7217.GL	559	05.7411.EQ	528
05.6442.AP	170	05.6452.40.YU	172	05.7016.EQ	581	05.7130.B1	547	05.7300.74	525	05.7411.GL	528
05.6442.AP.1V	170	05.6452.AP	172	05.7016.GL	581	05.7130.EQ	547	05.7300.B1	525	05.7412.74	531
05.6442.AP.CB	170	05.6452.AP.1V	172	05.7017.74	581	05.7130.GL	547	05.7300.EQ	525	05.7412.B1	531
05.6442.AP.DA	170	05.6452.AP.CB	172	05.7017.B1	581	05.7131.74	547	05.7300.GL	525	05.7412.EQ	531
05.6445.14	171	05.6452.AP.DA	172	05.7017.EQ	581	05.7131.B1	547	05.7301.74	525	05.7412.GL	531
05.6445.14.1V	171	05.6455.14	173	05.7017.GL	581	05.7131.EQ	547	05.7301.B1	525	05.7413.74	531
05.6445.14.CB	171	05.6455.14.1V	173	05.7020.74	583	05.7131.GL	547	05.7301.EQ	525	05.7413.B1	531
05.6445.14.DA	171	05.6455.14.CB	173	05.7020.B1	583	05.7135.74	549	05.7301.GL	525	05.7413.EQ	531
05.6445.40	171	05.6455.14.DA	173	05.7020.EQ	583	05.7135.B1	549	05.7302.74	525	05.7413.GL	531
05.6445.40.1V	171	05.6455.40	173	05.7020.GL	583	05.7135.EQ	549	05.7302.B1	525	05.7414.74	535
05.6445.40.78	171	05.6455.40.1V	173	05.7021.74	583	05.7135.GL	549	05.7302.EQ	525	05.7414.B1	535
05.6445.40.C6	171	05.6455.40.78	173	05.7021.B1	583	05.7136.74	549	05.7302.GL	525	05.7414.EQ	535
05.6445.40.CB	171	05.6455.40.C6	173	05.7021.EQ	583	05.7136.B1	549	05.7305.74	525	05.7414.GL	535
05.6445.40.DA	171	05.6455.40.CB	173	05.7021.GL	583	05.7136.EQ	549	05.7305.B1	525	05.7415.74	535
05.6445.40.RX	171	05.6455.40.DA	173	05.7030.74	580	05.7136.GL	549	05.7305.EQ	525	05.7415.B1	535
05.6445.40.YU	171	05.6455.40.RX	173	05.7030.B1	580	05.7140.74	550	05.7305.GL	525	05.7415.EQ	535
05.6445.AP	171	05.6455.40.YU	173	05.7030.EQ	580	05.7140.B1	550	05.7306.74	525	05.7415.GL	535
05.6445.AP.1V	171	05.6455.AP	173	05.7030.GL	580	05.7140.EQ	550	05.7306.B1	525	05.7416.74	538
05.6445.AP.CB	171	05.6455.AP.1V	173	05.7031.74	580	05.7140.GL	550	05.7306.EQ	525	05.7416.B1	538
05.6445.AP.DA	171	05.6455.AP.CB	173	05.7031.B1	580	05.7141.74	550	05.7306.GL	525	05.7416.EQ	538
05.6446.14	171	05.6455.AP.DA	173	05.7031.EQ	580	05.7141.B1	550	05.7307.74	525	05.7416.GL	538
05.6446.14.1V	171	05.6456.14	173	05.7031.GL	580	05.7141.EQ	550	05.7307.B1	525	05.7417.74	538
05.6446.14.CB	171	05.6456.14.1V	173	05.7035.74	582	05.7141.GL	550	05.7307.EQ	525	05.7417.B1	538
05.6446.14.DA	171	05.6456.14.CB	173	05.7035.B1	582	05.7150.74	551	05.7307.GL	525	05.7417.EQ	538
05.6446.40	171	05.6456.14.DA	173	05.7035.EQ	582	05.7150.B1	551	05.7310.74	526	05.7417.GL	538
05.6446.40.1V	171	05.6456.40	173	05.7035.GL	582	05.7150.EQ	551	05.7310.B1	526	05.7420.74	541
05.6446.40.78	171	05.6456.40.1V	173	05.7036.74	582	05.7150.GL	551	05.7310.EQ	526	05.7420.B1	541
05.6446.40.C6	171	05.6456.40.78	173	05.7036.B1	582	05.7151.74	551	05.7310.GL	526	05.7420.EQ	541
05.6446.40.CB	171	05.6456.40.C6	173	05.7036.EQ	582	05.7151.B1	551	05.7311.74	526	05.7420.GL	541
05.6446.40.DA	171	05.6456.40.CB	173	05.7036.GL	582	05.7151.EQ	551	05.7311.B1	526	05.7421.74	541
05.6446.40.RX	171	05.6456.40.DA	173	05.7040.74	584	05.7151.GL	551	05.7311.EQ	526	05.7421.B1	541
05.6446.40.YU	171	05.6456.40.RX	173	05.7040.B1	584	05.7152.74	551	05.7311.GL	526	05.7421.EQ	541
05.6446.AP	171	05.6456.40.YU	173	05.7040.EQ	584	05.7152.B1	551	05.7312.74	526	05.7421.GL	541
05.6446.AP.1V	171	05.6456.AP	173	05.7040.GL	584	05.7152.EQ	551	05.7312.B1	526	05.7422.74	543
05.6446.AP.CB	171	05.6456.AP.1V	173	05.7041.74	584	05.7152.GL	551	05.7312.EQ	526	05.7422.B1	543
05.6446.AP.DA	171	05.6456.AP.CB	173	05.7041.B1	584	05.7155.74	551	05.7312.GL	526	05.7422.EQ	543
05.6447.14	171	05.6456.AP.DA	173	05.7041.EQ	584	05.7155.B1	551	05.7315.74	526	05.7422.GL	543
05.6447.14.1V	171	05.6457.14	173	05.7041.GL	584	05.7155.EQ	551	05.7315.B1	526	05.7423.74	543
05.6447.14.CB	171	05.6457.14.1V	173	05.7100.74	546	05.7155.GL	551	05.7315.EQ	526	05.7423.B1	543
05.6447.14.DA	171	05.6457.14.CB	173	05.7100.B1	546	05.7156.74	551	05.7315.GL	526	05.7423.EQ	543
05.6447.40	171	05.6457.14.DA	173	05.7100.EQ	546	05.7156.B1	551	05.7316.74	526	05.7423.GL	543
05.6447.40.1V	171	05.6457.40	173	05.7100.GL	546	05.7156.EQ	551	05.7316.B1	526	05.7430.74	561
05.6447.40.78	171	05.6457.40.1V	173	05.7101.74	546	05.7156.GL	551	05.7316.EQ	526	05.7430.B1	561
05.6447.40.C6	171	05.6457.40.78	173	05.7101.B1	546	05.7157.74	551	05.7316.GL	526	05.7430.EQ	561
05.6447.40.CB	171	05.6457.40.C6	173	05.7101.EQ	546	05.7157.B1	551	05.7317.74	526	05.7430.GL	561
05.6447.40.DA	171	05.6457.40.CB	173	05.7101.GL	546	05.7157.EQ	551	05.7317.B1	526	05.7431.74	561
05.6447.40.RX	171	05.6457.40.DA	173	05.7102.74	546	05.7157.GL	551	05.7317.EQ	526	05.7431.B1	561
05.6447.40.YU	171	05.6457.40.RX	173	05.7102.B1	546	05.7200.74	558	05.7317.GL	526	05.7431.EQ	561
05.6447.AP	171	05.6457.40.YU	173	05.7102.EQ	546	05.7200.B1	558	05.7400.74	568	05.7431.GL	561
05.6447.AP.1V	171	05.6457.AP	173	05.7102.GL	546	05.7200.EQ	558	05.7400.B1	568	05.7432.74	564
05.6447.AP.CB	171	05.6457.AP.1V	173	05.7105.74	546	05.7200.GL	558	05.7400.EQ	568	05.7432.B1	564
05.6447.AP.DA	171	05.6457.AP.CB	173	05.7105.B1	546	05.7201.74	558	05.7400.GL	568	05.7432.EQ	564
05.6450.14	172	05.6457.AP.DA	173	05.7105.EQ	546	05.7201.B1	558	05.7401.74	568	05.7432.GL	564
05.6450.14.1V	172	05.7000.74	579	05.7105.GL	546	05.7201.EQ	558	05.7401.B1	568	05.7433.74	564
05.6450.14.CB	172	05.7000.B1	579	05.7106.74	546	05.7201.GL	558	05.7401.EQ	568	05.7433.B1	564
05.6450.14.DA	172	05.7000.EQ	579	05.7106.B1	546	05.7202.74	558	05.7401.GL	568	05.7433.EQ	564
05.6450.40	172	05.7000.GL	579	05.7106.EQ	546	05.7202.B1	558	05.7402.74	568	05.7433.GL	564
05.6450.40.1V	172	05.7001.74	579	05.7106.GL	546	05.7202.EQ	558	05.7402.B1	568	05.7434.74	574
05.6450.40.78	172	05.7001.B1	579	05.7107.74	546	05.7202.GL	558	05.7402.EQ	568	05.7434.B1	574
05.6450.40.C6	172	05.7001.EQ	579	05.7107.B1	546	05.7205.74	558	05.7402.GL	568	05.7434.EQ	574
05.6450.40.CB	172	05.7001.GL	579	05.7107.EQ	546	05.7205.B1	558	05.7403.74	568	05.7434.GL	574
05.6450.40.DA	172	05.7002.74	579	05.7107.GL	546	05.7205.EQ	558	05.7403.B1	568	05.7435.74	574
05.6450.40.RX	172	05.7002.B1	579	05.7110.74	548	05.7205.GL	558	05.7403.EQ	568	05.7435.B1	574
05.6450.40.YU	172	05.7002.EQ	579	05.7110.B1	548	05.7206.74	558	05.7403.GL	568	05.7435.EQ	574
05.6450.AP	172	05.7002.GL	579	05.7110.EQ	548	05.7206.B1	558	05.7404.74	568	05.7435.GL	574
05.6450.AP.1V	172	05.7005.74	579	05.7110.GL	548	05.7206.EQ	558	05.7404.B1	568	05.7436.74	576
05.6450.AP.CB	172	05.7005.B1	579	05.7111.74	548	05.7206.GL	558	05.7404.EQ	568	05.7436.B1	576
05.6450.AP.DA	172	05.7005.EQ	579	05.7111.B1	548	05.7207.74	558	05.7404.GL	568	05.7436.EQ	576
05.6451.14	172	05.7005.GL	579	05.7111.EQ	548	05.7207.B1	558	05.7405.74	568	05.7436.GL	576
05.6451.14.1V	172	05.7006.74	579	05.7111.GL	548	05.7207.EQ	558	05.7405.B1	568	05.7437.74	576
05.6451.14.CB	172	05.7006.B1	579	05.7112.74	548	05.7207.GL	558	05.7405.EQ	568	05.7437.B1	576
05.6451.14.DA	172	05.7006.EQ	579	05.7112.B1	548	05.7210.74	559	05.7405.GL	568	05.7437.EQ	576
05.6451.40	172	05.7006.GL	579	05.7112.EQ	548	05.7210.B1	559	05.7406.74	564	05.7437.GL	576
05.6451.40.1V	172	05.7007.74	579	05.7112.GL	548	05.7210.EQ	559	05.7406.B1	564	05.7438.74	571

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05.7438.B1	571	05.7464.74	538	05.7626.GL	554	05.8030.14	489	05.8162.40	500	05.8301.40.1V	506
05.7438.EQ	571	05.7464.B1	538	05.7627.74	555	05.8030.40	489	05.8163.14	500	05.8301.40.CB	506
05.7438.GL	571	05.7464.EQ	538	05.7627.B1	555	05.8031.14	489	05.8163.40	500	05.8301.40.DA	506
05.7439.74	571	05.7464.GL	538	05.7627.EQ	555	05.8031.40	489	05.8165.14	502	05.8301.40.NI	506
05.7439.B1	571	05.7465.74	538	05.7627.GL	555	05.8032.14	489	05.8165.40	502	05.8302.14.1V	506
05.7439.EQ	571	05.7465.B1	538	05.7628.74	555	05.8032.40	489	05.8166.14	502	05.8302.14.CB	506
05.7439.GL	571	05.7465.EQ	538	05.7628.B1	555	05.8033.14	490	05.8166.40	502	05.8302.14.DA	506
05.7440.74	561	05.7465.GL	538	05.7628.EQ	555	05.8033.40	490	05.8167.14	502	05.8302.14.NI	506
05.7440.B1	561	05.7600.74	554	05.7628.GL	555	05.8034.14	490	05.8167.40	502	05.8302.40.1V	506
05.7440.EQ	561	05.7600.B1	554	05.7630.74	556	05.8034.40	490	05.8168.14	502	05.8302.40.CB	506
05.7440.GL	561	05.7600.EQ	554	05.7630.B1	556	05.8035.14	490	05.8168.40	502	05.8302.40.DA	506
05.7441.74	561	05.7600.GL	554	05.7630.EQ	556	05.8035.40	490	05.8170.14	504	05.8302.40.NI	506
05.7441.B1	561	05.7601.74	554	05.7630.GL	556	05.8036.14	491	05.8170.40	504	05.8306.14.1V	506
05.7441.EQ	561	05.7601.B1	554	05.7631.74	556	05.8036.40	491	05.8171.14	504	05.8306.14.CB	506
05.7441.GL	561	05.7601.EQ	554	05.7631.B1	556	05.8037.14	491	05.8171.40	504	05.8306.14.DA	506
05.7442.74	571	05.7601.GL	554	05.7631.EQ	556	05.8037.40	491	05.8172.14	504	05.8306.14.NI	506
05.7442.B1	571	05.7602.74	555	05.7631.GL	556	05.8038.14	491	05.8172.40	504	05.8306.40.1V	506
05.7442.EQ	571	05.7602.B1	555	05.7632.74	557	05.8038.40	491	05.8173.14	504	05.8306.40.CB	506
05.7442.GL	571	05.7602.EQ	555	05.7632.B1	557	05.8100.14	494	05.8173.40	504	05.8306.40.DA	506
05.7443.74	571	05.7602.GL	555	05.7632.EQ	557	05.8100.40	494	05.8200.14	495	05.8306.40.NI	506
05.7443.B1	571	05.7603.74	555	05.7632.GL	557	05.8101.14	494	05.8200.40	495	05.8307.14.1V	506
05.7443.EQ	571	05.7603.B1	555	05.7633.74	557	05.8101.40	494	05.8201.14	495	05.8307.14.CB	506
05.7443.GL	571	05.7603.EQ	555	05.7633.B1	557	05.8102.14	494	05.8201.40	495	05.8307.14.DA	506
05.7444.74	571	05.7603.GL	555	05.7633.EQ	557	05.8102.40	494	05.8202.14	495	05.8307.14.NI	506
05.7444.B1	571	05.7605.74	554	05.7633.GL	557	05.8103.14	494	05.8202.40	495	05.8307.40.1V	506
05.7444.EQ	571	05.7605.B1	554	05.7635.74	556	05.8103.40	494	05.8203.14	497	05.8307.40.CB	506
05.7444.GL	571	05.7605.EQ	554	05.7635.B1	556	05.8105.14	496	05.8203.40	497	05.8307.40.DA	506
05.7445.74	571	05.7605.GL	554	05.7635.EQ	556	05.8105.40	496	05.8204.14	497	05.8307.40.NI	506
05.7445.B1	571	05.7606.74	554	05.7635.GL	556	05.8106.14	496	05.8204.40	497	05.8311.14.1V	507
05.7445.EQ	571	05.7606.B1	554	05.7636.74	556	05.8106.40	496	05.8205.14	497	05.8311.14.CB	507
05.7445.GL	571	05.7606.EQ	554	05.7636.B1	556	05.8107.14	496	05.8205.40	497	05.8311.14.DA	507
05.7446.74	561	05.7606.GL	554	05.7636.EQ	556	05.8107.40	496	05.8206.14	499	05.8311.14.NI	507
05.7446.B1	561	05.7607.74	555	05.7636.GL	556	05.8108.14	496	05.8206.40	499	05.8311.40.1V	507
05.7446.EQ	561	05.7607.B1	555	05.7637.74	557	05.8108.40	496	05.8207.14	499	05.8311.40.CB	507
05.7446.GL	561	05.7607.EQ	555	05.7637.B1	557	05.8110.14	498	05.8207.40	499	05.8311.40.DA	507
05.7447.74	561	05.7607.GL	555	05.7637.EQ	557	05.8110.40	498	05.8208.14	499	05.8311.40.NI	507
05.7447.B1	561	05.7608.74	555	05.7637.GL	557	05.8111.14	498	05.8208.40	499	05.8312.14.1V	507
05.7447.EQ	561	05.7608.B1	555	05.7638.74	557	05.8111.40	498	05.8210.14	495	05.8312.14.CB	507
05.7447.GL	561	05.7608.EQ	555	05.7638.B1	557	05.8112.14	498	05.8210.40	495	05.8312.14.DA	507
05.7450.74	528	05.7608.GL	555	05.7638.EQ	557	05.8112.40	498	05.8211.14	495	05.8312.14.NI	507
05.7450.B1	528	05.7610.74	556	05.7638.GL	557	05.8113.14	498	05.8211.40	495	05.8312.40.1V	507
05.7450.EQ	528	05.7610.B1	556	05.8000.14	486	05.8113.40	498	05.8212.14	495	05.8312.40.CB	507
05.7450.GL	528	05.7610.EQ	556	05.8000.40	486	05.8120.14	494	05.8212.40	495	05.8312.40.DA	507
05.7451.74	528	05.7610.GL	556	05.8001.14	486	05.8120.40	494	05.8213.14	497	05.8312.40.NI	507
05.7451.B1	528	05.7611.74	556	05.8001.40	486	05.8121.14	494	05.8213.40	497	05.8341.14.1V	508
05.7451.EQ	528	05.7611.B1	556	05.8002.14	486	05.8121.40	494	05.8214.14	497	05.8341.14.CB	508
05.7451.GL	528	05.7611.EQ	556	05.8002.40	486	05.8122.14	494	05.8214.40	497	05.8341.14.DA	508
05.7452.74	528	05.7611.GL	556	05.8003.14	487	05.8122.40	494	05.8215.14	497	05.8341.14.NI	508
05.7452.B1	528	05.7612.74	557	05.8003.40	487	05.8123.14	494	05.8215.40	497	05.8341.40.1V	508
05.7452.EQ	528	05.7612.B1	557	05.8004.14	487	05.8123.40	494	05.8216.14	499	05.8341.40.CB	508
05.7452.GL	528	05.7612.EQ	557	05.8004.40	487	05.8125.14	496	05.8216.40	499	05.8341.40.DA	508
05.7453.74	528	05.7612.GL	557	05.8005.14	487	05.8125.40	496	05.8217.14	499	05.8341.40.NI	508
05.7453.B1	528	05.7613.74	557	05.8005.40	487	05.8126.14	496	05.8217.40	499	05.8342.14.1V	508
05.7453.EQ	528	05.7613.B1	557	05.8006.14	488	05.8126.40	496	05.8218.14	499	05.8342.14.CB	508
05.7453.GL	528	05.7613.EQ	557	05.8006.40	488	05.8127.14	496	05.8218.40	499	05.8342.14.DA	508
05.7454.74	531	05.7613.GL	557	05.8007.14	488	05.8127.40	496	05.8220.14	501	05.8342.14.NI	508
05.7454.B1	531	05.7615.74	556	05.8007.40	488	05.8128.14	496	05.8220.40	501	05.8342.40.1V	508
05.7454.EQ	531	05.7615.B1	556	05.8008.14	488	05.8128.40	496	05.8221.14	501	05.8342.40.CB	508
05.7454.GL	531	05.7615.EQ	556	05.8008.40	488	05.8130.14	498	05.8221.40	501	05.8342.40.DA	508
05.7455.74	531	05.7615.GL	556	05.8010.14	486	05.8130.40	498	05.8222.14	501	05.8342.40.NI	508
05.7455.B1	531	05.7616.74	556	05.8010.40	486	05.8131.14	498	05.8222.40	501	05.8346.14.1V	508
05.7455.EQ	531	05.7616.B1	556	05.8011.14	486	05.8131.40	498	05.8223.14	503	05.8346.14.CB	508
05.7455.GL	531	05.7616.EQ	556	05.8011.40	486	05.8132.14	498	05.8223.40	503	05.8346.14.DA	508
05.7456.74	531	05.7616.GL	556	05.8012.14	486	05.8132.40	498	05.8224.14	503	05.8346.14.NI	508
05.7456.B1	531	05.7617.74	557	05.8012.40	486	05.8133.14	498	05.8224.40	503	05.8346.40.1V	508
05.7456.EQ	531	05.7617.B1	557	05.8013.14	487	05.8133.40	498	05.8225.14	503	05.8346.40.CB	508
05.7456.GL	531	05.7617.EQ	557	05.8013.40	487	05.8140.14	500	05.8225.40	503	05.8346.40.DA	508
05.7457.74	531	05.7617.GL	557	05.8014.14	487	05.8140.40	500	05.8226.14	505	05.8346.40.NI	508
05.7457.B1	531	05.7618.74	557	05.8014.40	487	05.8141.14	500	05.8226.40	505	05.8347.14.1V	508
05.7457.EQ	531	05.7618.B1	557	05.8015.14	487	05.8141.40	500	05.8227.14	505	05.8347.14.CB	508
05.7457.GL	531	05.7618.EQ	557	05.8015.40	487	05.8142.14	500	05.8227.40	505	05.8347.14.DA	508
05.7458.74	535	05.7618.GL	557	05.8016.14	488	05.8142.40	500	05.8228.14	505	05.8347.14.NI	508
05.7458.B1	535	05.7620.74	554	05.8016.40	488	05.8143.14	500	05.8228.40	505	05.8347.40.1V	508
05.7458.EQ	535	05.7620.B1	554	05.8017.14	488	05.8143.40	500	05.8230.14	501	05.8347.40.CB	508
05.7458.GL	535	05.7620.EQ	554	05.8017.40	488	05.8145.14	502	05.8230.40	501	05.8347.40.DA	508
05.7459.74	535	05.7620.GL	554	05.8018.14	488	05.8145.40	502	05.8231.14	501	05.8347.40.NI	508
05.7459.B1	535	05.7621.74	554	05.8018.40	488	05.8146.14	502	05.8231.40	501	05.8351.14.1V	509
05.7459.EQ	535	05.7621.B1	554	05.8020.14	489	05.8146.40	502	05.8232.14	501	05.8351.14.CB	509
05.7459.GL	535	05.7621.EQ	554	05.8020.40	489	05.8147.14	502	05.8232.40	501	05.8351.14.DA	509
05.7460.74	535	05.7621.GL	554	05.8021.14	489	05.8147.40	502	05.8233.14	503	05.8351.14.NI	509
05.7460.B1	535	05.7622.74	555	05.8021.40	489	05.8148.14	502	05.8233.40	503	05.8351.40.1V	509
05.7460.EQ	535	05.7622.B1	555	05.8022.14	489	05.8148.40	502	05.8234.14	503	05.8351.40.CB	509
05.7460.GL	535	05.7622.EQ	555	05.8022.40	489	05.8150.14	504	05.8234.40	503	05.8351.40.DA	509
05.7461.74	535	05.7622.GL	555	05.8023.14	490	05.8150.40	504	05.8235.14	503	05.8351.40.NI	509
05.7461.B1	535	05.7623.74	555	05.8023.40	490	05.8151.14	504	05.8235.40	503	05.8352.14.1V	509
05.7461.EQ	535	05.7623.B1	555	05.8024.14	490	05.8151.40	504	05.8236.14	505	05.8352.14.CB	509
05.7461.GL	535	05.7623.EQ	555	05.8024.40	490	05.8152.14	504	05.8236.40	505	05.8352.14.DA	509
05.7462.74	538	05.7623.GL	555	05.8025.14	490	05.8152.40	504	05.8237.14	505	05.8352.14.NI	509
05.7462.B1	538	05.7625.74	554	05.8025.40	490	05.8153.14	504	05.8237.40	505	05.8352.40.1V	509
05.7462.EQ	538	05.7625.B1	554	05.8026.14	491	05.8153.40	504	05.8238.14	505	05.8352.40.CB	509
05.7462.GL	538	05.7625.EQ	554	05.8026.40	491	05.8160.14	500	05.8238.40	505	05.8352.40.DA	509
05.7463.74	538	05.7625.GL	554	05.8027.14	491	05.8160.40	500	05.8301.14.1V	506	05.8352.40.NI	509
05.7463.B1	538	05.7626.74	554	05.8027.40	491	05.8161.14	500	05.8301.14.CB	506	05.9000.14	56
05.7463.EQ	538	05.7626.B1	554	05.8028.14	491	05.8161.40	500	05.8301.14.DA	506	05.9000.14	208
05.7463.GL	538	05.7626.EQ	554	05.8028.40	491	05.8162.14	500	05.8301.14.NI	506	05.9000.14.1V	56

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05.9000.14.1V	208	05.9002.EQ.1V	57	05.9005.ES	208	05.9008.40	57	05.9031.EQ.DA	210	05.9035.ES.DA	58
05.9000.14.CB	56	05.9002.EQ.1V	209	05.9005.ES.1V	56	05.9008.40	209	05.9031.ER	58	05.9035.ES.DA	210
05.9000.14.CB	208	05.9002.EQ.CB	57	05.9005.ES.1V	208	05.9008.40.1V	57	05.9031.ER	210	05.9036.14	58
05.9000.14.DA	56	05.9002.EQ.CB	209	05.9005.ES.CB	56	05.9008.40.1V	209	05.9031.ER.1V	58	05.9036.14	210
05.9000.14.DA	208	05.9002.EQ.DA	57	05.9005.ES.CB	208	05.9008.40.CB	57	05.9031.ER.1V	210	05.9036.14.1V	58
05.9000.40	56	05.9002.EQ.DA	209	05.9005.ES.DA	56	05.9008.40.CB	209	05.9031.ER.CB	58	05.9036.14.1V	210
05.9000.40	208	05.9002.ER	57	05.9005.ES.DA	208	05.9008.40.DA	57	05.9031.ER.CB	210	05.9036.14.CB	58
05.9000.40.1V	56	05.9002.ER	209	05.9006.14	56	05.9008.40.DA	209	05.9031.ER.DA	58	05.9036.14.CB	210
05.9000.40.1V	208	05.9002.ER.1V	57	05.9006.14	208	05.9008.EQ	57	05.9031.ER.DA	210	05.9036.14.DA	58
05.9000.40.CB	56	05.9002.ER.1V	209	05.9006.14.1V	56	05.9008.EQ	209	05.9031.ES	58	05.9036.14.DA	210
05.9000.40.CB	208	05.9002.ER.CB	57	05.9006.14.1V	208	05.9008.EQ.1V	57	05.9031.ES	210	05.9036.40	58
05.9000.40.DA	56	05.9002.ER.CB	209	05.9006.14.CB	56	05.9008.EQ.1V	209	05.9031.ES.1V	58	05.9036.40	210
05.9000.40.DA	208	05.9002.ER.DA	57	05.9006.14.CB	208	05.9008.EQ.CB	57	05.9031.ES.1V	210	05.9036.40.1V	58
05.9000.EQ	56	05.9002.ER.DA	209	05.9006.14.DA	56	05.9008.EQ.CB	209	05.9031.ES.CB	58	05.9036.40.1V	210
05.9000.EQ	208	05.9002.ES	57	05.9006.14.DA	208	05.9008.EQ.DA	57	05.9031.ES.CB	210	05.9036.40.CB	58
05.9000.EQ.1V	56	05.9002.ES	209	05.9006.40	56	05.9008.EQ.DA	209	05.9031.ES.DA	58	05.9036.40.CB	210
05.9000.EQ.1V	208	05.9002.ES.1V	57	05.9006.40	208	05.9008.ER	57	05.9031.ES.DA	210	05.9036.40.DA	58
05.9000.EQ.CB	56	05.9002.ES.1V	209	05.9006.40.1V	56	05.9008.ER	209	05.9032.14	59	05.9036.40.DA	210
05.9000.EQ.CB	208	05.9002.ES.CB	57	05.9006.40.1V	208	05.9008.ER.1V	57	05.9032.14	211	05.9036.EQ	58
05.9000.EQ.DA	56	05.9002.ES.CB	209	05.9006.40.CB	56	05.9008.ER.1V	209	05.9032.14.1V	59	05.9036.EQ	210
05.9000.EQ.DA	208	05.9002.ES.DA	57	05.9006.40.CB	208	05.9008.ER.CB	57	05.9032.14.1V	211	05.9036.EQ.1V	58
05.9000.ER	56	05.9002.ES.DA	209	05.9006.40.DA	56	05.9008.ER.CB	209	05.9032.14.CB	59	05.9036.EQ.1V	210
05.9000.ER	208	05.9003.14	57	05.9006.40.DA	208	05.9008.ER.DA	57	05.9032.14.CB	211	05.9036.EQ.CB	58
05.9000.ER.1V	56	05.9003.14	209	05.9006.EQ	56	05.9008.ER.DA	209	05.9032.14.DA	59	05.9036.EQ.CB	210
05.9000.ER.1V	208	05.9003.14.1V	57	05.9006.EQ	208	05.9008.ES	57	05.9032.14.DA	211	05.9036.EQ.DA	58
05.9000.ER.CB	56	05.9003.14.1V	209	05.9006.EQ.1V	56	05.9008.ES	209	05.9032.40	59	05.9036.EQ.DA	210
05.9000.ER.CB	208	05.9003.14.CB	57	05.9006.EQ.1V	208	05.9008.ES.1V	57	05.9032.40	211	05.9036.ER	58
05.9000.ER.DA	56	05.9003.14.CB	209	05.9006.EQ.CB	56	05.9008.ES.1V	209	05.9032.40.1V	59	05.9036.ER	210
05.9000.ER.DA	208	05.9003.14.DA	57	05.9006.EQ.CB	208	05.9008.ES.CB	57	05.9032.40.1V	211	05.9036.ER.1V	58
05.9000.ES	56	05.9003.14.DA	209	05.9006.EQ.DA	56	05.9008.ES.CB	209	05.9032.40.CB	59	05.9036.ER.1V	210
05.9000.ES	208	05.9003.40	57	05.9006.EQ.DA	208	05.9008.ES.DA	57	05.9032.40.CB	211	05.9036.ER.CB	58
05.9000.ES.1V	56	05.9003.40	209	05.9006.ER	56	05.9008.ES.DA	209	05.9032.40.DA	59	05.9036.ER.CB	210
05.9000.ES.1V	208	05.9003.40.1V	57	05.9006.ER	208	05.9030.14	58	05.9032.40.DA	211	05.9036.ER.DA	58
05.9000.ES.CB	56	05.9003.40.1V	209	05.9006.ER.1V	56	05.9030.14	210	05.9032.EQ	59	05.9036.ER.DA	210
05.9000.ES.CB	208	05.9003.40.CB	57	05.9006.ER.1V	208	05.9030.14.1V	58	05.9032.EQ	211	05.9036.ES	58
05.9000.ES.DA	56	05.9003.40.CB	209	05.9006.ER.CB	56	05.9030.14.1V	210	05.9032.EQ.1V	59	05.9036.ES	210
05.9000.ES.DA	208	05.9003.40.DA	57	05.9006.ER.CB	208	05.9030.14.CB	58	05.9032.EQ.1V	211	05.9036.ES.1V	58
05.9001.14	56	05.9003.40.DA	209	05.9006.ER.DA	56	05.9030.14.CB	210	05.9032.EQ.CB	59	05.9036.ES.1V	210
05.9001.14	208	05.9003.EQ	57	05.9006.ER.DA	208	05.9030.14.DA	58	05.9032.EQ.CB	211	05.9036.ES.CB	58
05.9001.14.1V	56	05.9003.EQ	209	05.9006.ES	56	05.9030.14.DA	210	05.9032.EQ.DA	59	05.9036.ES.CB	210
05.9001.14.1V	208	05.9003.EQ.1V	57	05.9006.ES	208	05.9030.40	58	05.9032.EQ.DA	211	05.9036.ES.DA	58
05.9001.14.CB	56	05.9003.EQ.1V	209	05.9006.ES.1V	56	05.9030.40	210	05.9032.ER	59	05.9036.ES.DA	210
05.9001.14.CB	208	05.9003.EQ.CB	57	05.9006.ES.1V	208	05.9030.40.1V	58	05.9032.ER	211	05.9037.14	59
05.9001.14.DA	56	05.9003.EQ.CB	209	05.9006.ES.CB	56	05.9030.40.1V	210	05.9032.ER.1V	59	05.9037.14	211
05.9001.14.DA	208	05.9003.EQ.DA	57	05.9006.ES.CB	208	05.9030.40.CB	58	05.9032.ER.1V	211	05.9037.14.1V	59
05.9001.40	56	05.9003.EQ.DA	209	05.9006.ES.DA	56	05.9030.40.CB	210	05.9032.ER.CB	59	05.9037.14.1V	211
05.9001.40	208	05.9003.ER	57	05.9006.ES.DA	208	05.9030.40.DA	58	05.9032.ER.CB	211	05.9037.14.CB	59
05.9001.40.1V	56	05.9003.ER	209	05.9007.14	57	05.9030.40.DA	210	05.9032.ER.DA	59	05.9037.14.CB	211
05.9001.40.1V	208	05.9003.ER.1V	57	05.9007.14	209	05.9030.EQ	58	05.9032.ER.DA	211	05.9037.14.DA	59
05.9001.40.CB	56	05.9003.ER.1V	209	05.9007.14.1V	57	05.9030.EQ	210	05.9032.ES	59	05.9037.14.DA	211
05.9001.40.CB	208	05.9003.ER.CB	57	05.9007.14.1V	209	05.9030.EQ.1V	58	05.9032.ES	211	05.9037.40	59
05.9001.40.DA	56	05.9003.ER.CB	209	05.9007.14.CB	57	05.9030.EQ.1V	210	05.9032.ES.1V	59	05.9037.40	211
05.9001.40.DA	208	05.9003.ER.DA	57	05.9007.14.CB	209	05.9030.EQ.CB	58	05.9032.ES.1V	211	05.9037.40.1V	59
05.9001.EQ	56	05.9003.ER.DA	209	05.9007.14.DA	57	05.9030.EQ.CB	210	05.9032.ES.CB	59	05.9037.40.1V	211
05.9001.EQ	208	05.9003.ES	57	05.9007.14.DA	209	05.9030.EQ.DA	58	05.9032.ES.CB	211	05.9037.40.CB	59
05.9001.EQ.1V	56	05.9003.ES	209	05.9007.40	57	05.9030.EQ.DA	210	05.9032.ES.DA	59	05.9037.40.CB	211
05.9001.EQ.1V	208	05.9003.ES.1V	57	05.9007.40	209	05.9030.ER	58	05.9032.ES.DA	211	05.9037.40.DA	59
05.9001.EQ.CB	56	05.9003.ES.1V	209	05.9007.40.1V	57	05.9030.ER	210	05.9035.14	58	05.9037.40.DA	211
05.9001.EQ.CB	208	05.9003.ES.CB	57	05.9007.40.1V	209	05.9030.ER.1V	58	05.9035.14	210	05.9037.EQ	59
05.9001.EQ.DA	56	05.9003.ES.CB	209	05.9007.40.CB	57	05.9030.ER.1V	210	05.9035.14.1V	58	05.9037.EQ	211
05.9001.EQ.DA	208	05.9003.ES.DA	57	05.9007.40.CB	209	05.9030.ER.CB	58	05.9035.14.1V	210	05.9037.EQ.1V	59
05.9001.ER	56	05.9003.ES.DA	209	05.9007.40.DA	57	05.9030.ER.CB	210	05.9035.14.CB	58	05.9037.EQ.1V	211
05.9001.ER	208	05.9005.14	56	05.9007.40.DA	209	05.9030.ER.DA	58	05.9035.14.CB	210	05.9037.EQ.CB	59
05.9001.ER.1V	56	05.9005.14	208	05.9007.EQ	57	05.9030.ER.DA	210	05.9035.14.DA	58	05.9037.EQ.CB	211
05.9001.ER.1V	208	05.9005.14.1V	56	05.9007.EQ	209	05.9030.ES	58	05.9035.14.DA	210	05.9037.EQ.DA	59
05.9001.ER.CB	56	05.9005.14.1V	208	05.9007.EQ.1V	57	05.9030.ES	210	05.9035.40	58	05.9037.EQ.DA	211
05.9001.ER.CB	208	05.9005.14.CB	56	05.9007.EQ.1V	209	05.9030.ES.1V	58	05.9035.40	210	05.9037.ER	59
05.9001.ER.DA	56	05.9005.14.CB	208	05.9007.EQ.CB	57	05.9030.ES.1V	210	05.9035.40.1V	58	05.9037.ER	211
05.9001.ER.DA	208	05.9005.14.DA	56	05.9007.EQ.CB	209	05.9030.ES.CB	58	05.9035.40.1V	210	05.9037.ER.1V	59
05.9001.ES	56	05.9005.14.DA	208	05.9007.EQ.DA	57	05.9030.ES.CB	210	05.9035.40.CB	58	05.9037.ER.1V	211
05.9001.ES	208	05.9005.40	56	05.9007.EQ.DA	209	05.9030.ES.DA	58	05.9035.40.CB	210	05.9037.ER.CB	59
05.9001.ES.1V	56	05.9005.40	208	05.9007.ER	57	05.9030.ES.DA	210	05.9035.40.DA	58	05.9037.ER.CB	211
05.9001.ES.1V	208	05.9005.40.1V	56	05.9007.ER	209	05.9031.14	58	05.9035.40.DA	210	05.9037.ER.DA	59
05.9001.ES.CB	56	05.9005.40.1V	208	05.9007.ER.1V	57	05.9031.14	210	05.9035.EQ	58	05.9037.ER.DA	211
05.9001.ES.CB	208	05.9005.40.CB	56	05.9007.ER.1V	209	05.9031.14.1V	58	05.9035.EQ	210	05.9037.ES	59
05.9001.ES.DA	56	05.9005.40.CB	208	05.9007.ER.CB	57	05.9031.14.1V	210	05.9035.EQ.1V	58	05.9037.ES	211
05.9001.ES.DA	208	05.9005.40.DA	56	05.9007.ER.CB	209	05.9031.14.CB	58	05.9035.EQ.1V	210	05.9037.ES.1V	59
05.9002.14	57	05.9005.40.DA	208	05.9007.ER.DA	57	05.9031.14.CB	210	05.9035.EQ.CB	58	05.9037.ES.1V	211
05.9002.14	209	05.9005.EQ	56	05.9007.ER.DA	209	05.9031.14.DA	58	05.9035.EQ.CB	210	05.9037.ES.CB	59
05.9002.14.1V	57	05.9005.EQ	208	05.9007.ES	57	05.9031.14.DA	210	05.9035.EQ.DA	58	05.9037.ES.CB	211
05.9002.14.1V	209	05.9005.EQ.1V	56	05.9007.ES	209	05.9031.40	58	05.9035.EQ.DA	210	05.9037.ES.DA	59
05.9002.14.CB	57	05.9005.EQ.1V	208	05.9007.ES.1V	57	05.9031.40	210	05.9035.ER	58	05.9037.ES.DA	211
05.9002.14.CB	209	05.9005.EQ.CB	56	05.9007.ES.1V	209	05.9031.40.1V	58	05.9035.ER	210	05.9060.14	60
05.9002.14.DA	57	05.9005.EQ.CB	208	05.9007.ES.CB	57	05.9031.40.1V	210	05.9035.ER.1V	58	05.9060.14	212
05.9002.14.DA	209	05.9005.EQ.DA	56	05.9007.ES.CB	209	05.9031.40.CB	58	05.9035.ER.1V	210	05.9060.14.1V	60
05.9002.40	57	05.9005.EQ.DA	208	05.9007.ES.DA	57	05.9031.40.CB	210	05.9035.ER.CB	58	05.9060.14.1V	212
05.9002.40	209	05.9005.ER	56	05.9007.ES.DA	209	05.9031.40.DA	58	05.9035.ER.CB	210	05.9060.14.CB	60
05.9002.40.1V	57	05.9005.ER	208	05.9008.14	57	05.9031.40.DA	210	05.9035.ER.DA	58	05.9060.14.CB	212
05.9002.40.1V	209	05.9005.ER.1V	56	05.9008.14	209	05.9031.EQ	58	05.9035.ER.DA	210	05.9060.14.DA	60
05.9002.40.CB	57	05.9005.ER.1V	208	05.9008.14.1V	57	05.9031.EQ	210	05.9035.ES	58	05.9060.14.DA	212
05.9002.40.CB	209	05.9005.ER.CB	56	05.9008.14.1V	209	05.9031.EQ.1V	58	05.9035.ES	210	05.9060.40	60
05.9002.40.DA	57	05.9005.ER.CB	208	05.9008.14.CB	57	05.9031.EQ.1V	210	05.9035.ES.1V	58	05.9060.40	212
05.9002.40.DA	209	05.9005.ER.DA	56	05.9008.14.CB	209	05.9031.EQ.CB	58	05.9035.ES.1V	210	05.9060.40.1V	60
05.9002.EQ	57	05.9005.ER.DA	208	05.9008.14.DA	57	05.9031.EQ.CB	210	05.9035.ES.CB	58	05.9060.40.1V	212
05.9002.EQ	209	05.9005.ES	56	05.9008.14.DA	209	05.9031.EQ.DA	58	05.9035.ES.CB	210	05.9060.40.CB	60

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05.9060.40.DA	60	05.9062.ER.CB	213	05.9065.14.CB	60	05.9067.EQ.1V	213	05.9069.ES.1V	62	05.9105.EQ.1V	158
05.9060.40.DA	212	05.9062.ER.DA	61	05.9065.14.CB	212	05.9067.EQ.CB	61	05.9069.ES.1V	214	05.9105.EQ.CB	158
05.9060.EQ	60	05.9062.ER.DA	213	05.9065.14.DA	60	05.9067.EQ.CB	213	05.9069.ES.CB	62	05.9105.EQ.DA	158
05.9060.EQ	212	05.9062.ES	61	05.9065.14.DA	212	05.9067.EQ.DA	61	05.9069.ES.CB	214	05.9105.ER	158
05.9060.EQ.1V	60	05.9062.ES	213	05.9065.40	60	05.9067.EQ.DA	213	05.9069.ES.DA	62	05.9105.ER.1V	158
05.9060.EQ.1V	212	05.9062.ES.1V	61	05.9065.40	212	05.9067.ER	61	05.9069.ES.DA	214	05.9105.ER.CB	158
05.9060.EQ.CB	60	05.9062.ES.1V	213	05.9065.40.1V	60	05.9067.ER	213	05.9100.14	158	05.9105.ER.DA	158
05.9060.EQ.CB	212	05.9062.ES.CB	61	05.9065.40.1V	212	05.9067.ER.1V	61	05.9100.14.1V	158	05.9105.ES	158
05.9060.EQ.DA	60	05.9062.ES.CB	213	05.9065.40.CB	60	05.9067.ER.1V	213	05.9100.14.CB	158	05.9105.ES.1V	158
05.9060.EQ.DA	212	05.9062.ES.DA	61	05.9065.40.CB	212	05.9067.ER.CB	61	05.9100.14.DA	158	05.9105.ES.CB	158
05.9060.ER	60	05.9062.ES.DA	213	05.9065.40.DA	60	05.9067.ER.CB	213	05.9100.40	158	05.9105.ES.DA	158
05.9060.ER	212	05.9063.14	61	05.9065.40.DA	212	05.9067.ER.DA	61	05.9100.40.1V	158	05.9106.14	158
05.9060.ER.1V	60	05.9063.14	213	05.9065.EQ	60	05.9067.ER.DA	213	05.9100.40.CB	158	05.9106.14.1V	158
05.9060.ER.1V	212	05.9063.14.1V	61	05.9065.EQ	212	05.9067.ES	61	05.9100.40.DA	158	05.9106.14.CB	158
05.9060.ER.CB	60	05.9063.14.1V	213	05.9065.EQ.1V	60	05.9067.ES	213	05.9100.EQ	158	05.9106.14.DA	158
05.9060.ER.CB	212	05.9063.14.CB	61	05.9065.EQ.1V	212	05.9067.ES.1V	61	05.9100.EQ.1V	158	05.9106.40	158
05.9060.ER.DA	60	05.9063.14.CB	213	05.9065.EQ.CB	60	05.9067.ES.1V	213	05.9100.EQ.CB	158	05.9106.40.1V	158
05.9060.ER.DA	212	05.9063.14.DA	61	05.9065.EQ.CB	212	05.9067.ES.CB	61	05.9100.EQ.DA	158	05.9106.40.CB	158
05.9060.ES	60	05.9063.14.DA	213	05.9065.EQ.DA	60	05.9067.ES.CB	213	05.9100.ER	158	05.9106.40.DA	158
05.9060.ES	212	05.9063.40	61	05.9065.EQ.DA	212	05.9067.ES.DA	61	05.9100.ER.1V	158	05.9106.EQ	158
05.9060.ES.1V	60	05.9063.40	213	05.9065.ER	60	05.9067.ES.DA	213	05.9100.ER.CB	158	05.9106.EQ.1V	158
05.9060.ES.1V	212	05.9063.40.1V	61	05.9065.ER	212	05.9068.14	61	05.9100.ER.DA	158	05.9106.EQ.CB	158
05.9060.ES.CB	60	05.9063.40.1V	213	05.9065.ER.1V	60	05.9068.14	213	05.9100.ES	158	05.9106.EQ.DA	158
05.9060.ES.CB	212	05.9063.40.CB	61	05.9065.ER.1V	212	05.9068.14.1V	61	05.9100.ES.1V	158	05.9106.ER	158
05.9060.ES.DA	60	05.9063.40.CB	213	05.9065.ER.CB	60	05.9068.14.1V	213	05.9100.ES.CB	158	05.9106.ER.1V	158
05.9060.ES.DA	212	05.9063.40.DA	61	05.9065.ER.CB	212	05.9068.14.CB	61	05.9100.ES.DA	158	05.9106.ER.CB	158
05.9061.14	60	05.9063.40.DA	213	05.9065.ER.DA	60	05.9068.14.CB	213	05.9101.14	158	05.9106.ER.DA	158
05.9061.14	212	05.9063.EQ	61	05.9065.ER.DA	212	05.9068.14.DA	61	05.9101.14.1V	158	05.9106.ES	158
05.9061.14.1V	60	05.9063.EQ	213	05.9065.ES	60	05.9068.14.DA	213	05.9101.14.CB	158	05.9106.ES.1V	158
05.9061.14.1V	212	05.9063.EQ.1V	61	05.9065.ES	212	05.9068.40	61	05.9101.14.DA	158	05.9106.ES.CB	158
05.9061.14.CB	60	05.9063.EQ.1V	213	05.9065.ES.1V	60	05.9068.40	213	05.9101.40	158	05.9106.ES.DA	158
05.9061.14.CB	212	05.9063.EQ.CB	61	05.9065.ES.1V	212	05.9068.40.1V	61	05.9101.40.1V	158	05.9107.14	159
05.9061.14.DA	60	05.9063.EQ.CB	213	05.9065.ES.CB	60	05.9068.40.1V	213	05.9101.40.CB	158	05.9107.14.1V	159
05.9061.14.DA	212	05.9063.EQ.DA	61	05.9065.ES.CB	212	05.9068.40.CB	61	05.9101.40.DA	158	05.9107.14.CB	159
05.9061.40	60	05.9063.EQ.DA	213	05.9065.ES.DA	60	05.9068.40.CB	213	05.9101.EQ	158	05.9107.14.DA	159
05.9061.40	212	05.9063.ER	61	05.9065.ES.DA	212	05.9068.40.DA	61	05.9101.EQ.1V	158	05.9107.40	159
05.9061.40.1V	60	05.9063.ER	213	05.9066.14	60	05.9068.40.DA	213	05.9101.EQ.CB	158	05.9107.40.1V	159
05.9061.40.1V	212	05.9063.ER.1V	61	05.9066.14	212	05.9068.EQ	61	05.9101.EQ.DA	158	05.9107.40.CB	159
05.9061.40.CB	60	05.9063.ER.1V	213	05.9066.14.1V	60	05.9068.EQ	213	05.9101.ER	158	05.9107.40.DA	159
05.9061.40.CB	212	05.9063.ER.CB	61	05.9066.14.1V	212	05.9068.EQ.1V	61	05.9101.ER.1V	158	05.9107.EQ	159
05.9061.40.DA	60	05.9063.ER.CB	213	05.9066.14.CB	60	05.9068.EQ.1V	213	05.9101.ER.CB	158	05.9107.EQ.1V	159
05.9061.40.DA	212	05.9063.ER.DA	61	05.9066.14.CB	212	05.9068.EQ.CB	61	05.9101.ER.DA	158	05.9107.EQ.CB	159
05.9061.EQ	60	05.9063.ER.DA	213	05.9066.14.DA	60	05.9068.EQ.CB	213	05.9101.ES	158	05.9107.EQ.DA	159
05.9061.EQ	212	05.9063.ES	61	05.9066.14.DA	212	05.9068.EQ.DA	61	05.9101.ES.1V	158	05.9107.ER	159
05.9061.EQ.1V	60	05.9063.ES	213	05.9066.40	60	05.9068.EQ.DA	213	05.9101.ES.CB	158	05.9107.ER.1V	159
05.9061.EQ.1V	212	05.9063.ES.1V	61	05.9066.40	212	05.9068.ER	61	05.9101.ES.DA	158	05.9107.ER.CB	159
05.9061.EQ.CB	60	05.9063.ES.1V	213	05.9066.40.1V	60	05.9068.ER	213	05.9102.14	159	05.9107.ER.DA	159
05.9061.EQ.CB	212	05.9063.ES.CB	61	05.9066.40.1V	212	05.9068.ER.1V	61	05.9102.14.1V	159	05.9107.ES	159
05.9061.EQ.DA	60	05.9063.ES.CB	213	05.9066.40.CB	60	05.9068.ER.1V	213	05.9102.14.CB	159	05.9107.ES.1V	159
05.9061.EQ.DA	212	05.9063.ES.DA	61	05.9066.40.CB	212	05.9068.ER.CB	61	05.9102.14.DA	159	05.9107.ES.CB	159
05.9061.ER	60	05.9063.ES.DA	213	05.9066.40.DA	60	05.9068.ER.CB	213	05.9102.40	159	05.9107.ES.DA	159
05.9061.ER	212	05.9064.14	62	05.9066.40.DA	212	05.9068.ER.DA	61	05.9102.40.1V	159	05.9108.14	159
05.9061.ER.1V	60	05.9064.14	214	05.9066.EQ	60	05.9068.ER.DA	213	05.9102.40.CB	159	05.9108.14.1V	159
05.9061.ER.1V	212	05.9064.14.1V	62	05.9066.EQ	212	05.9068.ES	61	05.9102.40.DA	159	05.9108.14.CB	159
05.9061.ER.CB	60	05.9064.14.1V	214	05.9066.EQ.1V	60	05.9068.ES	213	05.9102.EQ	159	05.9108.14.DA	159
05.9061.ER.CB	212	05.9064.14.CB	62	05.9066.EQ.1V	212	05.9068.ES.1V	61	05.9102.EQ.1V	159	05.9108.40	159
05.9061.ER.DA	60	05.9064.14.CB	214	05.9066.EQ.CB	60	05.9068.ES.1V	213	05.9102.EQ.CB	159	05.9108.40.1V	159
05.9061.ER.DA	212	05.9064.14.DA	62	05.9066.EQ.CB	212	05.9068.ES.CB	61	05.9102.EQ.DA	159	05.9108.40.CB	159
05.9061.ES	60	05.9064.14.DA	214	05.9066.EQ.DA	60	05.9068.ES.CB	213	05.9102.ER	159	05.9108.40.DA	159
05.9061.ES	212	05.9064.40	62	05.9066.EQ.DA	212	05.9068.ES.DA	61	05.9102.ER.1V	159	05.9108.EQ	159
05.9061.ES.1V	60	05.9064.40	214	05.9066.ER	60	05.9068.ES.DA	213	05.9102.ER.CB	159	05.9108.EQ.1V	159
05.9061.ES.1V	212	05.9064.40.1V	62	05.9066.ER	212	05.9069.14	62	05.9102.ER.DA	159	05.9108.EQ.CB	159
05.9061.ES.CB	60	05.9064.40.1V	214	05.9066.ER.1V	60	05.9069.14	214	05.9102.ES	159	05.9108.EQ.DA	159
05.9061.ES.CB	212	05.9064.40.CB	62	05.9066.ER.1V	212	05.9069.14.1V	62	05.9102.ES.1V	159	05.9108.ER	159
05.9061.ES.DA	60	05.9064.40.CB	214	05.9066.ER.CB	60	05.9069.14.1V	214	05.9102.ES.CB	159	05.9108.ER.1V	159
05.9061.ES.DA	212	05.9064.40.DA	62	05.9066.ER.CB	212	05.9069.14.CB	62	05.9102.ES.DA	159	05.9108.ER.CB	159
05.9062.14	61	05.9064.40.DA	214	05.9066.ER.DA	60	05.9069.14.CB	214	05.9103.14	159	05.9108.ER.DA	159
05.9062.14	213	05.9064.EQ	62	05.9066.ER.DA	212	05.9069.14.DA	62	05.9103.14.1V	159	05.9108.ES	159
05.9062.14.1V	61	05.9064.EQ	214	05.9066.ES	60	05.9069.14.DA	214	05.9103.14.CB	159	05.9108.ES.1V	159
05.9062.14.1V	213	05.9064.EQ.1V	62	05.9066.ES	212	05.9069.40	62	05.9103.14.DA	159	05.9108.ES.CB	159
05.9062.14.CB	61	05.9064.EQ.1V	214	05.9066.ES.1V	60	05.9069.40	214	05.9103.40	159	05.9108.ES.DA	159
05.9062.14.CB	213	05.9064.EQ.CB	62	05.9066.ES.1V	212	05.9069.40.1V	62	05.9103.40.1V	159	05.9130.14	160
05.9062.14.DA	61	05.9064.EQ.CB	214	05.9066.ES.CB	60	05.9069.40.1V	214	05.9103.40.CB	159	05.9130.14.1V	160
05.9062.14.DA	213	05.9064.EQ.DA	62	05.9066.ES.CB	212	05.9069.40.CB	62	05.9103.40.DA	159	05.9130.14.CB	160
05.9062.40	61	05.9064.EQ.DA	214	05.9066.ES.DA	60	05.9069.40.CB	214	05.9103.EQ	159	05.9130.14.DA	160
05.9062.40	213	05.9064.ER	62	05.9066.ES.DA	212	05.9069.40.DA	62	05.9103.EQ.1V	159	05.9130.40	160
05.9062.40.1V	61	05.9064.ER	214	05.9067.14	61	05.9069.40.DA	214	05.9103.EQ.CB	159	05.9130.40.1V	160
05.9062.40.1V	213	05.9064.ER.1V	62	05.9067.14	213	05.9069.EQ	62	05.9103.EQ.DA	159	05.9130.40.CB	160
05.9062.40.CB	61	05.9064.ER.1V	214	05.9067.14.1V	61	05.9069.EQ	214	05.9103.ER	159	05.9130.40.DA	160
05.9062.40.CB	213	05.9064.ER.CB	62	05.9067.14.1V	213	05.9069.EQ.1V	62	05.9103.ER.1V	159	05.9130.EQ	160
05.9062.40.DA	61	05.9064.ER.CB	214	05.9067.14.CB	61	05.9069.EQ.1V	214	05.9103.ER.CB	159	05.9130.EQ.1V	160
05.9062.40.DA	213	05.9064.ER.DA	62	05.9067.14.CB	213	05.9069.EQ.CB	62	05.9103.ER.DA	159	05.9130.EQ.CB	160
05.9062.EQ	61	05.9064.ER.DA	214	05.9067.14.DA	61	05.9069.EQ.CB	214	05.9103.ES	159	05.9130.EQ.DA	160
05.9062.EQ	213	05.9064.ES	62	05.9067.14.DA	213	05.9069.EQ.DA	62	05.9103.ES.1V	159	05.9130.ER	160
05.9062.EQ.1V	61	05.9064.ES	214	05.9067.40	61	05.9069.EQ.DA	214	05.9103.ES.CB	159	05.9130.ER.1V	160
05.9062.EQ.1V	213	05.9064.ES.1V	62	05.9067.40	213	05.9069.ER	62	05.9103.ES.DA	159	05.9130.ER.CB	160
05.9062.EQ.CB	61	05.9064.ES.1V	214	05.9067.40.1V	61	05.9069.ER	214	05.9105.14	158	05.9130.ER.DA	160
05.9062.EQ.CB	213	05.9064.ES.CB	62	05.9067.40.1V	213	05.9069.ER.1V	62	05.9105.14.1V	158	05.9130.ES	160
05.9062.EQ.DA	61	05.9064.ES.CB	214	05.9067.40.CB	61	05.9069.ER.1V	214	05.9105.14.CB	158	05.9130.ES.1V	160
05.9062.EQ.DA	213	05.9064.ES.DA	62	05.9067.40.CB	213	05.9069.ER.CB	62	05.9105.14.DA	158	05.9130.ES.CB	160
05.9062.ER	61	05.9064.ES.DA	214	05.9067.40.DA	61	05.9069.ER.CB	214	05.9105.40	158	05.9130.ES.DA	160
05.9062.ER	213	05.9065.14	60	05.9067.40.DA	213	05.9069.ER.DA	62	05.9105.40.1V	158	05.9131.14	160
05.9062.ER.1V	61	05.9065.14	212	05.9067.EQ	61	05.9069.ER.DA	214	05.9105.40.CB	158	05.9131.14.1V	160
05.9062.ER.1V	213	05.9065.14.1V	60	05.9067.EQ	213	05.9069.ES	62	05.9105.40.DA	158	05.9131.14.CB	160

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05.9131.14.DA	160	05.9137.ES.CB	161	05.9212.40	631	05.9239.40AYU	633	05.9244.ERACB	633	05.9355.14	454
05.9131.40	160	05.9137.ES.DA	161	05.9212.40.78	631	05.9239.EQ	633	05.9244.ERADA	633	05.9355.40	454
05.9131.40.1V	160	05.9205.14	630	05.9212.40AC6	631	05.9239.EQACB	633	05.9244.ES	633	05.9356.14	454
05.9131.40.CB	160	05.9205.14ACB	630	05.9212.40ACB	631	05.9239.EQADA	633	05.9244.ESACB	633	05.9356.40	454
05.9131.40.DA	160	05.9205.14ADA	630	05.9212.40ADA	631	05.9239.ER	633	05.9244.ESADA	633	05.9356.EQ	454
05.9131.EQ	160	05.9205.40	630	05.9212.40AYU	631	05.9239.ERACB	633	05.9300.40	454	05.9356.TK	454
05.9131.EQ.1V	160	05.9205.40.78	630	05.9212.EQ	631	05.9239.ERADA	633	05.9301.40	454	05.9357.14	454
05.9131.EQ.CB	160	05.9205.40AC6	630	05.9212.EQACB	631	05.9239.ES	633	05.9302.40	454	05.9357.40	454
05.9131.EQ.DA	160	05.9205.40ACB	630	05.9212.EQADA	631	05.9239.ESACB	633	05.9303.40	454	05.9357.ER	454
05.9131.ER	160	05.9205.40ADA	630	05.9212.ER	631	05.9239.ESADA	633	05.9304.14	454	05.9358.ES	454
05.9131.ER.1V	160	05.9205.40AYU	630	05.9212.ERACB	631	05.9240.14	632	05.9304.40	454	05.9360.40	455
05.9131.ER.CB	160	05.9205.EQ	630	05.9212.ERADA	631	05.9240.14ACB	632	05.9304.EQ	454	05.9361.40	455
05.9131.ER.DA	160	05.9205.EQACB	630	05.9212.ES	631	05.9240.14ADA	632	05.9304.ER	454	05.9362.40	455
05.9131.ES	160	05.9205.EQADA	630	05.9212.ESACB	631	05.9240.40	632	05.9304.ES	454	05.9363.40	455
05.9131.ES.1V	160	05.9205.ER	630	05.9212.ESADA	631	05.9240.40.78	632	05.9304.TK	454	05.9364.14	455
05.9131.ES.CB	160	05.9205.ERACB	630	05.9235.14	632	05.9240.40AC6	632	05.9305.14	454	05.9364.40	455
05.9131.ES.DA	160	05.9205.ERADA	630	05.9235.14ACB	632	05.9240.40ACB	632	05.9305.40	454	05.9364.EQ	455
05.9132.14	161	05.9205.ES	630	05.9235.14ADA	632	05.9240.40ADA	632	05.9306.14	454	05.9364.ER	455
05.9132.14.1V	161	05.9205.ESACB	630	05.9235.40	632	05.9240.40AYU	632	05.9306.40	454	05.9364.ES	455
05.9132.14.CB	161	05.9205.ESADA	630	05.9235.40.78	632	05.9240.EQ	632	05.9306.EQ	454	05.9364.TK	455
05.9132.14.DA	161	05.9206.14	630	05.9235.40AC6	632	05.9240.EQACB	632	05.9306.TK	454	05.9365.14	455
05.9132.40	161	05.9206.14ACB	630	05.9235.40ACB	632	05.9240.EQADA	632	05.9307.14	454	05.9365.40	455
05.9132.40.1V	161	05.9206.14ADA	630	05.9235.40ADA	632	05.9240.ER	632	05.9307.40	454	05.9366.14	455
05.9132.40.CB	161	05.9206.40	630	05.9235.40AYU	632	05.9240.ERACB	632	05.9307.ER	454	05.9366.40	455
05.9132.40.DA	161	05.9206.40.78	630	05.9235.EQ	632	05.9240.ERADA	632	05.9308.ES	454	05.9366.EQ	455
05.9132.EQ	161	05.9206.40AC6	630	05.9235.EQACB	632	05.9240.ES	632	05.9310.40	455	05.9366.TK	455
05.9132.EQ.1V	161	05.9206.40ACB	630	05.9235.EQADA	632	05.9240.ESACB	632	05.9311.40	455	05.9367.14	455
05.9132.EQ.CB	161	05.9206.40ADA	630	05.9235.ER	632	05.9240.ESADA	632	05.9312.40	455	05.9367.40	455
05.9132.EQ.DA	161	05.9206.40AYU	630	05.9235.ERACB	632	05.9241.14	632	05.9313.40	455	05.9367.ER	455
05.9132.ER	161	05.9206.EQ	630	05.9235.ERADA	632	05.9241.14ACB	632	05.9314.14	455	05.9368.ES	455
05.9132.ER.1V	161	05.9206.EQACB	630	05.9235.ES	632	05.9241.14ADA	632	05.9314.40	455	05.9370.40	456
05.9132.ER.CB	161	05.9206.EQADA	630	05.9235.ESACB	632	05.9241.40	632	05.9314.EQ	455	05.9371.40	456
05.9132.ER.DA	161	05.9206.ER	630	05.9235.ESADA	632	05.9241.40.78	632	05.9314.ER	455	05.9372.40	456
05.9132.ES	161	05.9206.ERACB	630	05.9236.14	632	05.9241.40AC6	632	05.9314.ES	455	05.9373.40	456
05.9132.ES.1V	161	05.9206.ERADA	630	05.9236.14ACB	632	05.9241.40ACB	632	05.9314.TK	455	05.9374.14	456
05.9132.ES.CB	161	05.9206.ES	630	05.9236.14ADA	632	05.9241.40ADA	632	05.9315.14	455	05.9374.40	456
05.9132.ES.DA	161	05.9206.ESACB	630	05.9236.40	632	05.9241.40AYU	632	05.9315.40	455	05.9374.EQ	456
05.9135.14	160	05.9206.ESADA	630	05.9236.40.78	632	05.9241.EQ	632	05.9316.14	455	05.9374.ER	456
05.9135.14.1V	160	05.9207.14	631	05.9236.40AC6	632	05.9241.EQACB	632	05.9316.40	455	05.9374.ES	456
05.9135.14.CB	160	05.9207.14ACB	631	05.9236.40ACB	632	05.9241.EQADA	632	05.9316.EQ	455	05.9374.TK	456
05.9135.14.DA	160	05.9207.14ADA	631	05.9236.40ADA	632	05.9241.ER	632	05.9316.TK	455	05.9375.14	456
05.9135.40	160	05.9207.40	631	05.9236.40AYU	632	05.9241.ERACB	632	05.9317.14	455	05.9375.40	456
05.9135.40.1V	160	05.9207.40.78	631	05.9236.EQ	632	05.9241.ERADA	632	05.9317.40	455	05.9376.14	456
05.9135.40.CB	160	05.9207.40AC6	631	05.9236.EQACB	632	05.9241.ES	632	05.9317.ER	455	05.9376.40	456
05.9135.40.DA	160	05.9207.40ACB	631	05.9236.EQADA	632	05.9241.ESACB	632	05.9318.ES	455	05.9376.EQ	456
05.9135.EQ	160	05.9207.40ADA	631	05.9236.ER	632	05.9241.ESADA	632	05.9320.40	456	05.9376.TK	456
05.9135.EQ.1V	160	05.9207.40AYU	631	05.9236.ERACB	632	05.9242.14	633	05.9321.40	456	05.9377.14	456
05.9135.EQ.CB	160	05.9207.EQ	631	05.9236.ERADA	632	05.9242.14ACB	633	05.9322.40	456	05.9377.40	456
05.9135.EQ.DA	160	05.9207.EQACB	631	05.9236.ES	632	05.9242.14ADA	633	05.9323.40	456	05.9377.ER	456
05.9135.ER	160	05.9207.EQADA	631	05.9236.ESACB	632	05.9242.40	633	05.9324.14	456	05.9378.ES	456
05.9135.ER.1V	160	05.9207.ER	631	05.9236.ESADA	632	05.9242.40.78	633	05.9324.40	456	05.9380.40	457
05.9135.ER.CB	160	05.9207.ERACB	631	05.9237.14	633	05.9242.40AC6	633	05.9324.EQ	456	05.9381.40	457
05.9135.ER.DA	160	05.9207.ERADA	631	05.9237.14ACB	633	05.9242.40ACB	633	05.9324.ER	456	05.9382.40	457
05.9135.ES	160	05.9207.ES	631	05.9237.14ADA	633	05.9242.40ADA	633	05.9324.ES	456	05.9383.40	457
05.9135.ES.1V	160	05.9207.ESACB	631	05.9237.40	633	05.9242.40AYU	633	05.9324.TK	456	05.9384.14	457
05.9135.ES.CB	160	05.9207.ESADA	631	05.9237.40.78	633	05.9242.EQ	633	05.9325.14	456	05.9384.40	457
05.9135.ES.DA	160	05.9210.14	630	05.9237.40AC6	633	05.9242.EQACB	633	05.9325.40	456	05.9384.EQ	457
05.9136.14	160	05.9210.14ACB	630	05.9237.40ACB	633	05.9242.EQADA	633	05.9326.14	456	05.9384.ER	457
05.9136.14.1V	160	05.9210.14ADA	630	05.9237.40ADA	633	05.9242.ER	633	05.9326.40	456	05.9384.ES	457
05.9136.14.CB	160	05.9210.40	630	05.9237.40AYU	633	05.9242.ERACB	633	05.9326.EQ	456	05.9384.TK	457
05.9136.14.DA	160	05.9210.40.78	630	05.9237.EQ	633	05.9242.ERADA	633	05.9326.TK	456	05.9385.14	457
05.9136.40	160	05.9210.40AC6	630	05.9237.EQACB	633	05.9242.ES	633	05.9327.14	456	05.9385.40	457
05.9136.40.1V	160	05.9210.40ACB	630	05.9237.EQADA	633	05.9242.ESACB	633	05.9327.40	456	05.9386.14	457
05.9136.40.CB	160	05.9210.40ADA	630	05.9237.ER	633	05.9242.ESADA	633	05.9327.ER	456	05.9386.40	457
05.9136.40.DA	160	05.9210.40AYU	630	05.9237.ERACB	633	05.9243.14	633	05.9328.ES	456	05.9386.EQ	457
05.9136.EQ	160	05.9210.EQ	630	05.9237.ERADA	633	05.9243.14ACB	633	05.9330.40	457	05.9386.TK	457
05.9136.EQ.1V	160	05.9210.EQACB	630	05.9237.ES	633	05.9243.14ADA	633	05.9331.40	457	05.9387.14	457
05.9136.EQ.CB	160	05.9210.EQADA	630	05.9237.ESACB	633	05.9243.40	633	05.9332.40	457	05.9387.40	457
05.9136.EQ.DA	160	05.9210.ER	630	05.9237.ESADA	633	05.9243.40.78	633	05.9333.40	457	05.9387.ER	457
05.9136.ER	160	05.9210.ERACB	630	05.9238.14	633	05.9243.40AC6	633	05.9334.14	457	05.9388.ES	457
05.9136.ER.1V	160	05.9210.ERADA	630	05.9238.14ACB	633	05.9243.40ACB	633	05.9334.40	457	05.9400.40	454
05.9136.ER.CB	160	05.9210.ES	630	05.9238.14ADA	633	05.9243.40ADA	633	05.9334.EQ	457	05.9401.40	454
05.9136.ER.DA	160	05.9210.ESACB	630	05.9238.40	633	05.9243.40AYU	633	05.9334.ER	457	05.9402.40	454
05.9136.ES	160	05.9210.ESADA	630	05.9238.40.78	633	05.9243.EQ	633	05.9334.ES	457	05.9403.40	454
05.9136.ES.1V	160	05.9211.14	630	05.9238.40AC6	633	05.9243.EQACB	633	05.9334.TK	457	05.9404.14	454
05.9136.ES.CB	160	05.9211.14ACB	630	05.9238.40ACB	633	05.9243.EQADA	633	05.9335.14	457	05.9404.40	454
05.9136.ES.DA	160	05.9211.14ADA	630	05.9238.40ADA	633	05.9243.ER	633	05.9335.40	457	05.9404.EQ	454
05.9137.14	161	05.9211.40	630	05.9238.40AYU	633	05.9243.ERACB	633	05.9336.14	457	05.9404.ER	454
05.9137.14.1V	161	05.9211.40.78	630	05.9238.EQ	633	05.9243.ERADA	633	05.9336.40	457	05.9404.ES	454
05.9137.14.CB	161	05.9211.40AC6	630	05.9238.EQACB	633	05.9243.ES	633	05.9336.EQ	457	05.9404.TK	454
05.9137.14.DA	161	05.9211.40ACB	630	05.9238.EQADA	633	05.9243.ESACB	633	05.9336.TK	457	05.9405.14	454
05.9137.40	161	05.9211.40ADA	630	05.9238.ER	633	05.9243.ESADA	633	05.9337.14	457	05.9405.40	454
05.9137.40.1V	161	05.9211.40AYU	630	05.9238.ERACB	633	05.9244.14	633	05.9337.40	457	05.9406.14	454
05.9137.40.CB	161	05.9211.EQ	630	05.9238.ERADA	633	05.9244.14ACB	633	05.9337.ER	457	05.9406.40	454
05.9137.40.DA	161	05.9211.EQACB	630	05.9238.ES	633	05.9244.14ADA	633	05.9338.ES	457	05.9406.EQ	454
05.9137.EQ	161	05.9211.EQADA	630	05.9238.ESACB	633	05.9244.40	633	05.9350.40	454	05.9406.TK	454
05.9137.EQ.1V	161	05.9211.ER	630	05.9238.ESADA	633	05.9244.40.78	633	05.9351.40	454	05.9407.14	454
05.9137.EQ.CB	161	05.9211.ERACB	630	05.9239.14	633	05.9244.40AC6	633	05.9352.40	454	05.9407.40	454
05.9137.EQ.DA	161	05.9211.ERADA	630	05.9239.14ACB	633	05.9244.40ACB	633	05.9353.40	454	05.9407.ER	454
05.9137.ER	161	05.9211.ES	630	05.9239.14ADA	633	05.9244.40ADA	633	05.9354.14	454	05.9408.ES	454
05.9137.ER.1V	161	05.9211.ESACB	630	05.9239.40	633	05.9244.40AYU	633	05.9354.40	454	05.9410.40	455
05.9137.ER.CB	161	05.9211.ESADA	630	05.9239.40.78	633	05.9244.EQ	633	05.9354.EQ	454	05.9411.40	455
05.9137.ER.DA	161	05.9212.14	631	05.9239.40AC6	633	05.9244.EQACB	633	05.9354.ER	454	05.9412.40	455
05.9137.ES	161	05.9212.14ACB	631	05.9239.40ACB	633	05.9244.EQADA	633	05.9354.ES	454	05.9413.40	455
05.9137.ES.1V	161	05.9212.14ADA	631	05.9239.40ADA	633	05.9244.ER	633	05.9354.TK	454	05.9414.14	455

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
05.9414.40	455	05.9520.40	466	05.9566.TK	464	06.0394.00	23	06.1641.14	146	06.2546.14	109
05.9414.EQ	455	05.9521.40	466	05.9567.14	464	06.0395.00	23	06.1642.14	146	06.2546.18	109
05.9414.ER	455	05.9522.40	466	05.9567.40	464	06.0396.00	23	06.1643.14	146	06.2546.40	109
05.9414.ES	455	05.9523.40	466	05.9567.ER	464	06.0403.C5	25	06.1644.14	146	06.2546.CZ	109
05.9414.TK	455	05.9524.14	466	05.9568.ES	464	06.0404.C5	25	06.1645.14	146	06.2600.14	78
05.9415.14	455	05.9524.40	466	05.9570.40	465	06.0420.14	250	06.1646.14	146	06.2600.14	80
05.9415.40	455	05.9524.EQ	466	05.9571.40	465	06.0420.30	250	06.1647.14	146	06.2600.40	78
05.9416.14	455	05.9524.ER	466	05.9572.40	465	06.0436.14	343	06.1648.14	147	06.2600.40	80
05.9416.40	455	05.9524.ES	466	05.9573.40	465	06.0436.40	343	06.1650.14	147	06.2600.EQ	78
05.9416.EQ	455	05.9524.TK	466	05.9574.14	465	06.0436.AP	343	06.1651.14	147	06.2600.EQ	80
05.9416.TK	455	05.9525.14	466	05.9574.40	465	06.1005.00E	764	06.1656.14	151	06.2600.ER	78
05.9417.14	455	05.9525.40	466	05.9574.EQ	465	06.1012.00E	764	06.1656.40	151	06.2600.ER	80
05.9417.40	455	05.9526.14	466	05.9574.ER	465	06.1013.00E	764	06.1657.14	151	06.2600.ES	78
05.9417.ER	455	05.9526.40	466	05.9574.ES	465	06.1014.00E	764	06.1657.40	151	06.2600.ES	80
05.9418.ES	455	05.9526.EQ	466	05.9574.TK	465	06.1016.00	744	06.1740.14	151	06.2601.14	78
05.9420.40	456	05.9526.TK	466	05.9575.14	465	06.1016.00	764	06.1741.14	151	06.2601.14	80
05.9421.40	456	05.9527.14	466	05.9575.40	465	06.1019.00E	764	06.1742.14	151	06.2601.40	78
05.9422.40	456	05.9527.40	466	05.9576.14	465	06.1020.00E	764	06.1850.14	240	06.2601.40	80
05.9423.40	456	05.9527.ER	466	05.9576.40	465	06.1022.00E	744	06.1851.14	240	06.2601.EQ	78
05.9424.14	456	05.9528.ES	466	05.9576.EQ	465	06.1022.00E	764	06.1852.14	240	06.2601.EQ	80
05.9424.40	456	05.9530.40	464	05.9576.TK	465	06.1023.00	744	06.1853.14	240	06.2601.ER	78
05.9424.EQ	456	05.9531.40	464	05.9577.14	465	06.1024.00	745	06.1860.14	241	06.2601.ER	80
05.9424.ER	456	05.9532.40	464	05.9577.40	465	06.1032.00	519	06.1860.40	241	06.2601.ES	78
05.9424.ES	456	05.9533.40	464	05.9577.ER	465	06.1033.00	519	06.1861.14	241	06.2601.ES	80
05.9424.TK	456	05.9534.14	464	05.9578.ES	465	06.1034.00	519	06.1861.40	241	06.2602.14	78
05.9425.14	456	05.9534.40	464	05.9580.40	466	06.1049.00	764	06.1862.14	241	06.2602.14	80
05.9425.40	456	05.9534.EQ	464	05.9581.40	466	06.1600.14	148	06.1862.40	241	06.2602.40	78
05.9426.14	456	05.9534.ER	464	05.9582.40	466	06.1600.40	148	06.1863.14	241	06.2602.40	80
05.9426.40	456	05.9534.ES	464	05.9583.40	466	06.1601.14	148	06.1863.40	241	06.2603.14	78
05.9426.EQ	456	05.9534.TK	464	05.9584.14	466	06.1601.40	148	06.1974.00	724	06.2603.14	80
05.9426.TK	456	05.9535.14	464	05.9584.40	466	06.1602.14	148	06.1987.14	183	06.2603.40	78
05.9427.14	456	05.9535.40	464	05.9584.EQ	466	06.1602.40	148	06.1987.14	245	06.2603.40	80
05.9427.40	456	05.9536.14	464	05.9584.ER	466	06.1603.14	148	06.1987.40	183	06.2603.EQ	78
05.9427.ER	456	05.9536.40	464	05.9584.ES	466	06.1603.40	148	06.1987.40	245	06.2603.EQ	80
05.9428.ES	456	05.9536.EQ	464	05.9584.TK	466	06.1604.14	148	06.1988.14	49	06.2603.ER	78
05.9430.40	457	05.9536.TK	464	05.9585.14	466	06.1604.40	148	06.1988.14	70	06.2603.ER	80
05.9431.40	457	05.9537.14	464	05.9585.40	466	06.1605.14	148	06.1988.14	218	06.2603.ES	78
05.9432.40	457	05.9537.40	464	05.9586.14	466	06.1605.40	148	06.1988.40	49	06.2603.ES	80
05.9433.40	457	05.9537.ER	464	05.9586.40	466	06.1606.14	148	06.1988.40	70	06.2604.14	78
05.9434.14	457	05.9538.ES	464	05.9586.EQ	466	06.1606.40	148	06.1988.40	218	06.2604.14	80
05.9434.40	457	05.9540.40	465	05.9586.TK	466	06.1607.14	148	06.2500.06	108	06.2604.40	78
05.9434.EQ	457	05.9541.40	465	05.9587.14	466	06.1607.40	148	06.2500.14	108	06.2604.40	80
05.9434.ER	457	05.9542.40	465	05.9587.40	466	06.1608.14	148	06.2500.18	108	06.2604.EQ	78
05.9434.ES	457	05.9543.40	465	05.9587.ER	466	06.1608.40	148	06.2500.40	108	06.2604.EQ	80
05.9434.TK	457	05.9544.14	465	05.9588.ES	466	06.1609.14	148	06.2500.CZ	108	06.2604.ER	78
05.9435.14	457	05.9544.40	465	06.0157.00	195	06.1609.40	148	06.2501.06	108	06.2604.ER	80
05.9435.40	457	05.9544.EQ	465	06.0173.14	41	06.1610.14	149	06.2501.14	108	06.2604.ES	78
05.9436.14	457	05.9544.ER	465	06.0301.00	241	06.1610.40	149	06.2501.18	108	06.2604.ES	80
05.9436.40	457	05.9544.ES	465	06.0303.00	241	06.1612.14	149	06.2501.40	108	06.2605.14	78
05.9436.EQ	457	05.9544.TK	465	06.0330.C5	20	06.1612.40	149	06.2501.CZ	108	06.2605.14	80
05.9436.TK	457	05.9545.14	465	06.0331.C5	20	06.1614.14A	152	06.2502.06	108	06.2605.40	78
05.9437.14	457	05.9545.40	465	06.0332.C5	20	06.1614.40A	152	06.2502.14	108	06.2605.40	80
05.9437.40	457	05.9546.14	465	06.0335.00	20	06.1615.14A	152	06.2502.18	108	06.2606.14	79
05.9437.ER	457	05.9546.40	465	06.0336.00	20	06.1615.40A	152	06.2502.40	108	06.2606.40	79
05.9438.ES	457	05.9546.EQ	465	06.0337.00	21	06.1616.14A	152	06.2502.CZ	108	06.2606.EQ	79
05.9500.40	464	05.9546.TK	465	06.0338.00	21	06.1616.40A	152	06.2506.14	108	06.2606.ER	79
05.9501.40	464	05.9547.14	465	06.0339.00	22	06.1617.14A	152	06.2506.40	108	06.2606.ES	79
05.9502.40	464	05.9547.40	465	06.0340.00	22	06.1617.40A	152	06.2509.14	109	06.2607.14	79
05.9503.40	464	05.9547.ER	465	06.0341.00	23	06.1618.14A	152	06.2509.18	109	06.2607.40	79
05.9504.14	464	05.9548.ES	465	06.0342.00	23	06.1618.40A	152	06.2509.40	109	06.2607.EQ	79
05.9504.40	464	05.9550.40	466	06.0343.00	24	06.1619.14A	152	06.2509.CZ	109	06.2607.ER	79
05.9504.EQ	464	05.9551.40	466	06.0350.C5	24	06.1619.40A	152	06.2510.06A	116	06.2607.ES	79
05.9504.ER	464	05.9552.40	466	06.0351.C5	24	06.1620.14A	152	06.2510.14A	116	06.2608.14	79
05.9504.ES	464	05.9553.40	466	06.0352.C5	24	06.1620.40A	152	06.2510.18A	116	06.2608.40	79
05.9504.TK	464	05.9554.14	466	06.0353.C5	24	06.1621.14A	152	06.2510.40A	116	06.2609.14	79
05.9505.14	464	05.9554.40	466	06.0354.C5	25	06.1621.40A	152	06.2510.CZA	116	06.2609.40	79
05.9505.40	464	05.9554.EQ	466	06.0355.C5	25	06.1622.14A	152	06.2511.06A	116	06.2609.EQ	79
05.9506.14	464	05.9554.ER	466	06.0366.00	20	06.1622.40A	152	06.2511.14A	116	06.2609.ER	79
05.9506.40	464	05.9554.ES	466	06.0367.00	20	06.1623.14A	152	06.2511.18A	116	06.2609.ES	79
05.9506.EQ	464	05.9554.TK	466	06.0368.00	20	06.1623.40A	152	06.2511.40A	116	06.2610.14	79
05.9506.TK	464	05.9555.14	466	06.0369.00	20	06.1624.14	153	06.2511.CZA	116	06.2610.40	79
05.9507.14	464	05.9555.40	466	06.0370.00	20	06.1624.40	153	06.2540.14	108	06.2611.14	81
05.9507.40	464	05.9556.14	466	06.0371.00	20	06.1626.14	150	06.2540.18	108	06.2611.40	81
05.9507.ER	464	05.9556.40	466	06.0372.00	20	06.1626.40	150	06.2540.40	108	06.2611.EQ	81
05.9508.ES	464	05.9556.EQ	466	06.0373.00	21	06.1627.14	150	06.2540.CZ	108	06.2611.ER	81
05.9510.40	465	05.9556.TK	466	06.0374.00	21	06.1627.40	150	06.2541.14	108	06.2611.ES	81
05.9511.40	465	05.9557.14	466	06.0375.00	21	06.1628.14	150	06.2541.18	108	06.2612.14	81
05.9512.40	465	05.9557.40	466	06.0376.00	21	06.1628.40	150	06.2541.40	108	06.2612.40	81
05.9513.40	465	05.9557.ER	466	06.0377.00	21	06.1629.14	150	06.2541.CZ	108	06.2612.EQ	81
05.9514.14	465	05.9558.ES	466	06.0378.00	21	06.1629.40	150	06.2542.14	108	06.2612.ER	81
05.9514.40	465	05.9560.40	464	06.0379.00	21	06.1630.14	150	06.2542.18	108	06.2612.ES	81
05.9514.EQ	465	05.9561.40	464	06.0380.00	21	06.1630.40	150	06.2542.40	108	06.2613.14	79
05.9514.ER	465	05.9562.40	464	06.0381.00	22	06.1631.14	150	06.2542.CZ	108	06.2613.40	79
05.9514.ES	465	05.9563.40	464	06.0382.00	22	06.1631.40	150	06.2543.14	108	06.2613.EQ	79
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08.0925.40	342	08.8572.14D	514	08.8886.40.CB	151	09.0219.30C	264	09.3605.40	650	09.3830.18A	114
08.0925.40	342	08.8572.14D	514	08.8886.40.DA	151	09.0360.14	264	09.3605.40ACB	650	09.3830.40A	114
08.0925.AP	342	08.8572.14D	515	08.8887.14A	149	09.0360.30	264	09.3605.40.DA	650	09.3830.CZA	114
08.0925.AP	342	08.8572.14D1V	514	08.8887.14A	151	09.0361.14	264	09.3707.06C	648	09.3831.06A	114
08.0950.00	291	08.8572.14D1V	514	08.8887.14A	153	09.0361.30	264	09.3707.14C	648	09.3831.14A	114
08.0951.00	291	08.8572.14D1V	515	08.8887.40A	149	09.0362.14	264	09.3707.30C	648	09.3831.18A	114
08.0952.00	291	08.8572.14DDA	514	08.8887.40A	151	09.0362.30	264	09.3708.06C	648	09.3831.40A	114
08.0953.00	291	08.8572.14DDA	514	08.8887.40A	153	09.0365.14A	264	09.3708.14C	648	09.3831.CZA	114
08.0954.14	291	08.8572.14DDA	515	08.8889.14	151	09.0365.30A	264	09.3708.30C	648	09.3832.06A	114
08.0954.40	291	08.8573.14D	514	08.8889.14	195	09.0366.14A	264	09.3710.06C	649	09.3832.14A	114
08.0955.14	291	08.8573.14D	514	08.8889.40	151	09.0366.30A	264	09.3710.14C	649	09.3832.18A	114
08.0955.40	291	08.8573.14D	515	08.8889.40	195	09.0367.14A	264	09.3710.30C	649	09.3832.40A	114
08.0956.14	291	08.8573.14D1V	514	08.8974.00	589	09.0367.30A	264	09.3711.06C	649	09.3832.CZA	114
08.0956.14	291	08.8573.14D1V	514	08.8975.00	589	09.2110.05C	707	09.3711.14C	649	09.3833.06A	114
08.0956.40	291	08.8573.14D1V	515	08.8976.14	589	09.2110.05CDA	707	09.3711.30C	649	09.3833.14A	114
08.0956.40	291	08.8573.14DDA	514	08.8977.00	589	09.2110.14C	707	09.3750.06A	647	09.3833.18A	114
08.0958.00	271	08.8573.14DDA	514	08.8978.00	589	09.2110.14CDA	707	09.3750.14A	647	09.3833.40A	114
08.1042.00	24	08.8573.14DDA	515	08.8979.00	589	09.2110.40C	707	09.3750.30A	647	09.3833.CZA	114
08.3309.14	265	08.8590.06A	748	08.8980.14	589	09.2110.40CDA	707	09.3751.06A	647	09.3840.06A	115
08.3310.19	265	08.8590.40A	748	08.8994.14	596	09.2111.05C	707	09.3751.14A	647	09.3840.14A	115
08.8118.68	609	08.8590.AAA	748	08.8994.30	596	09.2111.05CDA	707	09.3751.30A	647	09.3840.18A	115
08.8119.00	608	08.8591.06A	748	08.8995.14	596	09.2111.14C	707	09.3755.06A	647	09.3840.40A	115
08.8137.00	608	08.8591.40A	748	08.8995.30	596	09.2111.14CDA	707	09.3755.14A	647	09.3840.CZA	115
08.8163.68	596	08.8591.AAA	748	08.9050.02	259	09.2111.40C	707	09.3755.30A	647	09.3841.06A	115
08.8163.68	666	08.8595.06A	748	08.9050.40	259	09.2111.40CDA	707	09.3756.06A	647	09.3841.14A	115
08.8175.68	596	08.8595.40A	748	08.9050.NS	259	09.2112.05C	707	09.3756.14A	647	09.3841.18A	115
08.8175.68	666	08.8595.AAA	748	08.9051.02	259	09.2112.05CDA	707	09.3756.30A	647	09.3841.40A	115
08.8242.14	609	08.8596.06A	748	08.9051.40	259	09.2112.14C	707	09.3780.06A	646	09.3841.CZA	115
08.8297.00	745	08.8596.40A	748	08.9051.NS	259	09.2112.14CDA	707	09.3780.14A	646	09.3842.06A	115
08.8297.00	764	08.8596.AAA	748	08.9052.02	259	09.2112.40C	707	09.3780.30A	646	09.3842.14A	115
08.8298.00	764	08.8627.68	265	08.9052.40	259	09.2112.40CDA	707	09.3781.06A	646	09.3842.18A	115
08.8359.00	608	08.8634.00	195	08.9052.NS	259	09.2125.05B	707	09.3781.14A	646	09.3842.40A	115
08.8377.14	609	08.8662.14D	514	08.9053.02	259	09.2125.05BDA	707	09.3781.30A	646	09.3842.CZA	115
08.8410.00	596	08.8662.14D	514	08.9053.40	259	09.2125.14B	707	09.3800.06A	110	09.3843.06A	115
08.8410.00	666	08.8662.14D	515	08.9053.NS	259	09.2125.14BDA	707	09.3800.14A	110	09.3843.14A	115
08.8411.00	596	08.8662.14D1V	514	08.9056.02	259	09.2125.40B	707	09.3800.18A	110	09.3843.18A	115
08.8411.00	666	08.8662.14D1V	514	08.9056.40	259	09.2125.40BDA	707	09.3800.40A	110	09.3843.40A	115
08.8418.68A	165	08.8662.14D1V	515	08.9056.NS	259	09.2126.05B	707	09.3800.CZA	110	09.3843.CZA	115
08.8418.68A	207	08.8662.14DDA	514	08.9057.02	259	09.2126.05BDA	707	09.3801.06A	110	09.3850.06	115
08.8419.14A	165	08.8662.14DDA	514	08.9057.40	259	09.2126.14B	707	09.3801.14A	110	09.3850.14	115
08.8419.14A	207	08.8662.14DDA	515	08.9057.NS	259	09.2126.14BDA	707	09.3801.18A	110	09.3850.18	115
08.8420.00	552	08.8663.14D	514	08.9070.14	240	09.2126.40B	707	09.3801.40A	110	09.3850.40	115
08.8422.00	711	08.8663.14D	514	08.9071.14	241	09.2126.40BDA	707	09.3801.CZA	110	09.3850.CZ	115
08.8423.00	713	08.8663.14D	515	08.9071.40	241	09.2127.05B	707	09.3802.06A	110	09.3851.06	115
08.8427.14	162	08.8663.14D1V	514	08.9074.14	241	09.2127.05BDA	707	09.3802.14A	110	09.3851.14	115
08.8428.00	65	08.8663.14D1V	514	08.9102.00	552	09.2127.14B	707	09.3802.18A	110	09.3851.18	115
08.8428.00	205	08.8663.14D1V	515	08.9102.00	619	09.2127.14BDA	707	09.3802.40A	110	09.3851.40	115
08.8428.00	234	08.8663.14DDA	514	08.9103.00	552	09.2127.40B	707	09.3802.CZA	110	09.3851.CZ	115
08.8428.00	244	08.8663.14DDA	514	08.9103.00	619	09.2127.40BDA	707	09.3803.06A	110	09.3860.06A	112
08.8428.00	596	08.8663.14DDA	515	08.9104.00	552	09.3200.29A	711	09.3803.14A	110	09.3860.14A	112
08.8428.00	622	08.8701.14	263	08.9105.00	619	09.3200.30A	711	09.3803.18A	110	09.3860.18A	112
08.8428.00	666	08.8701.30	263	08.9107.00	234	09.3200.55A	711	09.3803.40A	110	09.3860.40A	112
08.8428.00	685	08.8702.14	263	08.9107.00	666	09.3200.ANA	711	09.3803.CZA	110	09.3860.CZA	112
08.8429.00	65	08.8702.30	263	08.9107.00	685	09.3200.BZA	711	09.3810.06A	111	09.3861.06A	112
08.8429.00	205	08.8705.14	262	08.9108.00	234	09.3201.29A	711	09.3810.14A	111	09.3861.14A	112
08.8429.00	234	08.8705.30	262	08.9108.00	666	09.3201.30A	711	09.3810.18A	111	09.3861.18A	112
08.8429.00	244	08.8706.14	262	08.9108.00	685	09.3201.55A	711	09.3810.40A	111	09.3861.40A	112
08.8429.00	596	08.8706.30	262	08.9109.00	234	09.3201.ANA	711	09.3810.CZA	111	09.3861.CZA	112
08.8429.00	622	08.8707.14	262	08.9109.00	666	09.3201.BZA	711	09.3811.06A	111	09.3862.06A	112
08.8429.00	666	08.8707.30	262	08.9109.00	685	09.3310.01C	713	09.3811.14A	111	09.3862.14A	112
08.8429.00	685	08.8708.14	262	08.9110.00	234	09.3310.04C	713	09.3811.18A	111	09.3862.18A	112
08.8431.00	65	08.8708.30	262	08.9110.00	666	09.3310.72C	713	09.3811.40A	111	09.3862.40A	112
08.8431.00	205	08.8709.14	263	08.9110.00	685	09.3600.14A	650	09.3811.CZA	111	09.3862.CZA	112
08.8431.00	234	08.8709.30	263	08.9111.00	234	09.3600.14ACB	650	09.3812.06A	111	09.3863.06A	112
08.8431.00	244	08.8710.14	263	08.9111.00	666	09.3600.14.DA	650	09.3812.14A	111	09.3863.14A	112
08.8431.00	596	08.8710.30	263	08.9111.00	685	09.3600.40	650	09.3812.18A	111	09.3863.18A	112
08.8431.00	622	08.8711.00	263	08.9111.40	666	09.3600.40ACB	650	09.3812.40A	111	09.3863.40A	112
08.8431.00	666	08.8720.14	262	08.9111.BW	666	09.3600.40.DA	650	09.3812.CZA	111	09.3863.CZA	112
08.8431.00	685	08.8720.30	262	08.9114.00	552	09.3601.14A	650	09.3813.06A	111	09.3864.06A	112
08.8432.00	65	08.8721.14	262	09.0045.29B	709	09.3601.14ACB	650	09.3813.14A	111	09.3864.14A	112

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09.3864.40A	112	09.3941.40A	115	09.4461.30ADA	655	09.4522.14A	593	09.4872.30BDA	656	09.4951.14A	662
09.3864.CZA	112	09.3941.CZA	115	09.4462.14A	655	09.4522.14ADA	593	09.4880.14A	661	09.4951.30A	662
09.3865.06A	112	09.3942.06A	115	09.4462.14ADA	655	09.4522.30A	593	09.4880.30A	661	09.4953.14A	662
09.3865.14A	112	09.3942.14A	115	09.4462.30A	655	09.4522.30ADA	593	09.4881.14A	661	09.4953.14BDA	662
09.3865.18A	112	09.3942.18A	115	09.4462.30ADA	655	09.4523.14A	593	09.4881.30A	661	09.4953.30A	662
09.3865.40A	112	09.3942.40A	115	09.4463.14A	655	09.4523.14ADA	593	09.4882.14A	661	09.4953.30BDA	662
09.3865.CZA	112	09.3942.CZA	115	09.4463.14ADA	655	09.4523.30A	593	09.4882.30A	661	09.4954.14A	662
09.3900.06A	110	09.3943.06A	115	09.4463.30A	655	09.4523.30ADA	593	09.4883.14A	661	09.4954.30A	662
09.3900.14A	110	09.3943.14A	115	09.4463.30ADA	655	09.4524.14A	593	09.4883.30A	661	09.4956.14A	662
09.3900.18A	110	09.3943.18A	115	09.4464.14A	655	09.4524.14ADA	593	09.4884.14A	661	09.4956.14BDA	662
09.3900.40A	110	09.3943.40A	115	09.4464.14ADA	655	09.4524.30A	593	09.4884.30A	661	09.4956.30A	662
09.3900.CZA	110	09.3943.CZA	115	09.4464.30A	655	09.4524.30ADA	593	09.4885.14A	661	09.4956.30BDA	662
09.3901.06A	110	09.3950.06	115	09.4464.30ADA	655	09.4525.14A	593	09.4885.30A	661	09.4957.14A	662
09.3901.14A	110	09.3950.14	115	09.4465.14A	655	09.4525.14ADA	593	09.4886.14A	661	09.4957.30A	662
09.3901.18A	110	09.3950.18	115	09.4465.14ADA	655	09.4525.30A	593	09.4886.30A	661	09.4980.14	662
09.3901.40A	110	09.3950.40	115	09.4465.30A	655	09.4525.30ADA	593	09.4887.14A	661	09.4980.14ADA	662
09.3901.CZA	110	09.3950.CZ	115	09.4465.30ADA	655	09.4526.14A	593	09.4887.30A	661	09.4980.30	662
09.3902.06A	110	09.3951.06	115	09.4470.14A	655	09.4526.14ADA	593	09.4888.14A	661	09.4980.30ADA	662
09.3902.14A	110	09.3951.14	115	09.4470.14ADA	655	09.4526.30A	593	09.4888.30A	661	09.4981.14	662
09.3902.18A	110	09.3951.18	115	09.4470.30A	655	09.4526.30ADA	593	09.4910.14A	594	09.4981.14ADA	662
09.3902.40A	110	09.3951.40	115	09.4470.30ADA	655	09.4527.14A	593	09.4910.14BDA	594	09.4981.30	662
09.3902.CZA	110	09.3951.CZ	115	09.4471.14A	655	09.4527.14ADA	593	09.4910.30A	594	09.4981.30ADA	662
09.3903.06A	110	09.3960.06A	112	09.4471.14ADA	655	09.4527.30A	593	09.4910.30BDA	594	09.4982.14	662
09.3903.14A	110	09.3960.14A	112	09.4471.30A	655	09.4527.30ADA	593	09.4911.14A	594	09.4982.14ADA	662
09.3903.18A	110	09.3960.18A	112	09.4471.30ADA	655	09.4840.14A	661	09.4911.14BDA	594	09.4982.30	662
09.3903.40A	110	09.3960.40A	112	09.4472.14A	655	09.4840.14BDA	661	09.4911.30A	594	09.4982.30ADA	662
09.3903.CZA	110	09.3960.CZA	112	09.4472.14ADA	655	09.4840.30A	661	09.4911.30BDA	594	09.4983.14	662
09.3910.06A	111	09.3961.06A	112	09.4472.30A	655	09.4840.30BDA	661	09.4912.14A	594	09.4983.30	662
09.3910.14A	111	09.3961.14A	112	09.4472.30ADA	655	09.4841.14A	661	09.4912.14BDA	594	09.4984.14	662
09.3910.18A	111	09.3961.18A	112	09.4480.14A	660	09.4841.14BDA	661	09.4912.30A	594	09.4984.30	662
09.3910.40A	111	09.3961.40A	112	09.4480.30A	660	09.4841.30A	661	09.4912.30BDA	594	09.4985.14	662
09.3910.CZA	111	09.3961.CZA	112	09.4481.14A	660	09.4841.30BDA	661	09.4913.14A	594	09.4985.30	662
09.3911.06A	111	09.3962.06A	112	09.4481.30A	660	09.4842.14A	661	09.4913.14BDA	594	09.7210.14C	227
09.3911.14A	111	09.3962.14A	112	09.4482.14A	660	09.4842.14BDA	661	09.4913.30A	594	09.7210.40C	227
09.3911.18A	111	09.3962.18A	112	09.4482.30A	660	09.4842.30A	661	09.4913.30BDA	594	09.7210.40C78	227
09.3911.40A	111	09.3962.40A	112	09.4483.14A	660	09.4842.30BDA	661	09.4914.14A	594	09.7211.14C	227
09.3911.CZA	111	09.3962.CZA	112	09.4483.30A	660	09.4843.14A	661	09.4914.14BDA	594	09.7211.40C	227
09.3912.06A	111	09.3963.06A	112	09.4484.14A	660	09.4843.14BDA	661	09.4914.30A	594	09.7211.40C78	227
09.3912.14A	111	09.3963.14A	112	09.4484.30A	660	09.4843.30A	661	09.4914.30BDA	594	09.7212.14C	227
09.3912.18A	111	09.3963.18A	112	09.4485.14A	660	09.4843.30BDA	661	09.4915.14A	594	09.7212.40C	227
09.3912.40A	111	09.3963.40A	112	09.4485.30A	660	09.4844.14A	661	09.4915.14BDA	594	09.7212.40C78	227
09.3912.CZA	111	09.3963.CZA	112	09.4486.14A	660	09.4844.14BDA	661	09.4915.30A	594	09.7213.14C	227
09.3913.06A	111	09.3964.06A	112	09.4486.30A	660	09.4844.30A	661	09.4915.30BDA	594	09.7213.40C	227
09.3913.14A	111	09.3964.14A	112	09.4487.14A	660	09.4844.30BDA	661	09.4916.14A	594	09.7213.40C78	227
09.3913.18A	111	09.3964.18A	112	09.4487.30A	660	09.4845.14A	661	09.4916.14BDA	594	09.7214.14C	227
09.3913.40A	111	09.3964.40A	112	09.4488.14A	660	09.4845.14BDA	661	09.4916.30A	594	09.7214.40C	227
09.3913.CZA	111	09.3964.CZA	112	09.4488.30A	660	09.4845.30A	661	09.4916.30BDA	594	09.7214.40C78	227
09.3920.06A	113	09.3965.06A	112	09.4510.14A	592	09.4845.30BDA	661	09.4917.14A	594	09.7215.14C	227
09.3920.14A	113	09.3965.14A	112	09.4510.14ADA	592	09.4850.14A	661	09.4917.14BDA	594	09.7215.40C	227
09.3920.18A	113	09.3965.18A	112	09.4510.30A	592	09.4850.14BDA	661	09.4917.30A	594	09.7215.40C78	227
09.3920.40A	113	09.3965.40A	112	09.4510.30ADA	592	09.4850.30A	661	09.4917.30BDA	594	09.7216.14C	227
09.3920.CZA	113	09.3965.CZA	112	09.4511.14A	592	09.4850.30BDA	661	09.4918.14A	594	09.7216.40C	227
09.3921.06A	113	09.4440.14A	660	09.4511.14ADA	592	09.4851.14A	661	09.4918.14BDA	594	09.7216.40C78	227
09.3921.14A	113	09.4440.14BDA	660	09.4511.30A	592	09.4851.14BDA	661	09.4918.30A	594	09.7217.14C	227
09.3921.18A	113	09.4440.30A	660	09.4511.30ADA	592	09.4851.30A	661	09.4918.30BDA	594	09.7217.40C	227
09.3921.40A	113	09.4440.30BDA	660	09.4512.14A	592	09.4851.30BDA	661	09.4919.14A	595	09.7217.40C78	227
09.3921.CZA	113	09.4441.14A	660	09.4512.14ADA	592	09.4852.14A	661	09.4919.14BDA	595	09.7218.14C	227
09.3922.06A	113	09.4441.14BDA	660	09.4512.30A	592	09.4852.14BDA	661	09.4919.30A	595	09.7218.40C	227
09.3922.14A	113	09.4441.30A	660	09.4512.30ADA	592	09.4852.30A	661	09.4919.30BDA	595	09.7218.40C78	227
09.3922.18A	113	09.4441.30BDA	660	09.4513.14A	592	09.4852.30BDA	661	09.4920.14A	595	09.7270.14B	663
09.3922.40A	113	09.4442.14A	660	09.4513.14ADA	592	09.4860.14A	656	09.4920.14BDA	595	09.7270.40B	663
09.3922.CZA	113	09.4442.14BDA	660	09.4513.30A	592	09.4860.14BDA	656	09.4920.30A	595	09.7270.40B78	663
09.3923.06A	113	09.4442.30A	660	09.4513.30ADA	592	09.4860.30A	656	09.4920.30BDA	595	09.7271.14B	663
09.3923.14A	113	09.4442.30BDA	660	09.4514.14A	592	09.4860.30BDA	656	09.4921.14A	595	09.7271.40B	663
09.3923.18A	113	09.4443.14A	660	09.4514.14ADA	592	09.4861.14A	656	09.4921.14BDA	595	09.7271.40B78	663
09.3923.40A	113	09.4443.14BDA	660	09.4514.30A	592	09.4861.14BDA	656	09.4921.30A	595	09.7272.14B	663
09.3923.CZA	113	09.4443.30A	660	09.4514.30ADA	592	09.4861.30A	656	09.4921.30BDA	595	09.7272.40B	663
09.3930.06A	114	09.4443.30BDA	660	09.4515.14A	592	09.4861.30BDA	656	09.4922.14A	595	09.7272.40B78	663
09.3930.14A	114	09.4444.14A	660	09.4515.14ADA	592	09.4862.14A	656	09.4922.14BDA	595	09.7273.14B	663
09.3930.18A	114	09.4444.14BDA	660	09.4515.30A	592	09.4862.14BDA	656	09.4922.30A	595	09.7273.40B	663
09.3930.40A	114	09.4444.30A	660	09.4515.30ADA	592	09.4862.30A	656	09.4922.30BDA	595	09.7273.40B78	663
09.3930.CZA	114	09.4444.30BDA	660	09.4516.14A	592	09.4862.30BDA	656	09.4923.14A	595	09.7274.14B	663
09.3931.06A	114	09.4445.14A	660	09.4516.14ADA	592	09.4863.14A	656	09.4923.14BDA	595	09.7274.40B	663
09.3931.14A	114	09.4445.14BDA	660	09.4516.30A	592	09.4863.14BDA	656	09.4923.30A	595	09.7274.40B78	663
09.3931.18A	114	09.4445.30A	660	09.4516.30ADA	592	09.4863.30A	656	09.4923.30BDA	595	09.7275.14B	663
09.3931.40A	114	09.4445.30BDA	660	09.4517.14A	592	09.4863.30BDA	656	09.4924.14A	595	09.7275.40B	663
09.3931.CZA	114	09.4450.14A	660	09.4517.14ADA	592	09.4864.14A	656	09.4924.14BDA	595	09.7275.40B78	663
09.3932.06A	114	09.4450.14BDA	660	09.4517.30A	592	09.4864.14BDA	656	09.4924.30A	595	09.7276.14B	663
09.3932.14A	114	09.4450.30A	660	09.4517.30ADA	592	09.4864.30A	656	09.4924.30BDA	595	09.7276.40B	663
09.3932.18A	114	09.4450.30BDA	660	09.4518.14A	592	09.4864.30BDA	656	09.4925.14A	595	09.7276.40B78	663
09.3932.40A	114	09.4451.14A	660	09.4518.14ADA	592	09.4865.14A	656	09.4925.14BDA	595	09.7277.14B	663
09.3932.CZA	114	09.4451.14BDA	660	09.4518.30A	592	09.4865.14BDA	656	09.4925.30A	595	09.7277.40B	663
09.3933.06A	114	09.4451.30A	660	09.4518.30ADA	592	09.4865.30A	656	09.4925.30BDA	595	09.7277.40B78	663
09.3933.14A	114	09.4451.30BDA	660	09.4519.14A	593	09.4865.30BDA	656	09.4926.14A	595	09.7278.14B	663
09.3933.18A	114	09.4452.14A	660	09.4519.14ADA	593	09.4870.14A	656	09.4926.14BDA	595	09.7278.40B	663
09.3933.40A	114	09.4452.14BDA	660	09.4519.30A	593	09.4870.14BDA	656	09.4926.30A	595	09.7278.40B78	663
09.3933.CZA	114	09.4452.30A	660	09.4519.30ADA	593	09.4870.30A	656	09.4926.30BDA	595	09.7290.14B	683
09.3940.06A	115	09.4452.30BDA	660	09.4520.14A	593	09.4870.30BDA	656	09.4927.14A	595	09.7290.40B	683
09.3940.14A	115	09.4460.14A	655	09.4520.14ADA	593	09.4871.14A	656	09.4927.14BDA	595	09.7291.14B	683
09.3940.18A	115	09.4460.14ADA	655	09.4520.30A	593	09.4871.14BDA	656	09.4927.30A	595	09.7291.40B	683
09.3940.40A	115	09.4460.30A	655	09.4520.30ADA	593	09.4871.30A	656	09.4927.30BDA	595	09.7292.14B	683
09.3940.CZA	115	09.4460.30ADA	655	09.4521.14A	593	09.4871.30BDA	656	09.4950.14A	662	09.7292.40B	683
09.3941.06A	115	09.4461.14A	655	09.4521.14ADA	593	09.4872.14A	656	09.4950.14BDA	662	09.7293.14B	683
09.3941.14A	115	09.4461.14ADA	655	09.4521.30A	593	09.4872.14BDA	656	09.4950.30A	662	09.7293.40B	683

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09.7294.40B	683	09.7501.40A78	229	09.7754.30ADA	658	09.8116.DR.PC	638	09.8218.DR.DA	642	09.8401.DY	270
09.7295.14B	683	09.7504.14	665	09.7754.30AYU	658	09.8116.WA	638	09.8218.DR.PC	641	09.8401.GX	270
09.7295.40B	683	09.7504.14.DA	665	09.7755.14ADA	658	09.8116.WAACB	640	09.8218.WA	641	09.8401.MR	270
09.7296.14B	683	09.7504.40	665	09.7755.14B	658	09.8116.WA.DA	639	09.8218.WAACB	643	09.8401.SB	270
09.7296.40B	683	09.7504.40.78	665	09.7755.30A	658	09.8116.WA.PC	638	09.8218.WA.DA	642	09.8401.VL	270
09.7297.14B	683	09.7504.40.DA	665	09.7755.30A78	658	09.8117.DR	638	09.8218.WA.PC	641	09.8405.05	270
09.7297.40B	683	09.7504.40.YU	665	09.7755.30ADA	658	09.8117.DRACB	640	09.8219.DR	641	09.8405.DR	270
09.7298.14B	683	09.7505.14	665	09.7755.30AYU	658	09.8117.DR.DA	639	09.8219.DRACB	643	09.8405.DY	270
09.7298.40B	683	09.7505.14.DA	665	09.7756.14ADA	658	09.8117.DR.PC	638	09.8219.DR.DA	642	09.8405.GX	270
09.7300.14B	228	09.7505.40	665	09.7756.14B	658	09.8117.WA	638	09.8219.DR.PC	641	09.8405.MR	270
09.7300.40B	228	09.7505.40.78	665	09.7756.30A	658	09.8117.WAACB	640	09.8219.WA	641	09.8405.SB	270
09.7300.40B78	228	09.7505.40.DA	665	09.7756.30A78	658	09.8117.WA.DA	639	09.8219.WAACB	643	09.8405.VL	270
09.7301.14B	228	09.7505.40.YU	665	09.7756.30ADA	658	09.8117.WA.PC	638	09.8219.WA.DA	642	09.8406.05	270
09.7301.40B	228	09.7700.14A	657	09.7756.30AYU	658	09.8118.DR	638	09.8219.WA.PC	641	09.8406.DR	270
09.7301.40B78	228	09.7700.14ADA	657	09.7757.14ADA	658	09.8118.DRACB	640	09.8220.AH	295	09.8406.DY	270
09.7302.14B	228	09.7700.30A	657	09.7757.14B	658	09.8118.DR.DA	639	09.8220.DR	295	09.8406.GX	270
09.7302.40B	228	09.7700.30A78	657	09.7757.30A	658	09.8118.DR.PC	638	09.8220.DV	295	09.8406.MR	270
09.7302.40B78	228	09.7700.30ADA	657	09.7757.30A78	658	09.8118.WA	638	09.8220.DW	295	09.8406.SB	270
09.7303.14B	228	09.7700.30AYU	657	09.7757.30ADA	658	09.8118.WAACB	640	09.8220.DX	295	09.8406.VL	270
09.7303.40B	228	09.7701.14A	657	09.7757.30AYU	658	09.8118.WA.DA	639	09.8220.DY	295	09.9070.14A	243
09.7303.40B78	228	09.7701.14ADA	657	09.7758.14ADA	658	09.8118.WA.PC	638	09.8221.AH	295	09.9070.BWA	243
09.7304.14B	228	09.7701.30A	657	09.7758.14B	658	09.8119.DR	638	09.8221.DR	295	09.9071.14A	243
09.7304.40B	228	09.7701.30A78	657	09.7758.30A	658	09.8119.DRACB	640	09.8221.DV	295	09.9071.BWA	243
09.7304.40B78	228	09.7701.30ADA	657	09.7758.30A78	658	09.8119.DR.DA	639	09.8221.DW	295	09.9072.14A	243
09.7305.14B	228	09.7701.30AYU	657	09.7758.30ADA	658	09.8119.DR.PC	638	09.8221.DX	295	09.9072.BWA	243
09.7305.40B	228	09.7702.14A	657	09.7758.30AYU	658	09.8119.WA	638	09.8221.DY	295	09.9075.14A	243
09.7305.40B78	228	09.7702.14ADA	657	09.7770.14ADA	659	09.8119.WAACB	640	09.8222.AH	295	09.9075.BWA	243
09.7306.14B	228	09.7702.30A	657	09.7770.14B	659	09.8119.WA.DA	639	09.8222.DR	295	09.9076.14A	243
09.7306.40B	228	09.7702.30A78	657	09.7770.30A	659	09.8119.WA.PC	638	09.8222.DV	295	09.9076.BWA	243
09.7306.40B78	228	09.7702.30ADA	657	09.7770.30A78	659	09.8210.DR	641	09.8222.DW	295	09.9077.14A	243
09.7307.14B	228	09.7702.30AYU	657	09.7770.30ADA	659	09.8210.DRACB	643	09.8222.DX	295	09.9077.BWA	243
09.7307.40B	228	09.7703.14A	657	09.7770.30AYU	659	09.8210.DR.DA	642	09.8222.DY	295	09.9083.14A	244
09.7307.40B78	228	09.7703.14ADA	657	09.7771.14ADA	659	09.8210.DR.PC	641	09.8230.AH	295	09.9083.BWA	244
09.7308.14B	228	09.7703.30A	657	09.7771.14B	659	09.8210.WA	641	09.8230.DR	295	09.9084.14A	244
09.7308.40B	228	09.7703.30A78	657	09.7771.30A	659	09.8210.WAACB	643	09.8230.DV	295	09.9084.BWA	244
09.7308.40B78	228	09.7703.30ADA	657	09.7771.30A78	659	09.8210.WA.DA	642	09.8230.DW	295	09.9085.14A	244
09.7310.14A	664	09.7703.30AYU	657	09.7771.30ADA	659	09.8210.WA.PC	641	09.8230.DX	295	09.9085.BWA	244
09.7310.40A	664	09.7704.14A	657	09.7771.30AYU	659	09.8211.DR	641	09.8230.DY	295	09.9086.14A	244
09.7310.40A78	664	09.7704.14ADA	657	09.7772.14ADA	659	09.8211.DRACB	643	09.8231.AH	295	09.9086.BWA	244
09.7311.14A	664	09.7704.30A	657	09.7772.14B	659	09.8211.DR.DA	642	09.8231.DR	295	09.9087.14A	244
09.7311.40A	664	09.7704.30A78	657	09.7772.30A	659	09.8211.DR.PC	641	09.8231.DV	295	09.9087.BWA	244
09.7311.40A78	664	09.7704.30ADA	657	09.7772.30A78	659	09.8211.WA	641	09.8231.DW	295	09.9088.14A	244
09.7312.14A	664	09.7704.30AYU	657	09.7772.30ADA	659	09.8211.WAACB	643	09.8231.DX	295	09.9088.BWA	244
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09.7313.40A	664	09.7705.30A78	657	09.8110.DR.DA	639	09.8212.DRACB	643	09.8232.DV	295	60.3014.11	715
09.7313.40A78	664	09.7705.30ADA	657	09.8110.DR.PC	638	09.8212.DR.DA	642	09.8232.DW	295	60.3014.14	195
09.7314.14A	664	09.7705.30AYU	657	09.8110.WA	638	09.8212.DR.PC	641	09.8232.DX	295	60.3014.14	715
09.7314.40A	664	09.7706.14A	657	09.8110.WAACB	640	09.8212.WA	641	09.8232.DY	295	60.3016.11	716
09.7314.40A78	664	09.7706.14ADA	657	09.8110.WA.DA	639	09.8212.WAACB	643	09.8300.AH	293	60.3016.12	716
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09.7315.40A78	664	09.7706.30ADA	657	09.8111.DRACB	640	09.8213.DR	641	09.8300.DW	293	60.3018.14	715
09.7316.14A	664	09.7706.30AYU	657	09.8111.DR.DA	639	09.8213.DRACB	643	09.8300.DX	293	60.3022.11	716
09.7316.40A	664	09.7707.14A	657	09.8111.DR.PC	638	09.8213.DR.DA	642	09.8300.DY	293	60.3022.14	716
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09.7317.14A	664	09.7707.30A	657	09.8111.WAACB	640	09.8213.WA	641	09.8301.DR	293	60.3023.14	716
09.7317.40A	664	09.7707.30A78	657	09.8111.WA.DA	639	09.8213.WAACB	643	09.8301.DV	293	60.3023.29	716
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09.7318.14A	664	09.7707.30AYU	657	09.8112.DR	638	09.8213.WA.PC	641	09.8301.DX	293	60.3025.14	715
09.7318.40A	664	09.7708.14A	657	09.8112.DRACB	640	09.8214.DR	641	09.8301.DY	293	60.3025.29	715
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09.7320.40A	684	09.7708.30A78	657	09.8112.WA	638	09.8214.DR.PC	641	09.8302.DV	293	60.3028.14	716
09.7321.14A	684	09.7708.30ADA	657	09.8112.WAACB	640	09.8214.WA	641	09.8302.DW	293	60.3028.14ADA	716
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09.7322.40A	684	09.7750.14B	658	09.8113.DR	638	09.8214.WA.PC	641	09.8310.AH	293	60.3029.11	716
09.7323.14A	684	09.7750.30A	658	09.8113.DRACB	640	09.8215.DR	641	09.8310.DR	293	60.3029.11ADA	716
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09.7324.40A	684	09.7750.30AYU	658	09.8113.WA	638	09.8215.DR.PC	641	09.8310.DX	293	60.3029.29	716
09.7325.14A	684	09.7751.14ADA	658	09.8113.WAACB	640	09.8215.WA	641	09.8310.DY	293	60.3029.29ADA	716
09.7325.40A	684	09.7751.14B	658	09.8113.WA.DA	639	09.8215.WAACB	643	09.8311.AH	293	60.3036.11	716
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09.7326.40A	684	09.7751.30A78	658	09.8114.DR	638	09.8215.WA.PC	641	09.8311.DV	293	60.3036.14	716
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09.7375.40.78	665	09.7753.30ADA	658	09.8115.WAACB	640	09.8217.WA	641	09.8400.GX	270	60.3038.12ADA	715
09.7500.14A	229	09.7753.30AYU	658	09.8115.WA.DA	639	09.8217.WAACB	643	09.8400.MR	270	60.3038.14	715
09.7500.40A	229	09.7754.14ADA	658	09.8115.WA.PC	638	09.8217.WA.DA	642	09.8400.SB	270	60.3038.14ADA	715
09.7500.40A78	229	09.7754.14B	658	09.8116.DR	638	09.8217.WA.PC	641	09.8400.VL	270	60.3039.11	715
09.7501.14A	229	09.7754.30A	658	09.8116.DRACB	640	09.8218.DR	641	09.8401.05	270	60.3039.11ADA	715

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info.norge@flos.com

SWEDEN
FLOS Sweden
Lützengatan 1
11520 Stockholm
Sweden
Tel +4686604405
info.se@flos.com

DENMARK
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
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Denmark
Tel +4533886000
info.dk@flos.com

AMSTERDAM
Cruquiusweg 109S
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The Netherlands
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FRANCE
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AUSTRIA - GERMANY
SWITZERLAND
Flos GmbH
Obermünsterstraße 18
93047 Regensburg,
Germany
Tel +49 941 630837 00
Fax +49 941 630837 60
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UNITED KINGDOM
Atrium Ltd.
28 Leonard Street
EC2A 4BY London
Tel +44 (0) 20 7681 9933
Fax +44 (0) 20 7681 9943
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ASIA PACIFIC
Flos Representative Office
Antares Iluminacion Pte Ltd
50 Raffles Place, #30-00
Singapore Land Tower
Singapore 048623
+6590056328
+6591267780

CHINA
Flos Illumination
(Shanghai) Co. Ltd.
Unit 101, Floor 1, Building B9
No. 800 of Chang De road
Jing An District, Shanghai,
200040, China
Tel +86 021 62176187
floschina@flos.com
(South China)
Tel +86 1392 9975 703
alan.wong@flos.com

LATIN AMERICA
Flos LatAm
M +52 55 6960 1772
flos.latinoamerica@flos.com

INDIA
Flos Representative Office
1, Commonwealth Lane
#08-12, 149544 Singapore
Tel +91 9999306667
Fax +65 (0) 6372 7607
flosindia@flos.com

U.S.A.
Flos USA Inc.
40-20 22nd Street - 3rd Floor
Long Island City, NY 11101
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info@flosusa.com

MIDDLE EAST
Antares Iluminacion S.A.
Dubai Design District
Building 1B, Office 303
P.O.Box number 333025
Dubai, United Arab Emirates
Tel: +971 4 566 0123
Mob: +971 543567356

HONG KONG
M +852 9307 3713
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SHOWROOMS

STOCKHOLM
FLOS Sweden
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11520 Stockholm
Sweden
Tel +4686604405
info.se@flos.com

COPENHAGEN
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
1434 Copenhagen K
Denmark
Tel +4533886000
info.dk@flos.com

AMSTERDAM
Cruquiusweg 109S
1019 AG Amsterdam
The Netherlands
Tel +31 (0) 20 560 50 60
showroom.amsterdam@flos.com

OSLO
Drammensveien 120
0277 Oslo - Norway
Tel +47 (0) 2212 86 00
Fax +47 (0) 2212 86 08
info.norge@flos.com

MILANO
Corso Monforte, 15
20122 Milano
Tel +39 02 79 84 57
Fax +39 02 89 78 56 41
showroom.milan@flos.com

PARIS
20-22, Passage Dauphine
75006 Paris
Tel +33 (0) 1 40 64 17 44
flos.france@flos.com

TOKYO
PMC Building 8F
1-23-5 Higashiazabu
Minato-Ku
Tokyo 104-0044
Tel: +81 (0)3 3582 1468
Fax: +81 (0)3 3582 0974
showroom.tokyo@flos.com

FLAGSHIP STORES

MILANO
Corso Monforte, 9
20122 - Milano
Tel +39 02 37011080
Fax +39 02 780833
shop.milan@flos.com

ROMA
Via del Babuino, 85
00187 - Roma
Tel +39 06 3207631
Fax +39 06 3207690
flosroma@flos.com

NEW YORK
135 Madison Ave
New York, NY 10016
Tel +1 212 941 4760
Fax +1 212 941 4763
info@flosusa.com

PARIS
15, Rue de Bourgogne
75007 - Paris
Tel +33 (0) 1 53 85 49 93
Fax +33 (0) 1 53 85 49 99
flosparis@flos.com

LYON
17 Rue Jarente
69002 - Lyon
Tel +33 478621301
Fax +33 478622119
floslyon@flos.com

STOCKHOLM
FLOS Sverige
Lützengatan 1
11520 Stockholm
Sweden
Tel +46086604405
info.se@flos.com

COLOPHON

CONTACT

ITALY
Flos Spa
Via Angelo Faini, 2
25073 Bovezzo (Brescia)
Tel +39 0302438.1
Fax +39 0302438.250
info@flos.com

SPAIN
Antares Iluminación S.A.U.
Calle Mallorca, 1
Polígono Industrial Reva
46394 Ribarroja (Valencia)
Tel +34 96 166 95 20
Fax +34 96 166 82 86
flos.architectural@flos.com

CREDITS

ART DIRECTION
Apartamento Studios

GRAPHIC DESIGN
Apartamento Studios

PHOTO PRODUCT / RENDERING
Piero Fasanotto
Jorge Herrera
Mozing Studio
Salvador Martín

LAYOUT
Flos Architectural Team

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