

OUTDOOR LIGHTING 2025

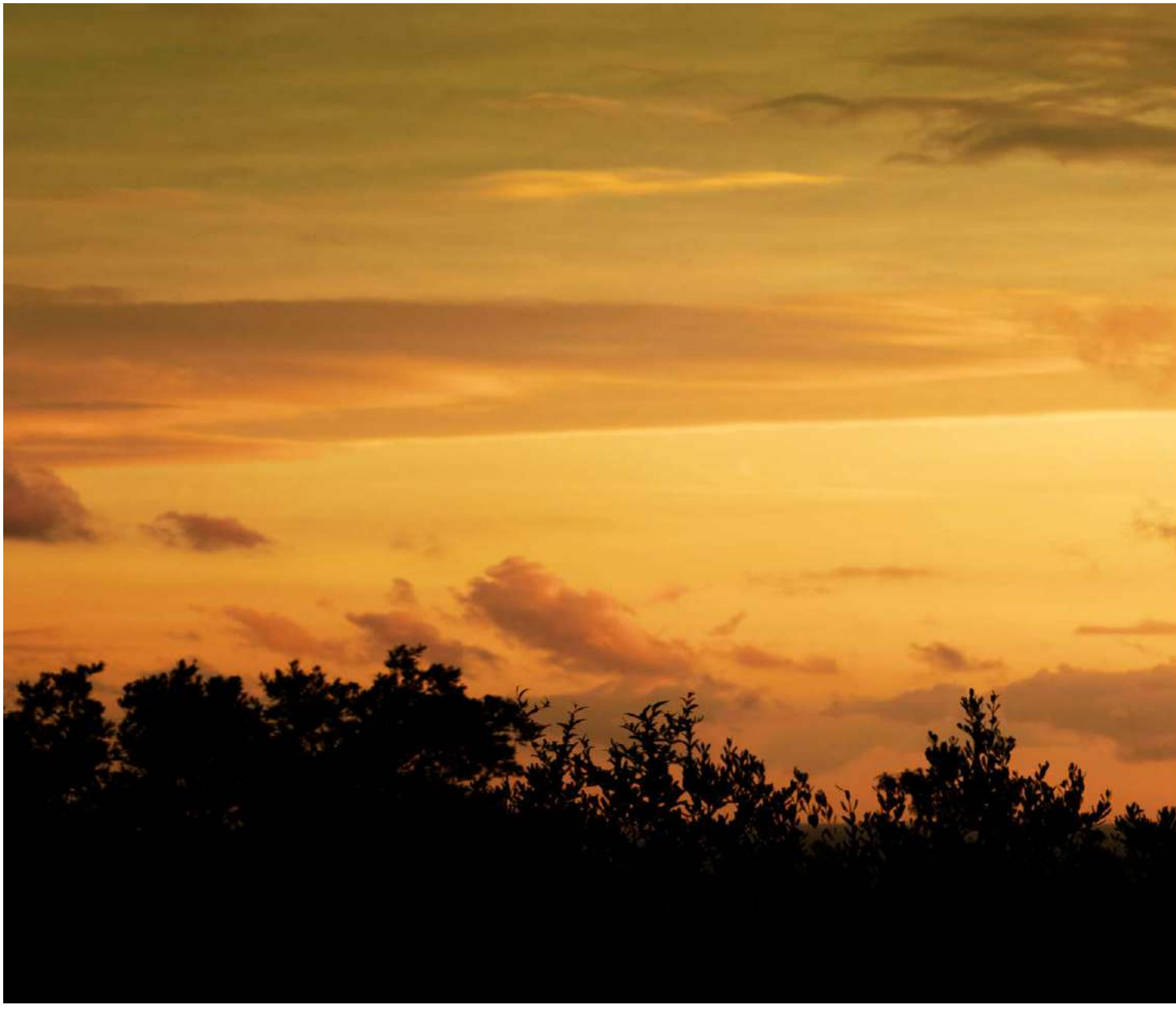
FLOS
Outdoor

ITALIANO / ENGLISH



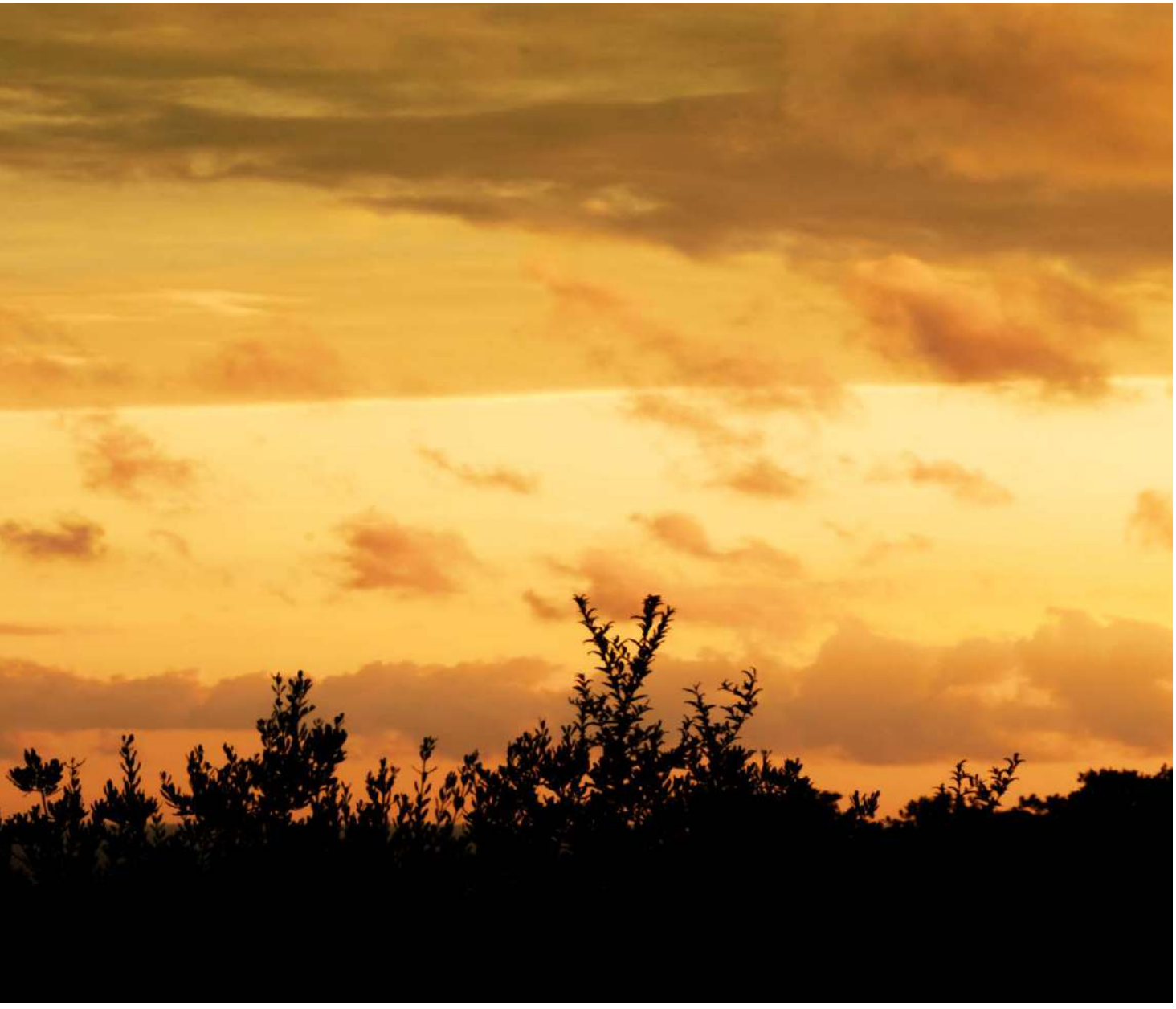
FLOS

Outdoor



La temperatura colore 2200K è disponibile su richiesta per la maggior parte dei prodotti presenti in questo catalogo. Consultateci per verificare la disponibilitá nel caso in cui sia necessaria per il vostro progetto.

The 2200K color temperature is available upon request for most of the products featured in this catalogue. Please consult us for availability in case you need more information for you lighting project.



Inground

Landlord

292



A - Round

470



A - Rise

480



Gobi

504



C - Me

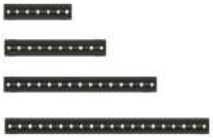
526



Linear

Ingraze

542



Outgraze

604



Tau

654



Spotlights

Spine

16



Landlord

292



Belvedere

348



Heavy Metal

440



Kirk

710



Spock

718



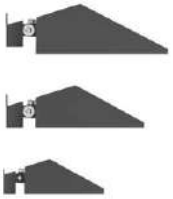
Aimer

730



Franco

764



Perseo

786



Table / Floor

In Vitro Unplugged

186



Mayday Outdoor

198



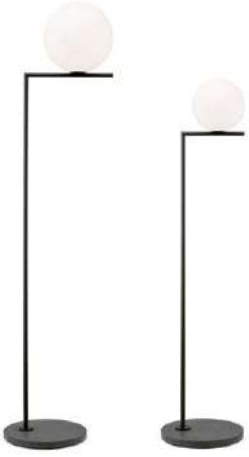
Captain Flint

240



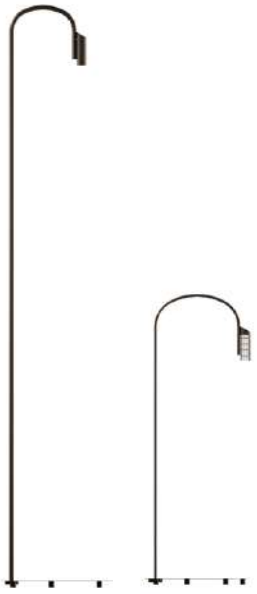
IC Lights

250



Caule

258



K - Tribe

285



Table / Floor

Superarchimoon

285



Bollard

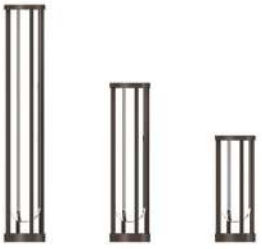
Pointbreak

156



In Vitro

186



Mile

206



Caule

258



Landlord

292



Bellhop

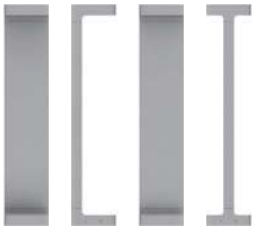
310



Bollard

Casting

322



Casting Concrete

322



Walkstick

334



Klein Pro

360



Zefiro

370



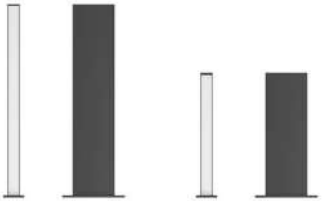
I - Ron

380



Talia

388



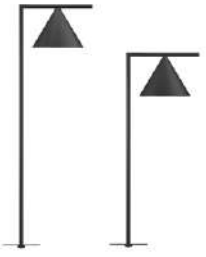
Aimer 2 Pole

730



Captain Flint Bollard

240



Wall

Pointbreak

156



In Vitro

186



Mile

206



Captain Flint

240



IC Lights

250



Flauta

274



Bellhop

310



Belvedere

348

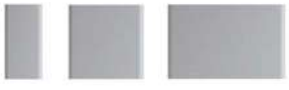


Camouflage

416

Climber

426



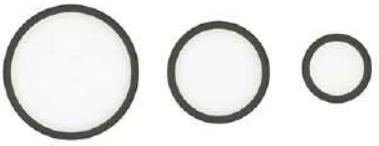
Heavy Metal

440



Platter

686



Wall

Dooku

810



Graphic Light

Fenestra

462



Ceiling / Suspension

Pointbreak

156



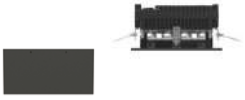
In Vitro

186



Mile

206



IC Lights

250



Romeo

285



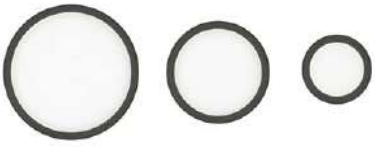
Leila

698



Platter

686



Path

Mile

206



Wallstick

334



Real Matter

398



My Way

408



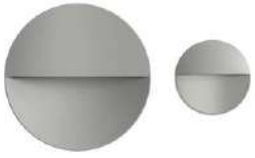
Gobi

504



Eclipse

666



Hyperion

676



Pole / Pole Top

Bellhop

310



Franco

764



Perseo

786



Dooku

810



Spine

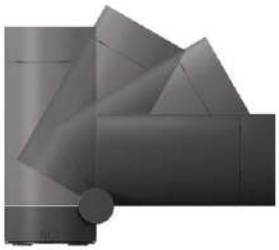
Designed by Vincent Van Duysen











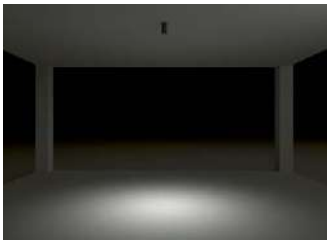
LIBERTÀ DI MOVIMENTO
Spine significa spina dorsale, emblema che rispecchia perfettamente il giunto del corpo lampada dotato di una scala graduata per regolazione sia sull'asse orizzontale che verticale rispettivamente di 360° e 270°.

FREE TO MOVE
Spine means backbone, an image referenced in the joint of the lighting body, equipped with a graduated scale, which can be adjusted both horizontally and vertically by 360° and 270° respectively.



A PROVA DI FUTURO
Il telaio superiore del prodotto è stato progettato con elementi intercambiabili per personalizzare le prestazioni dell'apparecchio grazie ad accessori ottici dedicati che possono essere combinati per soddisfare qualsiasi esigenza progettuale.

FUTURE PROOF
The top head has been designed with interchangeable frames to customize the fixture's performance thanks to dedicated optic accessories that can be mixed to fulfill the project requirements.



COMFORT VISIVO SENZA PARAGONI
Una rivoluzione nell'illuminazione d'accento per esterni. Il gruppo ottico è stato ottimizzato pensando all'utente finale: la sorgente luminosa resta nascosta alla vista, raggiungendo il massimo comfort visivo in dimensioni compatte senza sacrificare l'efficienza.

UNCOMPARABLE VISUAL COMFORT
A revolution in outdoor accent lighting. The optical group has been designed with the end users in mind, so that the source remains hidden from view, achieving maximum visual comfort without sacrificing efficiency and compact dimensions.



COLLEGAMENTI NASCOSTI ALLA VISTA
L'alimentatore è integrato nel corpo dell'apparecchio in modo da nascondere tutti i collegamenti elettrici all'interno della base.

CONNECTIONS HIDDEN FROM VIEW
The driver is integrated within the fixture's body making all connections hidden in the base.

Famiglia / Family

Spine 0 Pro



Power Led
up to 5W
up to 368 lm - 2700K/CRI 80
up to 377 lm - 3000K/CRI 80
up to 413 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Spine 0 Ultra



Power Led
up to 5W
up to 368 lm - 2700K/CRI 80
up to 377 lm - 3000K/CRI 80
up to 413 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Spine 1 Absolute



CoB Led
up to 11W
up to 923 lm - 2700K/CRI 80
up to 982 lm - 3000K/CRI 80
up to 1011 lm - 4000K/CRI 80
Net lumen output

Spine 1 Pro



Power Led
up to 3,5W
up to 143 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 154 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led
up to 7,9W
up to 550 lm - 2700K/CRI 80
up to 571 lm - 3000K/CRI 80
up to 591 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led HP
HP up to 10,5W
HP up to 680 lm - 2700K/CRI 80
HP up to 706 lm - 3000K/CRI 80
HP up to 730 lm - 4000K/CRI 80
Net lumen output

Spine 1 Ultra



Power Led
up to 3,5W
up to 143 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 154 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led
up to 7,9W
up to 550 lm - 2700K/CRI 80
up to 571 lm - 3000K/CRI 80
up to 591 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led HP
HP up to 10,5W
HP up to 680 lm - 2700K/CRI 80
HP up to 706 lm - 3000K/CRI 80
HP up to 730 lm - 4000K/CRI 80
Net lumen output

Spine 2 Absolute



CoB Led
up to 19,5W
up to 1939 lm - 2700K/CRI 80
up to 2085 lm - 3000K/CRI 80
up to 2120 lm - 4000K/CRI 80
Net lumen output

Spine 2 Pro



Power Led
up to 4,1W
up to 230 lm - 2700K/CRI 80
up to 239 lm - 3000K/CRI 80
up to 247 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led
up to 10,5W
up to 769 lm - 2700K/CRI 80
up to 808 lm - 3000K/CRI 80
up to 846 lm - 4000K/CRI 80
Net lumen output

Power Led HP
HP up to 17W
HP up to 1443 lm - 2700K/CRI 80
HP up to 1497 lm - 3000K/CRI 80
HP up to 1548 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Spine 2 Ultra



Power Led
up to 4,1W
up to 230 lm - 2700K/CRI 80
up to 239 lm - 3000K/CRI 80
up to 247 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Power Led
up to 10,5W
up to 769 lm - 2700K/CRI 80
up to 808 lm - 3000K/CRI 80
up to 846 lm - 4000K/CRI 80
Net lumen output

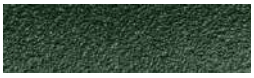
Power Led HP
HP up to 17W
HP up to 1443 lm - 2700K/CRI 80
HP up to 1497 lm - 3000K/CRI 80
HP up to 1548 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Descrizione / Description

Famiglia di proiettori professionali orientabili per esterno disegnati da Vincent Van Duysen. Il prodotto è caratterizzato da un disegno essenziale ed elegante per poter essere integrato in molteplici contesti, dal residenziale all'hospitality. Equipaggiato con sorgenti luminose a LED di ultima generazione ed arricchito di molteplici soluzioni ottiche ad altissime prestazioni.
La gamma è declinata in tre modelli ABSOLUTE, PRO E ULTRA, disponibili in due diversi tagli dimensionali e di potenza per garantire la massima versatilità e soddisfare differenti richieste progettuali, dalla luce d'accento con fasci ultra narrow fino all'illuminazione di ampie superfici. Spine è predisposto per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente.
Corpo e dissipatore di calore in alluminio tornito lega EN AW 6060. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposto a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Diffusore in vetro temperato extrachiaro con bordo serigrafato fissato attraverso un sistema di incollaggio robotizzato.
La versione ABSOLUTE è equipaggiata con COB led ad alta efficienza e riflettori in polimero ricoperti in alluminio purissimo per due aperture di fascio.
Le versioni PRO e ULTRA sono equipaggiate con power led SMD di ultima generazione. L'esclusivo gruppo ottico integrato in posizione arretrata garantisce un estremo comfort visivo, grazie all'utilizzo di lenti customizzate, e allo stesso tempo mantiene una elevata performance illuminotecnica. L'estrema flessibilità è assicurata dalla possibilità di inserire nel vano ottico collimatori progettati per variare le aperture del fascio, passando da fasci simmetrici spot, medium e flood, a fasci asimmetrici ed ellittici, così da coprire una vasta richiesta di differenti funzioni illuminotecniche.
Per il controllo totale del fascio luminoso, le versioni ULTRA sono dotate di snoot integrato e possibilità di inserire numerosi accessori quali honeycomb e visor.
La regolazione precisa dell'unità emittente viene garantita dallo snodo su cui è stampata una scala graduata di riferimento, assicurando una orientabilità di 270° sull'asse verticale. La piastra di fissaggio in tecnopolimero ad alta resistenza meccanica a sua volta permette una orientabilità di 360° sull'asse orizzontale per direzionare il fascio in base alle esigenze. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso. Versione con accessorio paletto dotata di spezzone di cavo uscente in neoprene per connessione elettrica remota.
Completano la gamma una serie di accessori per l'installazione su superfici solide e pali.

Family of outdoor, professional and adjustable projectors designed by Vincent Van Duysen. The product is characterized by a minimalist and elegant design suitable for the most varied contexts, from residential to hotel environments. Equipped with state-of-the-art LED sources, they are completed by several upmarket optical solutions.
The family consists of three models: ABSOLUTE, PRO and ULTRA. Each model is available in two sizes and powers, which guarantee the maximum versatility and respond appropriately to any requirement: from accent lighting with extra-thin light beams to lighting for wider surfaces. Spine is ready for ground, wall or ceiling installation, and a pole can be ordered separately.
Turned aluminum body and heat sink (EN AW 6060 alloy). Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. Extra clear tempered glass diffuser with silkscreen border, fixed through a robotic gluing system.
The ABSOLUTE version is equipped with a high-performance LED COB light source and polymer reflectors, covered in pure aluminum for two beam angles.
The PRO and ULTRA versions are equipped with a state-of-the-art LED SMD. The optical unit is integrated in the rear part, which guarantees an absolute visual comfort thanks to the use of customized lenses, as well as high lighting performances. The possibility of inserting collimators in the optical compartment that are designed to modify the beam angle—from punctual, medium and large symmetric beams to asymmetric and elliptical beams—guarantee an extreme flexibility to meet any lighting requirement.
To fully control the light beam, the ULTRA versions are equipped with an integrated supplied snoot and allow the insertion of numerous accessories such as the honeycomb and visor.
The exact dimming of the emitting unit is guaranteed by the joint with a graduated reference scale printed on it, which ensures an orientation of 270° on the vertical axis. The high mechanical resistance technopolymer fixing plate allows 360° orientation on the horizontal axis, thus allowing the light beam to be directed according to individual requirements.
The electrical connections are made on the base by means of a watertight connector included. Version including a bollard as an accessory, equipped with a neoprene cable for remote electrical connection.
The family is completed by a series of accessories for solid surface and mast installation.



	SPINE ABSOLUTE		SPINE PRO							SPINE ULTRA							
	SPINE 1 ABSOLUTE	SPINE 2 ABSOLUTE	SPINE 0 PRO	SPINE 1 PRO		SPINE 1 PRO HP	SPINE 2 PRO		SPINE 2 PRO HP	SPINE 0 ULTRA	SPINE 1 ULTRA		SPINE 1 ULTRA HP	SPINE 2 ULTRA		SPINE 2 ULTRA HP
MODEL																
SIZE	ø70	ø90	ø50	ø70		ø70	ø90		ø90	ø50	ø70		ø70	ø90		ø90
LIGHT BEAM	Spot	Spot	Spot	Narrow Spot	Spot	Spot	Narrow Spot	Spot	Spot	Spot	Narrow Spot	Spot	Spot	Narrow Spot	Spot	Spot
	Medium Flood	Medium Flood	Medium Flood		Medium Flood	Medium Flood		Medium Flood	Medium Flood	Medium Flood		Medium Flood	Medium Flood		Medium Flood	Medium Flood
			Flood		Flood	Flood		Flood	Flood	Flood		Flood	Flood		Flood	Flood
			Wide Flood		Wide Flood	Wide Flood		Wide Flood	Wide Flood	Wide Flood		Wide Flood	Wide Flood		Wide Flood	Wide Flood
			Elliptical 1		Elliptical 1	Elliptical 1		Elliptical 1	Elliptical 1	Elliptical 1		Elliptical 1	Elliptical 1		Elliptical 1	Elliptical 1
			Elliptical 2		Elliptical 2	Elliptical 2		Elliptical 2	Elliptical 2	Elliptical 2		Elliptical 2	Elliptical 2		Elliptical 2	Elliptical 2
			Wall Washer		Wall Washer	Wall Washer		Wall Washer	Wall Washer	Wall Washer		Wall Washer	Wall Washer		Wall Washer	Wall Washer
POWER	11W	19,5W	5W	3,5W	7,9W	10,5W	4,1W	10,5W	17W	5W	3,5W	7,9W	10,5W	4,1W	10,5W	17W
FLUX 4000K	Up to 1011 lm	Up to 2120 lm	Up to 413 lm	Up to 154 lm	Up to 591 lm	Up to 730 lm	Up to 247 lm	Up to 846 lm	Up to 1548 lm	Up to 413 lm	Up to 154 lm	Up to 591 lm	Up to 730 lm	Up to 247 lm	Up to 846 lm	Up to 1548 lm
CCT				2200K *					2200K *		2200K *					
	2700K		2700K	2700K					2700K	2700K	2700K					
	3000K		3000K	3000K					3000K	3000K	3000K					
	4000K		4000K	4000K					4000K	4000K	4000K					
CRI	80		80	80					80	80	80					
CONTROL	on-off 230V	on-off 230V	on-off 230V	on-off 230V			on-off 230V		on-off 230V	on-off 230V	on-off 230V			on-off 230V		
	DALI *	DALI 230V	DALI *	DALI *			DALI 230V		DALI 230V	DALI *	DALI *			DALI 230V		
	1-10V *	1-10V 230V		1-10V *			1-10V 230V		1-10V 230V		1-10V *			1-10V 230V		
OPTICAL ACC.	• Honeycomb louvre		• Honeycomb louvre • Converter lens (medium flood/flood/ wide flood/elliptical 1/ elliptical 2/wall washer)	• Honeycomb louvre		• Honeycomb louvre • Converter lens (medium flood/flood/wide flood/ elliptical 1/ elliptical 2/wall washer)				• Honeycomb louvre • Converter lens (medium flood/flood/wide flood/elliptical 1/ elliptical 2/wall washer) • Visor						
**MOUNTING OPTIONS	Ground Spike		Ground Spike	Ground Spike					Ground Spike	Ground Spike	Ground Spike					
	Rod		Rod	Rod					Rod	Rod	Rod					
	L Bracket			L Bracket					L Bracket		L Bracket					
	Pole		Pole	Pole					Pole	Pole	Pole					

* A richiesta / On demand
** Vedi pagina successiva /See next page

Spine

Ø70 / Ø90

Absolute / Pro / Ultra

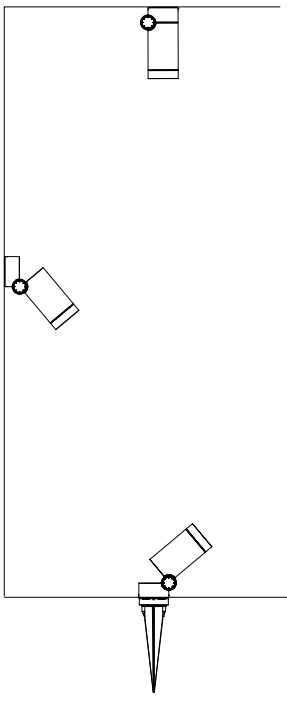
Ø50

Pro / Ultra



+





Spine F

Ø70 / Ø90

Absolute / Pro / Ultra

Ø50

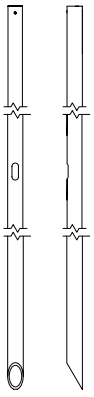
Pro / Ultra

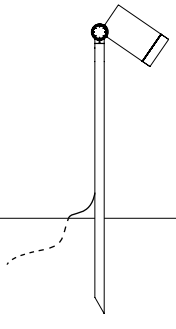


Cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota.

5m neoprene output cable (10m on request) for remote electrical connection.

+





Spine L

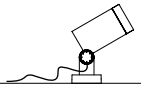
Ø70 / Ø90

Absolute / Pro / Ultra



Cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota.

5m neoprene output cable (10m on request) for remote electrical connection.



Spine T

Ø70 / Ø90

Absolute / Pro / Ultra

Ø50

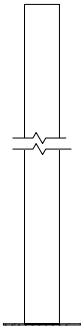
Pro / Ultra

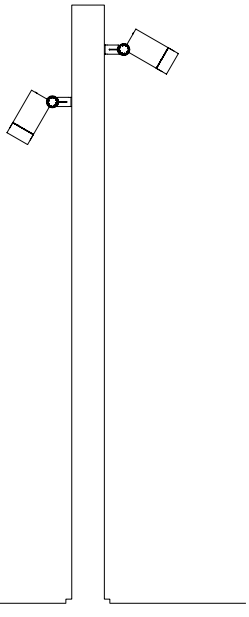


Cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota.

5m neoprene output cable (10m on request) for remote electrical connection.

+

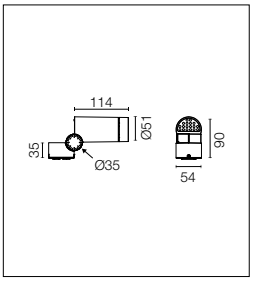


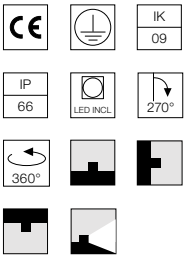




Spine 0 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Dotata di spezzone di cavo uscente in neoprene da 5m; Accessori per connessione IP da ordinare separatamente; per garantire la tenuta è consigliabile utilizzare cavi fessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

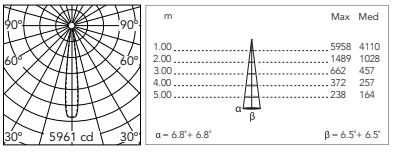
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2BA001	○ F027D3BA001	○ F027D4BA001
● F027D2BA006	● F027D3BA006	● F027D4BA006
● F027D2BA012	● F027D3BA012	● F027D4BA012
● F027D2BA018	● F027D3BA018	● F027D4BA018
● F027D2BA030	● F027D3BA030	● F027D4BA030
● F027D2BA033	● F027D3BA033	● F027D4BA033

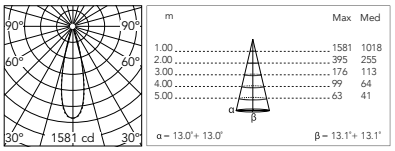


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2CA001	○ F027D3CA001	○ F027D4CA001
● F027D2CA006	● F027D3CA006	● F027D4CA006
● F027D2CA012	● F027D3CA012	● F027D4CA012
● F027D2CA018	● F027D3CA018	● F027D4CA018
● F027D2CA030	● F027D3CA030	● F027D4CA030
● F027D2CA033	● F027D3CA033	● F027D4CA033

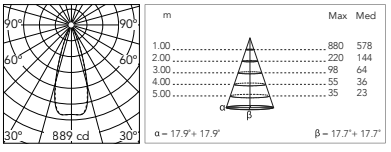


@ 3000K

Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2DA001	○ F027D3DA001	○ F027D4DA001
● F027D2DA006	● F027D3DA006	● F027D4DA006
● F027D2DA012	● F027D3DA012	● F027D4DA012
● F027D2DA018	● F027D3DA018	● F027D4DA018
● F027D2DA030	● F027D3DA030	● F027D4DA030
● F027D2DA033	● F027D3DA033	● F027D4DA033

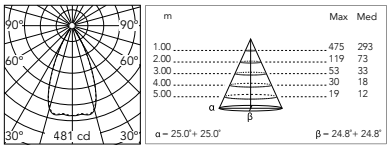


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2EA001	○ F027D3EA001	○ F027D4EA001
● F027D2EA006	● F027D3EA006	● F027D4EA006
● F027D2EA012	● F027D3EA012	● F027D4EA012
● F027D2EA018	● F027D3EA018	● F027D4EA018
● F027D2EA030	● F027D3EA030	● F027D4EA030
● F027D2EA033	● F027D3EA033	● F027D4EA033

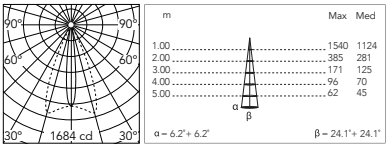


@ 3000K

Optic Elliptical 1 12° x 50°

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2FA001	○ F027D3FA001	○ F027D4FA001
● F027D2FA006	● F027D3FA006	● F027D4FA006
● F027D2FA012	● F027D3FA012	● F027D4FA012
● F027D2FA018	● F027D3FA018	● F027D4FA018
● F027D2FA030	● F027D3FA030	● F027D4FA030
● F027D2FA033	● F027D3FA033	● F027D4FA033

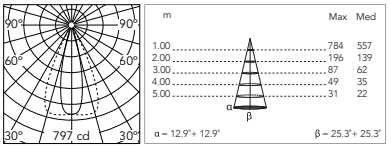


@ 3000K

Optic Elliptical 2 26° x 51°

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2GA001	○ F027D3GA001	○ F027D4GA001
● F027D2GA006	● F027D3GA006	● F027D4GA006
● F027D2GA012	● F027D3GA012	● F027D4GA012
● F027D2GA018	● F027D3GA018	● F027D4GA018
● F027D2GA030	● F027D3GA030	● F027D4GA030
● F027D2GA033	● F027D3GA033	● F027D4GA033

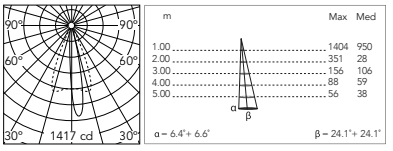


@ 3000K

Optic Wall Washer

Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

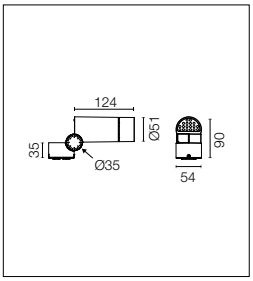
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027D2HA001	○ F027D3HA001	○ F027D4HA001
● F027D2HA006	● F027D3HA006	● F027D4HA006
● F027D2HA012	● F027D3HA012	● F027D4HA012
● F027D2HA018	● F027D3HA018	● F027D4HA018
● F027D2HA030	● F027D3HA030	● F027D4HA030
● F027D2HA033	● F027D3HA033	● F027D4HA033

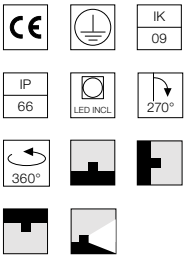


@ 3000K

Spine 0 Ultra







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Dotata di spezzone di cavo uscente in neoprene da 5m; Accessori per connessione IP da ordinare separatamente; per garantire la tenuta è consigliabile utilizzare cavi fessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

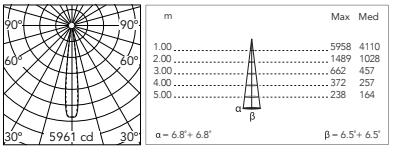
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027B2BA001	○ F027B3BA001	○ F027B4BA001
● F027B2BA006	● F027B3BA006	● F027B4BA006
● F027B2BA012	● F027B3BA012	● F027B4BA012
● F027B2BA018	● F027B3BA018	● F027B4BA018
● F027B2BA030	● F027B3BA030	● F027B4BA030
● F027B2BA033	● F027B3BA033	● F027B4BA033

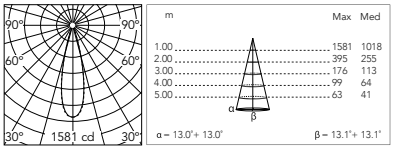


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027B2CA001	○ F027B3CA001	○ F027B4CA001
● F027B2CA006	● F027B3CA006	● F027B4CA006
● F027B2CA012	● F027B3CA012	● F027B4CA012
● F027B2CA018	● F027B3CA018	● F027B4CA018
● F027B2CA030	● F027B3CA030	● F027B4CA030
● F027B2CA033	● F027B3CA033	● F027B4CA033

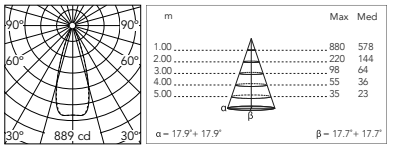


@ 3000K

Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027B2DA001	○ F027B3DA001	○ F027B4DA001
● F027B2DA006	● F027B3DA006	● F027B4DA006
● F027B2DA012	● F027B3DA012	● F027B4DA012
● F027B2DA018	● F027B3DA018	● F027B4DA018
● F027B2DA030	● F027B3DA030	● F027B4DA030
● F027B2DA033	● F027B3DA033	● F027B4DA033

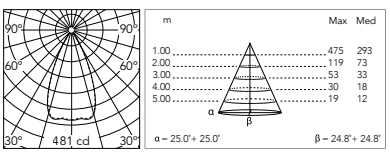


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027B2EA001	○ F027B3EA001	○ F027B4EA001
● F027B2EA006	● F027B3EA006	● F027B4EA006
● F027B2EA012	● F027B3EA012	● F027B4EA012
● F027B2EA018	● F027B3EA018	● F027B4EA018
● F027B2EA030	● F027B3EA030	● F027B4EA030
● F027B2EA033	● F027B3EA033	● F027B4EA033

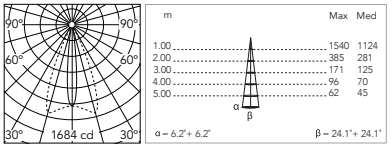


@ 3000K

Optic Elliptical 1 12º x 50º

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027B2FA001	○ F027B3FA001	○ F027B4FA001
● F027B2FA006	● F027B3FA006	● F027B4FA006
● F027B2FA012	● F027B3FA012	● F027B4FA012
● F027B2FA018	● F027B3FA018	● F027B4FA018
● F027B2FA030	● F027B3FA030	● F027B4FA030
● F027B2FA033	● F027B3FA033	● F027B4FA033

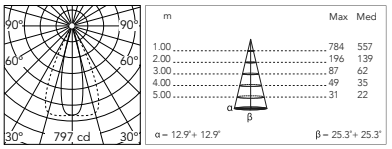


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027B2GA001	○ F027B3GA001	○ F027B4GA001
● F027B2GA006	● F027B3GA006	● F027B4GA006
● F027B2GA012	● F027B3GA012	● F027B4GA012
● F027B2GA018	● F027B3GA018	● F027B4GA018
● F027B2GA030	● F027B3GA030	● F027B4GA030
● F027B2GA033	● F027B3GA033	● F027B4GA033

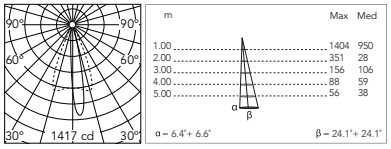


@ 3000K

Optic Wall Washer

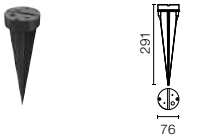
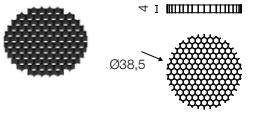
Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027B2HA001	○ F027B3HA001	○ F027B4HA001
● F027B2HA006	● F027B3HA006	● F027B4HA006
● F027B2HA012	● F027B3HA012	● F027B4HA012
● F027B2HA018	● F027B3HA018	● F027B4HA018
● F027B2HA030	● F027B3HA030	● F027B4HA030
● F027B2HA033	● F027B3HA033	● F027B4HA033



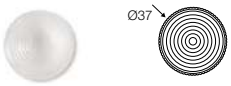
@ 3000K

Spine 0 Pro: Accessori / Accessories

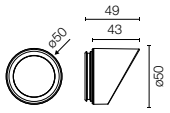
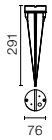
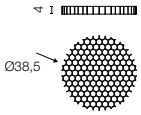
Picchetto per installazione nel terreno.	Ground spike.	F027Z010000	
Honeycomb	Honeycomb Louvre	F027Z060000	

Lenti converter / Converter lenses:

- Converter Spine 0 / Spine 1 Optic Medium Flood	F029Z010000
- Converter Spine 0 / Spine 1 Optic Flood	F029Z011000
- Converter Spine 0 / Spine 1 Optic Wide Flood	F029Z012000
- Converter Spine 0 / Spine 1 Optic Elliptic 1	F029Z013000
- Converter Spine 0 / Spine 1 Optic Elliptic 2	F029Z014000
- Converter Spine 0 / Spine 1 Optic Wall Washer	F029Z015000



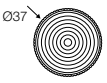
Spine 0 Ultra: Accessori / Accessories

Visor	Visor	○ F027Z050001 ● F027Z050006 ● F027Z050012 ● F027Z050018 ● F027Z050030 ● F027Z050033		
Picchetto per installazione nel terreno.	Ground spike.	F027Z010000		
Honeycomb	Honeycomb Louvre	F027Z060000		

Lenti converter / Converter lenses:

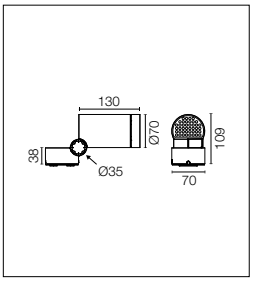
- Converter Spine 0 / Spine 1 Optic Medium Flood	F029Z010000
- Converter Spine 0 / Spine 1 Optic Flood	F029Z011000
- Converter Spine 0 / Spine 1 Optic Wide Flood	F029Z012000
- Converter Spine 0 / Spine 1 Optic Elliptic 1	F029Z013000
- Converter Spine 0 / Spine 1 Optic Elliptic 2	F029Z014000
- Converter Spine 0 / Spine 1 Optic Wall Washer	F029Z015000

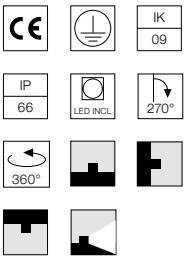




Spine 1 Absolute







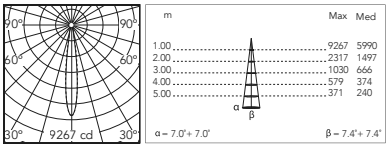
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

LED COB light source included. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 15°

CoB Led: 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025A2BA001	○ F025A3BA001	○ F025A4BA001
● F025A2BA006	● F025A3BA006	● F025A4BA006
● F025A2BA012	● F025A3BA012	● F025A4BA012
● F025A2BA018	● F025A3BA018	● F025A4BA018
● F025A2BA030	● F025A3BA030	● F025A4BA030
● F025A2BA033	● F025A3BA033	● F025A4BA033

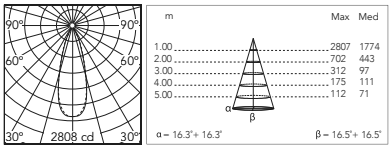


@ 3000K

Optic Medium Flood 33°

CoB Led: 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025A2CA001	○ F025A3CA001	○ F025A4CA001
● F025A2CA006	● F025A3CA006	● F025A4CA006
● F025A2CA012	● F025A3CA012	● F025A4CA012
● F025A2CA018	● F025A3CA018	● F025A4CA018
● F025A2CA030	● F025A3CA030	● F025A4CA030
● F025A2CA033	● F025A3CA033	● F025A4CA033

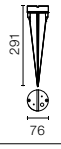


@ 3000K

Spine 1 Absolute: Accessori / Accessories

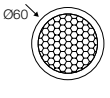
Picchetto per installazione nel terreno.	Ground spike.	F026Z010000





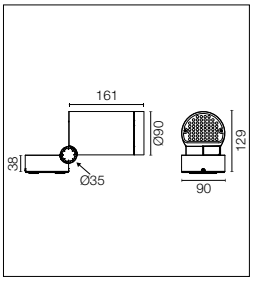
Honeycomb	Honeycomb Louvre	F025Z060000

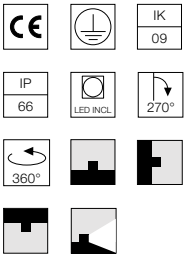




Spine 2 Absolute





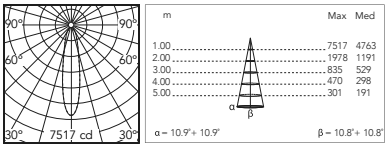


Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

LED COB light source included. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

Optic Spot 22°

CoB Led: 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

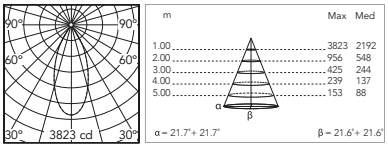


@ 3000K

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026A2BA001.A	○ F026A3BA001	○ F026A4BA001.A
● F026A2BA006.A	● F026A3BA006	● F026A4BA006.A
● F026A2BA012.A	● F026A3BA012	● F026A4BA012.A
● F026A2BA018.A	● F026A3BA018	● F026A4BA018.A
● F026A2BA030.A	● F026A3BA030	● F026A4BA030.A
● F026A2BA033.A	● F026A3BA033	● F026A4BA033.A
1-10V	1-10V	1-10V
○ F026A2BB001.A	○ F026A3BB001	○ F026A4BB001.A
● F026A2BB006.A	● F026A3BB006	● F026A4BB006.A
● F026A2BB012.A	● F026A3BB012	● F026A4BB012.A
● F026A2BB018.A	● F026A3BB018	● F026A4BB018.A
● F026A2BB030.A	● F026A3BB030	● F026A4BB030.A
● F026A2BB033.A	● F026A3BB033	● F026A4BB033.A
Dali	Dali	Dali
○ F026A2BD001.A	○ F026A3BD001	○ F026A4BD001.A
● F026A2BD006.A	● F026A3BD006	● F026A4BD006.A
● F026A2BD012.A	● F026A3BD012	● F026A4BD012.A
● F026A2BD018.A	● F026A3BD018	● F026A4BD018.A
● F026A2BD030.A	● F026A3BD030	● F026A4BD030.A
● F026A2BD033.A	● F026A3BD033	● F026A4BD033.A

Optic Medium Flood 43°

CoB Led: 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

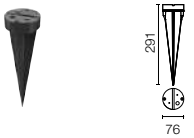


@ 3000K

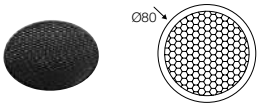
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026A2CA001.A	○ F026A3CA001	○ F026A4CA001.A
● F026A2CA006.A	● F026A3CA006	● F026A4CA006.A
● F026A2CA012.A	● F026A3CA012	● F026A4CA012.A
● F026A2CA018.A	● F026A3CA018	● F026A4CA018.A
● F026A2CA030.A	● F026A3CA030	● F026A4CA030.A
● F026A2CA033.A	● F026A3CA033	● F026A4CA033.A
1-10V	1-10V	1-10V
○ F026A2CB001.A	○ F026A3CB001	○ F026A4CB001.A
● F026A2CB006.A	● F026A3CB006	● F026A4CB006.A
● F026A2CB012.A	● F026A3CB012	● F026A4CB012.A
● F026A2CB018.A	● F026A3CB018	● F026A4CB018.A
● F026A2CB030.A	● F026A3CB030	● F026A4CB030.A
● F026A2CB033.A	● F026A3CB033	● F026A4CB033.A
Dali	Dali	Dali
○ F026A2CD001.A	○ F026A3CD001	○ F026A4CD001.A
● F026A2CD006.A	● F026A3CD006	● F026A4CD006.A
● F026A2CD012.A	● F026A3CD012	● F026A4CD012.A
● F026A2CD018.A	● F026A3CD018	● F026A4CD018.A
● F026A2CD030.A	● F026A3CD030	● F026A4CD030.A
● F026A2CD033.A	● F026A3CD033	● F026A4CD033.A

Spine 2 Absolute: Accessori / Accessories

Picchetto per installazione nel terreno.	Ground spike.	F026Z010000

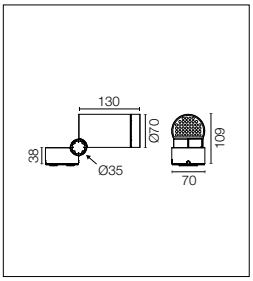


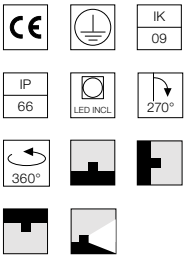
Honeycomb	Honeycomb Louvre	F026Z060000



Spine 1 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

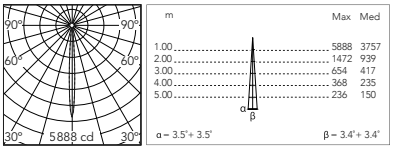
Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2AA001	○ F025D3AA001	○ F025D4AA001
● F025D2AA006	● F025D3AA006	● F025D4AA006
● F025D2AA012	● F025D3AA012	● F025D4AA012
● F025D2AA018	● F025D3AA018	● F025D4AA018
● F025D2AA030	● F025D3AA030	● F025D4AA030
● F025D2AA033	● F025D3AA033	● F025D4AA033

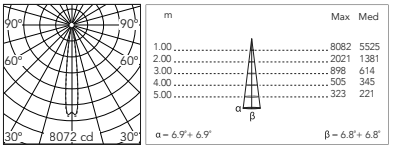


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2BA001	○ F025D3BA001	○ F025D4BA001
● F025D2BA006	● F025D3BA006	● F025D4BA006
● F025D2BA012	● F025D3BA012	● F025D4BA012
● F025D2BA018	● F025D3BA018	● F025D4BA018
● F025D2BA030	● F025D3BA030	● F025D4BA030
● F025D2BA033	● F025D3BA033	● F025D4BA033

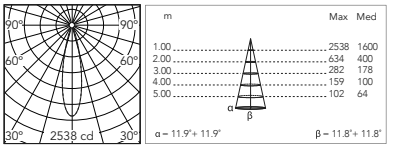


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2CA001	○ F025D3CA001	○ F025D4CA001
● F025D2CA006	● F025D3CA006	● F025D4CA006
● F025D2CA012	● F025D3CA012	● F025D4CA012
● F025D2CA018	● F025D3CA018	● F025D4CA018
● F025D2CA030	● F025D3CA030	● F025D4CA030
● F025D2CA033	● F025D3CA033	● F025D4CA033

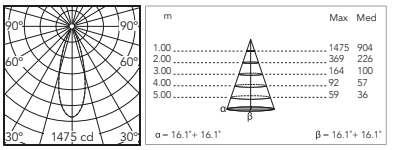


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2DA001	○ F025D3DA001	○ F025D4DA001
● F025D2DA006	● F025D3DA006	● F025D4DA006
● F025D2DA012	● F025D3DA012	● F025D4DA012
● F025D2DA018	● F025D3DA018	● F025D4DA018
● F025D2DA030	● F025D3DA030	● F025D4DA030
● F025D2DA033	● F025D3DA033	● F025D4DA033

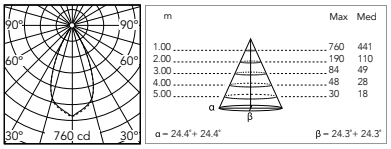


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2EA001	○ F025D3EA001	○ F025D4EA001
● F025D2EA006	● F025D3EA006	● F025D4EA006
● F025D2EA012	● F025D3EA012	● F025D4EA012
● F025D2EA018	● F025D3EA018	● F025D4EA018
● F025D2EA030	● F025D3EA030	● F025D4EA030
● F025D2EA033	● F025D3EA033	● F025D4EA033

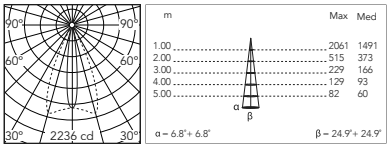


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2FA001	○ F025D3FA001	○ F025D4FA001
● F025D2FA006	● F025D3FA006	● F025D4FA006
● F025D2FA012	● F025D3FA012	● F025D4FA012
● F025D2FA018	● F025D3FA018	● F025D4FA018
● F025D2FA030	● F025D3FA030	● F025D4FA030
● F025D2FA033	● F025D3FA033	● F025D4FA033

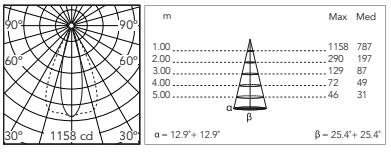


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2GA001	○ F025D3GA001	○ F025D4GA001
● F025D2GA006	● F025D3GA006	● F025D4GA006
● F025D2GA012	● F025D3GA012	● F025D4GA012
● F025D2GA018	● F025D3GA018	● F025D4GA018
● F025D2GA030	● F025D3GA030	● F025D4GA030
● F025D2GA033	● F025D3GA033	● F025D4GA033

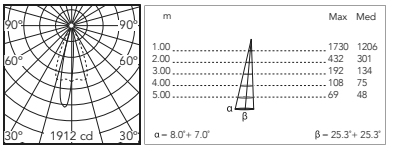


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

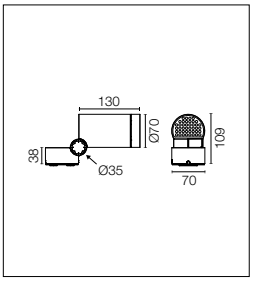
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025D2HA001	○ F025D3HA001	○ F025D4HA001
● F025D2HA006	● F025D3HA006	● F025D4HA006
● F025D2HA012	● F025D3HA012	● F025D4HA012
● F025D2HA018	● F025D3HA018	● F025D4HA018
● F025D2HA030	● F025D3HA030	● F025D4HA030
● F025D2HA033	● F025D3HA033	● F025D4HA033

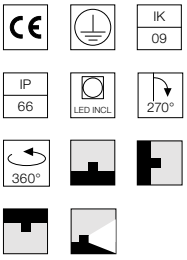


@ 3000K

Spine 1 Pro Hp







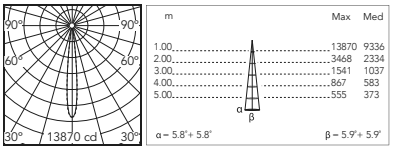
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025E2BA001	○ F025E3BA001	○ F025E4BA001
● F025E2BA006	● F025E3BA006	● F025E4BA006
● F025E2BA012	● F025E3BA012	● F025E4BA012
● F025E2BA018	● F025E3BA018	● F025E4BA018
● F025E2BA030	● F025E3BA030	● F025E4BA030
● F025E2BA033	● F025E3BA033	● F025E4BA033

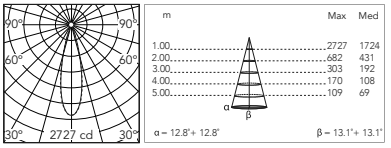


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025E2CA001	○ F025E3CA001	○ F025E4CA001
● F025E2CA006	● F025E3CA006	● F025E4CA006
● F025E2CA012	● F025E3CA012	● F025E4CA012
● F025E2CA018	● F025E3CA018	● F025E4CA018
● F025E2CA030	● F025E3CA030	● F025E4CA030
● F025E2CA033	● F025E3CA033	● F025E4CA033

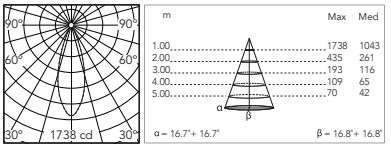


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025E2DA001	○ F025E3DA001	○ F025E4DA001
● F025E2DA006	● F025E3DA006	● F025E4DA006
● F025E2DA012	● F025E3DA012	● F025E4DA012
● F025E2DA018	● F025E3DA018	● F025E4DA018
● F025E2DA030	● F025E3DA030	● F025E4DA030
● F025E2DA033	● F025E3DA033	● F025E4DA033

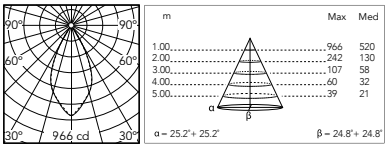


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025E2EA001	○ F025E3EA001	○ F025E4EA001
● F025E2EA006	● F025E3EA006	● F025E4EA006
● F025E2EA012	● F025E3EA012	● F025E4EA012
● F025E2EA018	● F025E3EA018	● F025E4EA018
● F025E2EA030	● F025E3EA030	● F025E4EA030
● F025E2EA033	● F025E3EA033	● F025E4EA033



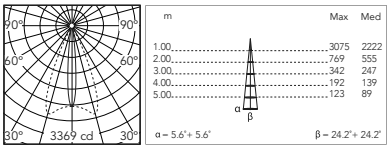
@ 3000K

Spine 1 Pro Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025E2FA001	○ F025E3FA001	○ F025E4FA001
● F025E2FA006	● F025E3FA006	● F025E4FA006
● F025E2FA012	● F025E3FA012	● F025E4FA012
● F025E2FA018	● F025E3FA018	● F025E4FA018
● F025E2FA030	● F025E3FA030	● F025E4FA030
● F025E2FA033	● F025E3FA033	● F025E4FA033

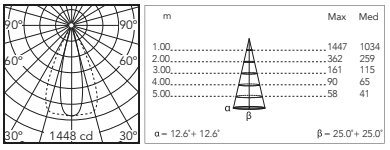


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025E2GA001	○ F025E3GA001	○ F025E4GA001
● F025E2GA006	● F025E3GA006	● F025E4GA006
● F025E2GA012	● F025E3GA012	● F025E4GA012
● F025E2GA018	● F025E3GA018	● F025E4GA018
● F025E2GA030	● F025E3GA030	● F025E4GA030
● F025E2GA033	● F025E3GA033	● F025E4GA033

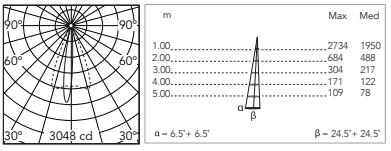


@ 3000K

Optic Wall Washer

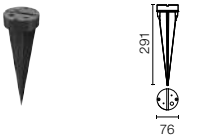
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025E2HA001	○ F025E3HA001	○ F025E4HA001
● F025E2HA006	● F025E3HA006	● F025E4HA006
● F025E2HA012	● F025E3HA012	● F025E4HA012
● F025E2HA018	● F025E3HA018	● F025E4HA018
● F025E2HA030	● F025E3HA030	● F025E4HA030
● F025E2HA033	● F025E3HA033	● F025E4HA033



@ 3000K

Spine 1 Pro: Accessori / Accessories

Picchetto per installazione nel terreno.	Ground spike.	F026Z010000	
Honeycomb	Honeycomb Louvre	F025Z060000	

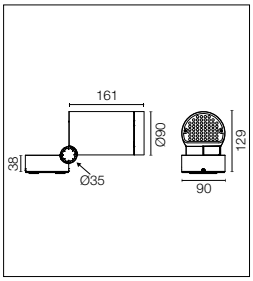
Lenti converter / Converter lenses:

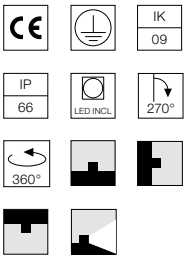
- Converter Spine 0 / Spine 1 Optic Medium Flood	F029Z010000
- Converter Spine 0 / Spine 1 Optic Flood	F029Z011000
- Converter Spine 0 / Spine 1 Optic Wide Flood	F029Z012000
- Converter Spine 0 / Spine 1 Optic Elliptic 1	F029Z013000
- Converter Spine 0 / Spine 1 Optic Elliptic 2	F029Z014000
- Converter Spine 0 / Spine 1 Optic Wall Washer	F029Z015000



Spine 2 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/ OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

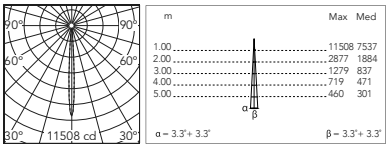
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2AA001	○ F026D3AA001	○ F026D4AA001
● F026D2AA006	● F026D3AA006	● F026D4AA006
● F026D2AA012	● F026D3AA012	● F026D4AA012
● F026D2AA018	● F026D3AA018	● F026D4AA018
● F026D2AA030	● F026D3AA030	● F026D4AA030
● F026D2AA033	● F026D3AA033	● F026D4AA033
1-10V	1-10V	1-10V
○ F026D2AB001	○ F026D3AB001	○ F026D4AB001
● F026D2AB006	● F026D3AB006	● F026D4AB006
● F026D2AB012	● F026D3AB012	● F026D4AB012
● F026D2AB018	● F026D3AB018	● F026D4AB018
● F026D2AB030	● F026D3AB030	● F026D4AB030
● F026D2AB033	● F026D3AB033	● F026D4AB033
Dali	Dali	Dali
○ F026D2AD001	○ F026D3AD001	○ F026D4AD001
● F026D2AD006	● F026D3AD006	● F026D4AD006
● F026D2AD012	● F026D3AD012	● F026D4AD012
● F026D2AD018	● F026D3AD018	● F026D4AD018
● F026D2AD030	● F026D3AD030	● F026D4AD030
● F026D2AD033	● F026D3AD033	● F026D4AD033

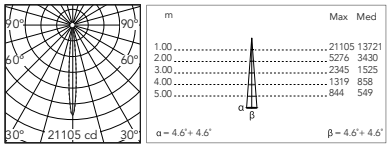


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2BA001	○ F026D3BA001	○ F026D4BA001
● F026D2BA006	● F026D3BA006	● F026D4BA006
● F026D2BA012	● F026D3BA012	● F026D4BA012
● F026D2BA018	● F026D3BA018	● F026D4BA018
● F026D2BA030	● F026D3BA030	● F026D4BA030
● F026D2BA033	● F026D3BA033	● F026D4BA033
1-10V	1-10V	1-10V
○ F026D2BB001	○ F026D3BB001	○ F026D4BB001
● F026D2BB006	● F026D3BB006	● F026D4BB006
● F026D2BB012	● F026D3BB012	● F026D4BB012
● F026D2BB018	● F026D3BB018	● F026D4BB018
● F026D2BB030	● F026D3BB030	● F026D4BB030
● F026D2BB033	● F026D3BB033	● F026D4BB033
Dali	Dali	Dali
○ F026D2BD001	○ F026D3BD001	○ F026D4BD001
● F026D2BD006	● F026D3BD006	● F026D4BD006
● F026D2BD012	● F026D3BD012	● F026D4BD012
● F026D2BD018	● F026D3BD018	● F026D4BD018
● F026D2BD030	● F026D3BD030	● F026D4BD030
● F026D2BD033	● F026D3BD033	● F026D4BD033

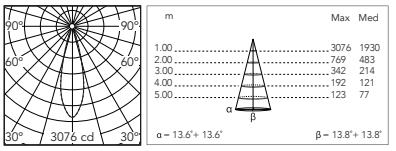


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2CA001	○ F026D3CA001	○ F026D4CA001
● F026D2CA006	● F026D3CA006	● F026D4CA006
● F026D2CA012	● F026D3CA012	● F026D4CA012
● F026D2CA018	● F026D3CA018	● F026D4CA018
● F026D2CA030	● F026D3CA030	● F026D4CA030
● F026D2CA033	● F026D3CA033	● F026D4CA033
1-10V	1-10V	1-10V
○ F026D2CB001	○ F026D3CB001	○ F026D4CB001
● F026D2CB006	● F026D3CB006	● F026D4CB006
● F026D2CB012	● F026D3CB012	● F026D4CB012
● F026D2CB018	● F026D3CB018	● F026D4CB018
● F026D2CB030	● F026D3CB030	● F026D4CB030
● F026D2CB033	● F026D3CB033	● F026D4CB033
Dali	Dali	Dali
○ F026D2CD001	○ F026D3CD001	○ F026D4CD001
● F026D2CD006	● F026D3CD006	● F026D4CD006
● F026D2CD012	● F026D3CD012	● F026D4CD012
● F026D2CD018	● F026D3CD018	● F026D4CD018
● F026D2CD030	● F026D3CD030	● F026D4CD030
● F026D2CD033	● F026D3CD033	● F026D4CD033

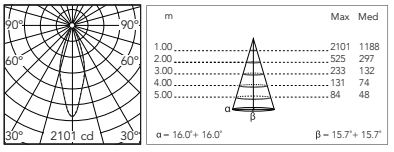


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2DA001	○ F026D3DA001	○ F026D4DA001
● F026D2DA006	● F026D3DA006	● F026D4DA006
● F026D2DA012	● F026D3DA012	● F026D4DA012
● F026D2DA018	● F026D3DA018	● F026D4DA018
● F026D2DA030	● F026D3DA030	● F026D4DA030
● F026D2DA033	● F026D3DA033	● F026D4DA033
1-10V	1-10V	1-10V
○ F026D2DB001	○ F026D3DB001	○ F026D4DB001
● F026D2DB006	● F026D3DB006	● F026D4DB006
● F026D2DB012	● F026D3DB012	● F026D4DB012
● F026D2DB018	● F026D3DB018	● F026D4DB018
● F026D2DB030	● F026D3DB030	● F026D4DB030
● F026D2DB033	● F026D3DB033	● F026D4DB033
Dali	Dali	Dali
○ F026D2DD001	○ F026D3DD001	○ F026D4DD001
● F026D2DD006	● F026D3DD006	● F026D4DD006
● F026D2DD012	● F026D3DD012	● F026D4DD012
● F026D2DD018	● F026D3DD018	● F026D4DD018
● F026D2DD030	● F026D3DD030	● F026D4DD030
● F026D2DD033	● F026D3DD033	● F026D4DD033

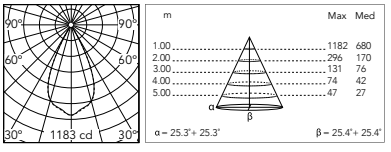


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2EA001	○ F026D3EA001	○ F026D4EA001
● F026D2EA006	● F026D3EA006	● F026D4EA006
● F026D2EA012	● F026D3EA012	● F026D4EA012
● F026D2EA018	● F026D3EA018	● F026D4EA018
● F026D2EA030	● F026D3EA030	● F026D4EA030
● F026D2EA033	● F026D3EA033	● F026D4EA033
1-10V	1-10V	1-10V
○ F026D2EB001	○ F026D3EB001	○ F026D4EB001
● F026D2EB006	● F026D3EB006	● F026D4EB006
● F026D2EB012	● F026D3EB012	● F026D4EB012
● F026D2EB018	● F026D3EB018	● F026D4EB018
● F026D2EB030	● F026D3EB030	● F026D4EB030
● F026D2EB033	● F026D3EB033	● F026D4EB033
Dali	Dali	Dali
○ F026D2ED001	○ F026D3ED001	○ F026D4ED001
● F026D2ED006	● F026D3ED006	● F026D4ED006
● F026D2ED012	● F026D3ED012	● F026D4ED012
● F026D2ED018	● F026D3ED018	● F026D4ED018
● F026D2ED030	● F026D3ED030	● F026D4ED030
● F026D2ED033	● F026D3ED033	● F026D4ED033

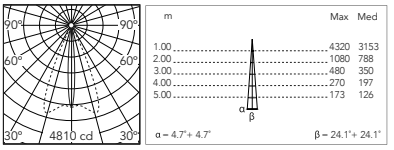


@ 3000K

Optic Elliptical 1 9,5º x 48º

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2FA001	○ F026D3FA001	○ F026D4FA001
● F026D2FA006	● F026D3FA006	● F026D4FA006
● F026D2FA012	● F026D3FA012	● F026D4FA012
● F026D2FA018	● F026D3FA018	● F026D4FA018
● F026D2FA030	● F026D3FA030	● F026D4FA030
● F026D2FA033	● F026D3FA033	● F026D4FA033
1-10V	1-10V	1-10V
○ F026D2FB001	○ F026D3FB001	○ F026D4FB001
● F026D2FB006	● F026D3FB006	● F026D4FB006
● F026D2FB012	● F026D3FB012	● F026D4FB012
● F026D2FB018	● F026D3FB018	● F026D4FB018
● F026D2FB030	● F026D3FB030	● F026D4FB030
● F026D2FB033	● F026D3FB033	● F026D4FB033
Dali	Dali	Dali
○ F026D2FD001	○ F026D3FD001	○ F026D4FD001
● F026D2FD006	● F026D3FD006	● F026D4FD006
● F026D2FD012	● F026D3FD012	● F026D4FD012
● F026D2FD018	● F026D3FD018	● F026D4FD018
● F026D2FD030	● F026D3FD030	● F026D4FD030
● F026D2FD033	● F026D3FD033	● F026D4FD033

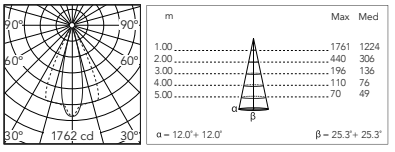


@ 3000K

Optic Elliptical 2 24º x 50º

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2GA001	○ F026D3GA001	○ F026D4GA001
● F026D2GA006	● F026D3GA006	● F026D4GA006
● F026D2GA012	● F026D3GA012	● F026D4GA012
● F026D2GA018	● F026D3GA018	● F026D4GA018
● F026D2GA030	● F026D3GA030	● F026D4GA030
● F026D2GA033	● F026D3GA033	● F026D4GA033
1-10V	1-10V	1-10V
○ F026D2GB001	○ F026D3GB001	○ F026D4GB001
● F026D2GB006	● F026D3GB006	● F026D4GB006
● F026D2GB012	● F026D3GB012	● F026D4GB012
● F026D2GB018	● F026D3GB018	● F026D4GB018
● F026D2GB030	● F026D3GB030	● F026D4GB030
● F026D2GB033	● F026D3GB033	● F026D4GB033
Dali	Dali	Dali
○ F026D2GD001	○ F026D3GD001	○ F026D4GD001
● F026D2GD006	● F026D3GD006	● F026D4GD006
● F026D2GD012	● F026D3GD012	● F026D4GD012
● F026D2GD018	● F026D3GD018	● F026D4GD018
● F026D2GD030	● F026D3GD030	● F026D4GD030
● F026D2GD033	● F026D3GD033	● F026D4GD033

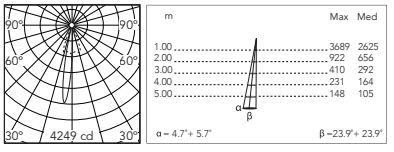


@ 3000K

Optic Wall Washer

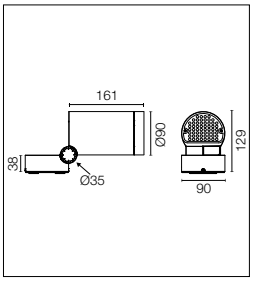
Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

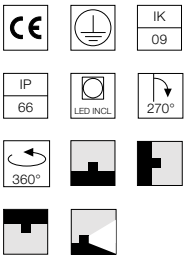
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026D2HA001	○ F026D3HA001	○ F026D4HA001
● F026D2HA006	● F026D3HA006	● F026D4HA006
● F026D2HA012	● F026D3HA012	● F026D4HA012
● F026D2HA018	● F026D3HA018	● F026D4HA018
● F026D2HA030	● F026D3HA030	● F026D4HA030
● F026D2HA033	● F026D3HA033	● F026D4HA033
1-10V	1-10V	1-10V
○ F026D2HB001	○ F026D3HB001	○ F026D4HB001
● F026D2HB006	● F026D3HB006	● F026D4HB006
● F026D2HB012	● F026D3HB012	● F026D4HB012
● F026D2HB018	● F026D3HB018	● F026D4HB018
● F026D2HB030	● F026D3HB030	● F026D4HB030
● F026D2HB033	● F026D3HB033	● F026D4HB033
Dali	Dali	Dali
○ F026D2HD001	○ F026D3HD001	○ F026D4HD001
● F026D2HD006	● F026D3HD006	● F026D4HD006
● F026D2HD012	● F026D3HD012	● F026D4HD012
● F026D2HD018	● F026D3HD018	● F026D4HD018
● F026D2HD030	● F026D3HD030	● F026D4HD030
● F026D2HD033	● F026D3HD033	● F026D4HD033



@ 3000K







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

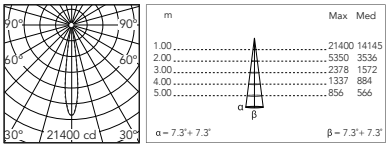
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2BA001	○ F026E3BA001	○ F026E4BA001
● F026E2BA006	● F026E3BA006	● F026E4BA006
● F026E2BA012	● F026E3BA012	● F026E4BA012
● F026E2BA018	● F026E3BA018	● F026E4BA018
● F026E2BA030	● F026E3BA030	● F026E4BA030
● F026E2BA033	● F026E3BA033	● F026E4BA033
1-10V	1-10V	1-10V
○ F026E2BB001	○ F026E3BB001	○ F026E4BB001
● F026E2BB006	● F026E3BB006	● F026E4BB006
● F026E2BB012	● F026E3BB012	● F026E4BB012
● F026E2BB018	● F026E3BB018	● F026E4BB018
● F026E2BB030	● F026E3BB030	● F026E4BB030
● F026E2BB033	● F026E3BB033	● F026E4BB033
Dali	Dali	Dali
○ F026E2BD001	○ F026E3BD001	○ F026E4BD001
● F026E2BD006	● F026E3BD006	● F026E4BD006
● F026E2BD012	● F026E3BD012	● F026E4BD012
● F026E2BD018	● F026E3BD018	● F026E4BD018
● F026E2BD030	● F026E3BD030	● F026E4BD030
● F026E2BD033	● F026E3BD033	● F026E4BD033

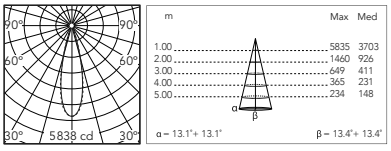


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2CA001	○ F026E3CA001	○ F026E4CA001
● F026E2CA006	● F026E3CA006	● F026E4CA006
● F026E2CA012	● F026E3CA012	● F026E4CA012
● F026E2CA018	● F026E3CA018	● F026E4CA018
● F026E2CA030	● F026E3CA030	● F026E4CA030
● F026E2CA033	● F026E3CA033	● F026E4CA033
1-10V	1-10V	1-10V
○ F026E2CB001	○ F026E3CB001	○ F026E4CB001
● F026E2CB006	● F026E3CB006	● F026E4CB006
● F026E2CB012	● F026E3CB012	● F026E4CB012
● F026E2CB018	● F026E3CB018	● F026E4CB018
● F026E2CB030	● F026E3CB030	● F026E4CB030
● F026E2CB033	● F026E3CB033	● F026E4CB033
Dali	Dali	Dali
○ F026E2CD001	○ F026E3CD001	○ F026E4CD001
● F026E2CD006	● F026E3CD006	● F026E4CD006
● F026E2CD012	● F026E3CD012	● F026E4CD012
● F026E2CD018	● F026E3CD018	● F026E4CD018
● F026E2CD030	● F026E3CD030	● F026E4CD030
● F026E2CD033	● F026E3CD033	● F026E4CD033

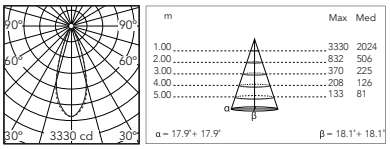


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2DA001	○ F026E3DA001	○ F026E4DA001
● F026E2DA006	● F026E3DA006	● F026E4DA006
● F026E2DA012	● F026E3DA012	● F026E4DA012
● F026E2DA018	● F026E3DA018	● F026E4DA018
● F026E2DA030	● F026E3DA030	● F026E4DA030
● F026E2DA033	● F026E3DA033	● F026E4DA033
1-10V	1-10V	1-10V
○ F026E2DB001	○ F026E3DB001	○ F026E4DB001
● F026E2DB006	● F026E3DB006	● F026E4DB006
● F026E2DB012	● F026E3DB012	● F026E4DB012
● F026E2DB018	● F026E3DB018	● F026E4DB018
● F026E2DB030	● F026E3DB030	● F026E4DB030
● F026E2DB033	● F026E3DB033	● F026E4DB033
Dali	Dali	Dali
○ F026E2DD001	○ F026E3DD001	○ F026E4DD001
● F026E2DD006	● F026E3DD006	● F026E4DD006
● F026E2DD012	● F026E3DD012	● F026E4DD012
● F026E2DD018	● F026E3DD018	● F026E4DD018
● F026E2DD030	● F026E3DD030	● F026E4DD030
● F026E2DD033	● F026E3DD033	● F026E4DD033

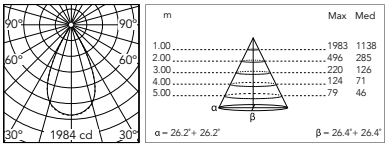


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2EA001	○ F026E3EA001	○ F026E4EA001
● F026E2EA006	● F026E3EA006	● F026E4EA006
● F026E2EA012	● F026E3EA012	● F026E4EA012
● F026E2EA018	● F026E3EA018	● F026E4EA018
● F026E2EA030	● F026E3EA030	● F026E4EA030
● F026E2EA033	● F026E3EA033	● F026E4EA033
1-10V	1-10V	1-10V
○ F026E2EB001	○ F026E3EB001	○ F026E4EB001
● F026E2EB006	● F026E3EB006	● F026E4EB006
● F026E2EB012	● F026E3EB012	● F026E4EB012
● F026E2EB018	● F026E3EB018	● F026E4EB018
● F026E2EB030	● F026E3EB030	● F026E4EB030
● F026E2EB033	● F026E3EB033	● F026E4EB033
Dali	Dali	Dali
○ F026E2ED001	○ F026E3ED001	○ F026E4ED001
● F026E2ED006	● F026E3ED006	● F026E4ED006
● F026E2ED012	● F026E3ED012	● F026E4ED012
● F026E2ED018	● F026E3ED018	● F026E4ED018
● F026E2ED030	● F026E3ED030	● F026E4ED030
● F026E2ED033	● F026E3ED033	● F026E4ED033

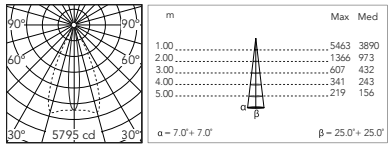


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2FA001	○ F026E3FA001	○ F026E4FA001
● F026E2FA006	● F026E3FA006	● F026E4FA006
● F026E2FA012	● F026E3FA012	● F026E4FA012
● F026E2FA018	● F026E3FA018	● F026E4FA018
● F026E2FA030	● F026E3FA030	● F026E4FA030
● F026E2FA033	● F026E3FA033	● F026E4FA033
1-10V	1-10V	1-10V
○ F026E2FB001	○ F026E3FB001	○ F026E4FB001
● F026E2FB006	● F026E3FB006	● F026E4FB006
● F026E2FB012	● F026E3FB012	● F026E4FB012
● F026E2FB018	● F026E3FB018	● F026E4FB018
● F026E2FB030	● F026E3FB030	● F026E4FB030
● F026E2FB033	● F026E3FB033	● F026E4FB033
Dali	Dali	Dali
○ F026E2FD001	○ F026E3FD001	○ F026E4FD001
● F026E2FD006	● F026E3FD006	● F026E4FD006
● F026E2FD012	● F026E3FD012	● F026E4FD012
● F026E2FD018	● F026E3FD018	● F026E4FD018
● F026E2FD030	● F026E3FD030	● F026E4FD030
● F026E2FD033	● F026E3FD033	● F026E4FD033



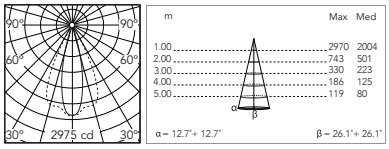
@ 3000K

Spine 2 Pro Hp

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2GA001	○ F026E3GA001	○ F026E4GA001
● F026E2GA006	● F026E3GA006	● F026E4GA006
● F026E2GA012	● F026E3GA012	● F026E4GA012
● F026E2GA018	● F026E3GA018	● F026E4GA018
● F026E2GA030	● F026E3GA030	● F026E4GA030
● F026E2GA033	● F026E3GA033	● F026E4GA033
1-10V	1-10V	1-10V
○ F026E2GB001	○ F026E3GB001	○ F026E4GB001
● F026E2GB006	● F026E3GB006	● F026E4GB006
● F026E2GB012	● F026E3GB012	● F026E4GB012
● F026E2GB018	● F026E3GB018	● F026E4GB018
● F026E2GB030	● F026E3GB030	● F026E4GB030
● F026E2GB033	● F026E3GB033	● F026E4GB033
Dali	Dali	Dali
○ F026E2GD001	○ F026E3GD001	○ F026E4GD001
● F026E2GD006	● F026E3GD006	● F026E4GD006
● F026E2GD012	● F026E3GD012	● F026E4GD012
● F026E2GD018	● F026E3GD018	● F026E4GD018
● F026E2GD030	● F026E3GD030	● F026E4GD030
● F026E2GD033	● F026E3GD033	● F026E4GD033

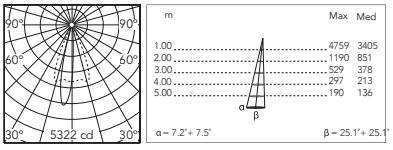


@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

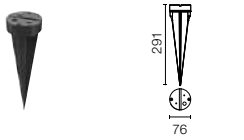
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026E2HA001	○ F026E3HA001	○ F026E4HA001
● F026E2HA006	● F026E3HA006	● F026E4HA006
● F026E2HA012	● F026E3HA012	● F026E4HA012
● F026E2HA018	● F026E3HA018	● F026E4HA018
● F026E2HA030	● F026E3HA030	● F026E4HA030
● F026E2HA033	● F026E3HA033	● F026E4HA033
1-10V	1-10V	1-10V
○ F026E2HB001	○ F026E3HB001	○ F026E4HB001
● F026E2HB006	● F026E3HB006	● F026E4HB006
● F026E2HB012	● F026E3HB012	● F026E4HB012
● F026E2HB018	● F026E3HB018	● F026E4HB018
● F026E2HB030	● F026E3HB030	● F026E4HB030
● F026E2HB033	● F026E3HB033	● F026E4HB033
Dali	Dali	Dali
○ F026E2HD001	○ F026E3HD001	○ F026E4HD001
● F026E2HD006	● F026E3HD006	● F026E4HD006
● F026E2HD012	● F026E3HD012	● F026E4HD012
● F026E2HD018	● F026E3HD018	● F026E4HD018
● F026E2HD030	● F026E3HD030	● F026E4HD030
● F026E2HD033	● F026E3HD033	● F026E4HD033



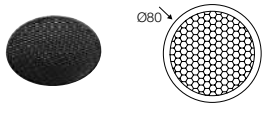
@ 3000K

Spine 2 Pro: Accessori / Accessories

Picchetto per installazione nel terreno.	Ground spike.	F026Z010000



Honeycomb	Honeycomb Louvre	F026Z060000



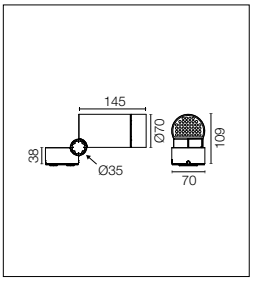
Lenti converter / Converter lenses:

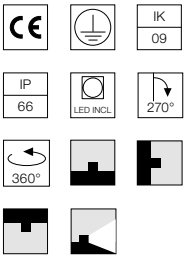
- Converter Spine 2 Optic Medium Flood	F029Z020000
- Converter Spine 2 Optic Flood	F029Z021000
- Converter Spine 2 Optic Wide Flood	F029Z022000
- Converter Spine 2 Optic Elliptic 1	F029Z023000
- Converter Spine 2 Optic Elliptic 2	F029Z024000
- Converter Spine 2 Optic Wall Washer	F029Z025000



Spine 1 Ultra







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

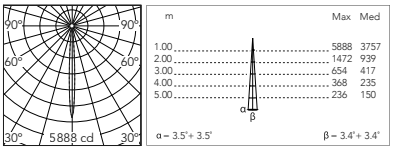
Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025B2AA001	○ F025B3AA001	○ F025B4AA001
● F025B2AA006	● F025B3AA006	● F025B4AA006
● F025B2AA012	● F025B3AA012	● F025B4AA012
● F025B2AA018	● F025B3AA018	● F025B4AA018
● F025B2AA030	● F025B3AA030	● F025B4AA030
● F025B2AA033	● F025B3AA033	● F025B4AA033

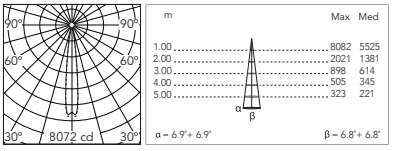


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025B2BA001	○ F025B3BA001	○ F025B4BA001
● F025B2BA006	● F025B3BA006	● F025B4BA006
● F025B2BA012	● F025B3BA012	● F025B4BA012
● F025B2BA018	● F025B3BA018	● F025B4BA018
● F025B2BA030	● F025B3BA030	● F025B4BA030
● F025B2BA033	● F025B3BA033	● F025B4BA033

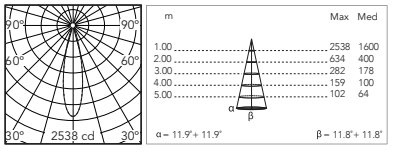


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025B2CA001	○ F025B3CA001	○ F025B4CA001
● F025B2CA006	● F025B3CA006	● F025B4CA006
● F025B2CA012	● F025B3CA012	● F025B4CA012
● F025B2CA018	● F025B3CA018	● F025B4CA018
● F025B2CA030	● F025B3CA030	● F025B4CA030
● F025B2CA033	● F025B3CA033	● F025B4CA033

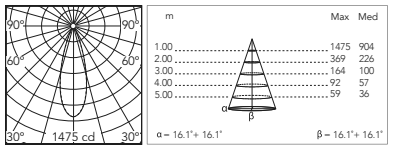


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025B2DA001	○ F025B3DA001	○ F025B4DA001
● F025B2DA006	● F025B3DA006	● F025B4DA006
● F025B2DA012	● F025B3DA012	● F025B4DA012
● F025B2DA018	● F025B3DA018	● F025B4DA018
● F025B2DA030	● F025B3DA030	● F025B4DA030
● F025B2DA033	● F025B3DA033	● F025B4DA033

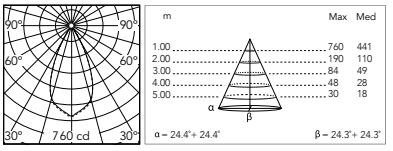


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025B2EA001	F025B3EA001	F025B4EA001
F025B2EA006	F025B3EA006	F025B4EA006
F025B2EA012	F025B3EA012	F025B4EA012
F025B2EA018	F025B3EA018	F025B4EA018
F025B2EA030	F025B3EA030	F025B4EA030
F025B2EA033	F025B3EA033	F025B4EA033

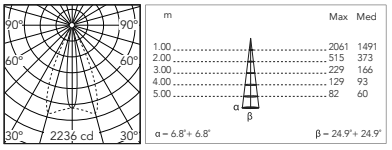


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025B2FA001	F025B3FA001	F025B4FA001
F025B2FA006	F025B3FA006	F025B4FA006
F025B2FA012	F025B3FA012	F025B4FA012
F025B2FA018	F025B3FA018	F025B4FA018
F025B2FA030	F025B3FA030	F025B4FA030
F025B2FA033	F025B3FA033	F025B4FA033

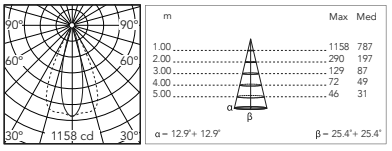


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025B2GA001	F025B3GA001	F025B4GA001
F025B2GA006	F025B3GA006	F025B4GA006
F025B2GA012	F025B3GA012	F025B4GA012
F025B2GA018	F025B3GA018	F025B4GA018
F025B2GA030	F025B3GA030	F025B4GA030
F025B2GA033	F025B3GA033	F025B4GA033

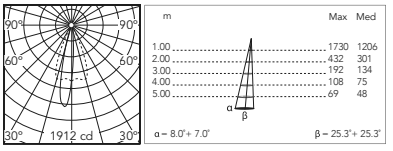


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

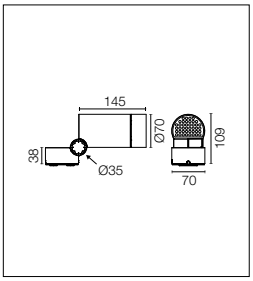
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025B2HA001	F025B3HA001	F025B4HA001
F025B2HA006	F025B3HA006	F025B4HA006
F025B2HA012	F025B3HA012	F025B4HA012
F025B2HA018	F025B3HA018	F025B4HA018
F025B2HA030	F025B3HA030	F025B4HA030
F025B2HA033	F025B3HA033	F025B4HA033

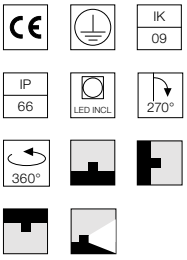


@ 3000K

Spine 1 Ultra Hp







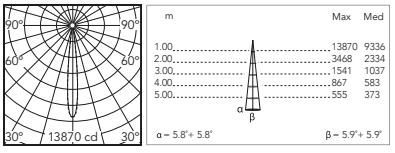
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025C2BA001	○ F025C3BA001	○ F025C4BA001
● F025C2BA006	● F025C3BA006	● F025C4BA006
● F025C2BA012	● F025C3BA012	● F025C4BA012
● F025C2BA018	● F025C3BA018	● F025C4BA018
● F025C2BA030	● F025C3BA030	● F025C4BA030
● F025C2BA033	● F025C3BA033	● F025C4BA033

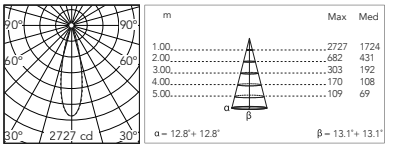


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025C2CA001	○ F025C3CA001	○ F025C4CA001
● F025C2CA006	● F025C3CA006	● F025C4CA006
● F025C2CA012	● F025C3CA012	● F025C4CA012
● F025C2CA018	● F025C3CA018	● F025C4CA018
● F025C2CA030	● F025C3CA030	● F025C4CA030
● F025C2CA033	● F025C3CA033	● F025C4CA033

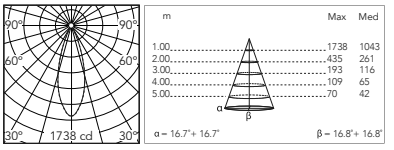


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025C2DA001	○ F025C3DA001	○ F025C4DA001
● F025C2DA006	● F025C3DA006	● F025C4DA006
● F025C2DA012	● F025C3DA012	● F025C4DA012
● F025C2DA018	● F025C3DA018	● F025C4DA018
● F025C2DA030	● F025C3DA030	● F025C4DA030
● F025C2DA033	● F025C3DA033	● F025C4DA033

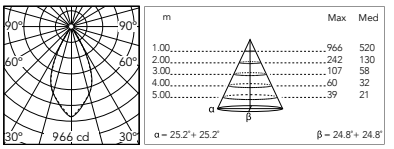


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025C2EA001	○ F025C3EA001	○ F025C4EA001
● F025C2EA006	● F025C3EA006	● F025C4EA006
● F025C2EA012	● F025C3EA012	● F025C4EA012
● F025C2EA018	● F025C3EA018	● F025C4EA018
● F025C2EA030	● F025C3EA030	● F025C4EA030
● F025C2EA033	● F025C3EA033	● F025C4EA033



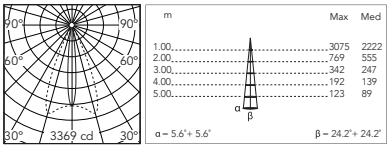
@ 3000K

Spine 1 Ultra Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025C2FA001	○ F025C3FA001	○ F025C4FA001
● F025C2FA006	● F025C3FA006	● F025C4FA006
● F025C2FA012	● F025C3FA012	● F025C4FA012
● F025C2FA018	● F025C3FA018	● F025C4FA018
● F025C2FA030	● F025C3FA030	● F025C4FA030
● F025C2FA033	● F025C3FA033	● F025C4FA033

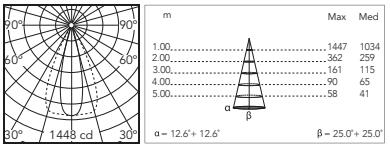


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025C2GA001	○ F025C3GA001	○ F025C4GA001
● F025C2GA006	● F025C3GA006	● F025C4GA006
● F025C2GA012	● F025C3GA012	● F025C4GA012
● F025C2GA018	● F025C3GA018	● F025C4GA018
● F025C2GA030	● F025C3GA030	● F025C4GA030
● F025C2GA033	● F025C3GA033	● F025C4GA033

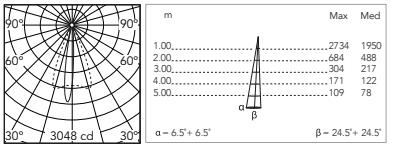


@ 3000K

Optic Wall Washer

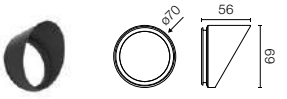
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025C2HA001	○ F025C3HA001	○ F025C4HA001
● F025C2HA006	● F025C3HA006	● F025C4HA006
● F025C2HA012	● F025C3HA012	● F025C4HA012
● F025C2HA018	● F025C3HA018	● F025C4HA018
● F025C2HA030	● F025C3HA030	● F025C4HA030
● F025C2HA033	● F025C3HA033	● F025C4HA033



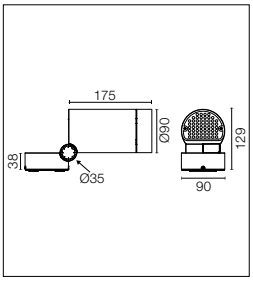
@ 3000K

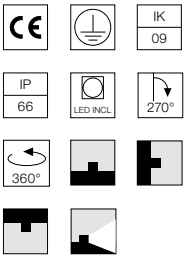
Spine 1 Ultra: Accessori / Accessories

Visor	Visor	○ F025Z050001 ● F025Z050006 ● F025Z050012 ● F025Z050018 ● F025Z050030 ● F025Z050033	
Picchetto per installazione nel terreno.	Ground spike.	F026Z010000	
Honeycomb	Honeycomb Louvre	F025Z060000	
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000	

Spine 2 Ultra







Sorgente Power LED. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

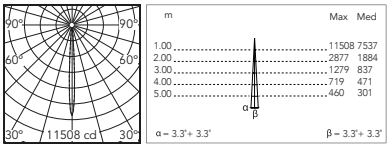
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2AA001	○ F026B3AA001	○ F026B4AA001
● F026B2AA006	● F026B3AA006	● F026B4AA006
● F026B2AA012	● F026B3AA012	● F026B4AA012
● F026B2AA018	● F026B3AA018	● F026B4AA018
● F026B2AA030	● F026B3AA030	● F026B4AA030
● F026B2AA033	● F026B3AA033	● F026B4AA033
1-10V	1-10V	1-10V
○ F026B2AB001	○ F026B3AB001	○ F026B4AB001
● F026B2AB006	● F026B3AB006	● F026B4AB006
● F026B2AB012	● F026B3AB012	● F026B4AB012
● F026B2AB018	● F026B3AB018	● F026B4AB018
● F026B2AB030	● F026B3AB030	● F026B4AB030
● F026B2AB033	● F026B3AB033	● F026B4AB033
Dali	Dali	Dali
○ F026B2AD001	○ F026B3AD001	○ F026B4AD001
● F026B2AD006	● F026B3AD006	● F026B4AD006
● F026B2AD012	● F026B3AD012	● F026B4AD012
● F026B2AD018	● F026B3AD018	● F026B4AD018
● F026B2AD030	● F026B3AD030	● F026B4AD030
● F026B2AD033	● F026B3AD033	● F026B4AD033

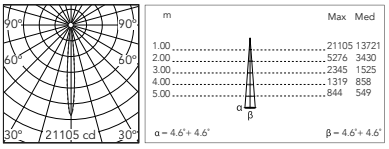


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2BA001	○ F026B3BA001	○ F026B4BA001
● F026B2BA006	● F026B3BA006	● F026B4BA006
● F026B2BA012	● F026B3BA012	● F026B4BA012
● F026B2BA018	● F026B3BA018	● F026B4BA018
● F026B2BA030	● F026B3BA030	● F026B4BA030
● F026B2BA033	● F026B3BA033	● F026B4BA033
1-10V	1-10V	1-10V
○ F026B2BB001	○ F026B3BB001	○ F026B4BB001
● F026B2BB006	● F026B3BB006	● F026B4BB006
● F026B2BB012	● F026B3BB012	● F026B4BB012
● F026B2BB018	● F026B3BB018	● F026B4BB018
● F026B2BB030	● F026B3BB030	● F026B4BB030
● F026B2BB033	● F026B3BB033	● F026B4BB033
Dali	Dali	Dali
○ F026B2BD001	○ F026B3BD001	○ F026B4BD001
● F026B2BD006	● F026B3BD006	● F026B4BD006
● F026B2BD012	● F026B3BD012	● F026B4BD012
● F026B2BD018	● F026B3BD018	● F026B4BD018
● F026B2BD030	● F026B3BD030	● F026B4BD030
● F026B2BD033	● F026B3BD033	● F026B4BD033

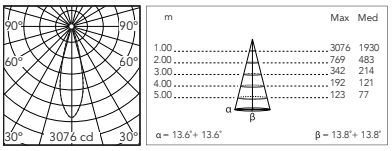


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2CA001	○ F026B3CA001	○ F026B4CA001
● F026B2CA006	● F026B3CA006	● F026B4CA006
● F026B2CA012	● F026B3CA012	● F026B4CA012
● F026B2CA018	● F026B3CA018	● F026B4CA018
● F026B2CA030	● F026B3CA030	● F026B4CA030
● F026B2CA033	● F026B3CA033	● F026B4CA033
1-10V	1-10V	1-10V
○ F026B2CB001	○ F026B3CB001	○ F026B4CB001
● F026B2CB006	● F026B3CB006	● F026B4CB006
● F026B2CB012	● F026B3CB012	● F026B4CB012
● F026B2CB018	● F026B3CB018	● F026B4CB018
● F026B2CB030	● F026B3CB030	● F026B4CB030
● F026B2CB033	● F026B3CB033	● F026B4CB033
Dali	Dali	Dali
○ F026B2CD001	○ F026B3CD001	○ F026B4CD001
● F026B2CD006	● F026B3CD006	● F026B4CD006
● F026B2CD012	● F026B3CD012	● F026B4CD012
● F026B2CD018	● F026B3CD018	● F026B4CD018
● F026B2CD030	● F026B3CD030	● F026B4CD030
● F026B2CD033	● F026B3CD033	● F026B4CD033

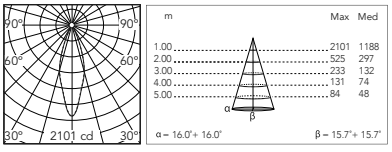


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2DA001	○ F026B3DA001	○ F026B4DA001
● F026B2DA006	● F026B3DA006	● F026B4DA006
● F026B2DA012	● F026B3DA012	● F026B4DA012
● F026B2DA018	● F026B3DA018	● F026B4DA018
● F026B2DA030	● F026B3DA030	● F026B4DA030
● F026B2DA033	● F026B3DA033	● F026B4DA033
1-10V	1-10V	1-10V
○ F026B2DB001	○ F026B3DB001	○ F026B4DB001
● F026B2DB006	● F026B3DB006	● F026B4DB006
● F026B2DB012	● F026B3DB012	● F026B4DB012
● F026B2DB018	● F026B3DB018	● F026B4DB018
● F026B2DB030	● F026B3DB030	● F026B4DB030
● F026B2DB033	● F026B3DB033	● F026B4DB033
Dali	Dali	Dali
○ F026B2DD001	○ F026B3DD001	○ F026B4DD001
● F026B2DD006	● F026B3DD006	● F026B4DD006
● F026B2DD012	● F026B3DD012	● F026B4DD012
● F026B2DD018	● F026B3DD018	● F026B4DD018
● F026B2DD030	● F026B3DD030	● F026B4DD030
● F026B2DD033	● F026B3DD033	● F026B4DD033

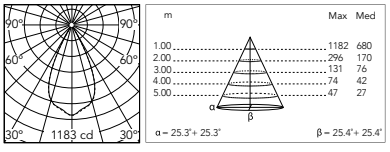


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2EA001	○ F026B3EA001	○ F026B4EA001
● F026B2EA006	● F026B3EA006	● F026B4EA006
● F026B2EA012	● F026B3EA012	● F026B4EA012
● F026B2EA018	● F026B3EA018	● F026B4EA018
● F026B2EA030	● F026B3EA030	● F026B4EA030
● F026B2EA033	● F026B3EA033	● F026B4EA033
1-10V	1-10V	1-10V
○ F026B2EB001	○ F026B3EB001	○ F026B4EB001
● F026B2EB006	● F026B3EB006	● F026B4EB006
● F026B2EB012	● F026B3EB012	● F026B4EB012
● F026B2EB018	● F026B3EB018	● F026B4EB018
● F026B2EB030	● F026B3EB030	● F026B4EB030
● F026B2EB033	● F026B3EB033	● F026B4EB033
Dali	Dali	Dali
○ F026B2ED001	○ F026B3ED001	○ F026B4ED001
● F026B2ED006	● F026B3ED006	● F026B4ED006
● F026B2ED012	● F026B3ED012	● F026B4ED012
● F026B2ED018	● F026B3ED018	● F026B4ED018
● F026B2ED030	● F026B3ED030	● F026B4ED030
● F026B2ED033	● F026B3ED033	● F026B4ED033



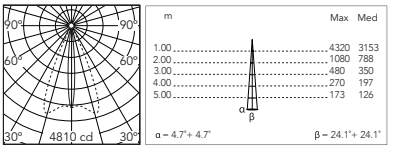
@ 3000K

Spine 2 Ultra

Optic Elliptical 1 9,5º x 48º

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2FA001	○ F026B3FA001	○ F026B4FA001
● F026B2FA006	● F026B3FA006	● F026B4FA006
● F026B2FA012	● F026B3FA012	● F026B4FA012
● F026B2FA018	● F026B3FA018	● F026B4FA018
● F026B2FA030	● F026B3FA030	● F026B4FA030
● F026B2FA033	● F026B3FA033	● F026B4FA033
1-10V	1-10V	1-10V
○ F026B2FB001	○ F026B3FB001	○ F026B4FB001
● F026B2FB006	● F026B3FB006	● F026B4FB006
● F026B2FB012	● F026B3FB012	● F026B4FB012
● F026B2FB018	● F026B3FB018	● F026B4FB018
● F026B2FB030	● F026B3FB030	● F026B4FB030
● F026B2FB033	● F026B3FB033	● F026B4FB033
Dali	Dali	Dali
○ F026B2FD001	○ F026B3FD001	○ F026B4FD001
● F026B2FD006	● F026B3FD006	● F026B4FD006
● F026B2FD012	● F026B3FD012	● F026B4FD012
● F026B2FD018	● F026B3FD018	● F026B4FD018
● F026B2FD030	● F026B3FD030	● F026B4FD030
● F026B2FD033	● F026B3FD033	● F026B4FD033

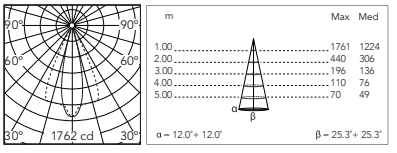


@ 3000K

Optic Elliptical 2 24º x 50º

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2GA001	○ F026B3GA001	○ F026B4GA001
● F026B2GA006	● F026B3GA006	● F026B4GA006
● F026B2GA012	● F026B3GA012	● F026B4GA012
● F026B2GA018	● F026B3GA018	● F026B4GA018
● F026B2GA030	● F026B3GA030	● F026B4GA030
● F026B2GA033	● F026B3GA033	● F026B4GA033
1-10V	1-10V	1-10V
○ F026B2GB001	○ F026B3GB001	○ F026B4GB001
● F026B2GB006	● F026B3GB006	● F026B4GB006
● F026B2GB012	● F026B3GB012	● F026B4GB012
● F026B2GB018	● F026B3GB018	● F026B4GB018
● F026B2GB030	● F026B3GB030	● F026B4GB030
● F026B2GB033	● F026B3GB033	● F026B4GB033
Dali	Dali	Dali
○ F026B2GD001	○ F026B3GD001	○ F026B4GD001
● F026B2GD006	● F026B3GD006	● F026B4GD006
● F026B2GD012	● F026B3GD012	● F026B4GD012
● F026B2GD018	● F026B3GD018	● F026B4GD018
● F026B2GD030	● F026B3GD030	● F026B4GD030
● F026B2GD033	● F026B3GD033	● F026B4GD033

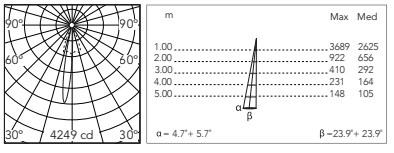


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

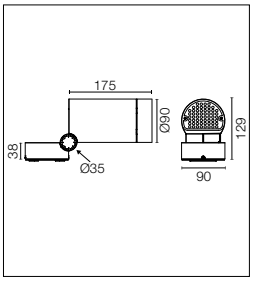
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026B2HA001	○ F026B3HA001	○ F026B4HA001
● F026B2HA006	● F026B3HA006	● F026B4HA006
● F026B2HA012	● F026B3HA012	● F026B4HA012
● F026B2HA018	● F026B3HA018	● F026B4HA018
● F026B2HA030	● F026B3HA030	● F026B4HA030
● F026B2HA033	● F026B3HA033	● F026B4HA033
1-10V	1-10V	1-10V
○ F026B2HB001	○ F026B3HB001	○ F026B4HB001
● F026B2HB006	● F026B3HB006	● F026B4HB006
● F026B2HB012	● F026B3HB012	● F026B4HB012
● F026B2HB018	● F026B3HB018	● F026B4HB018
● F026B2HB030	● F026B3HB030	● F026B4HB030
● F026B2HB033	● F026B3HB033	● F026B4HB033
Dali	Dali	Dali
○ F026B2HD001	○ F026B3HD001	○ F026B4HD001
● F026B2HD006	● F026B3HD006	● F026B4HD006
● F026B2HD012	● F026B3HD012	● F026B4HD012
● F026B2HD018	● F026B3HD018	● F026B4HD018
● F026B2HD030	● F026B3HD030	● F026B4HD030
● F026B2HD033	● F026B3HD033	● F026B4HD033

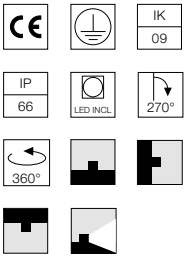


@ 3000K

Spine 2 Ultra Hp







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Base di fissaggio inclusa. Connessione elettrica da effettuarsi all'interno della base tramite connettore a tenuta stagna incluso; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

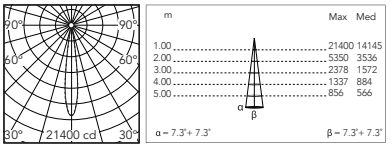
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2BA001	○ F026C3BA001	○ F026C4BA001
● F026C2BA006	● F026C3BA006	● F026C4BA006
● F026C2BA012	● F026C3BA012	● F026C4BA012
● F026C2BA018	● F026C3BA018	● F026C4BA018
● F026C2BA030	● F026C3BA030	● F026C4BA030
● F026C2BA033	● F026C3BA033	● F026C4BA033
1-10V	1-10V	1-10V
○ F026C2BB001	○ F026C3BB001	○ F026C4BB001
● F026C2BB006	● F026C3BB006	● F026C4BB006
● F026C2BB012	● F026C3BB012	● F026C4BB012
● F026C2BB018	● F026C3BB018	● F026C4BB018
● F026C2BB030	● F026C3BB030	● F026C4BB030
● F026C2BB033	● F026C3BB033	● F026C4BB033
Dali	Dali	Dali
○ F026C2BD001	○ F026C3BD001	○ F026C4BD001
● F026C2BD006	● F026C3BD006	● F026C4BD006
● F026C2BD012	● F026C3BD012	● F026C4BD012
● F026C2BD018	● F026C3BD018	● F026C4BD018
● F026C2BD030	● F026C3BD030	● F026C4BD030
● F026C2BD033	● F026C3BD033	● F026C4BD033

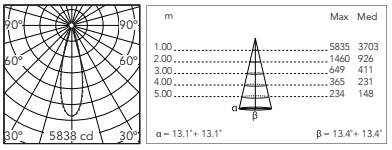


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2CA001	○ F026C3CA001	○ F026C4CA001
● F026C2CA006	● F026C3CA006	● F026C4CA006
● F026C2CA012	● F026C3CA012	● F026C4CA012
● F026C2CA018	● F026C3CA018	● F026C4CA018
● F026C2CA030	● F026C3CA030	● F026C4CA030
● F026C2CA033	● F026C3CA033	● F026C4CA033
1-10V	1-10V	1-10V
○ F026C2CB001	○ F026C3CB001	○ F026C4CB001
● F026C2CB006	● F026C3CB006	● F026C4CB006
● F026C2CB012	● F026C3CB012	● F026C4CB012
● F026C2CB018	● F026C3CB018	● F026C4CB018
● F026C2CB030	● F026C3CB030	● F026C4CB030
● F026C2CB033	● F026C3CB033	● F026C4CB033
Dali	Dali	Dali
○ F026C2CD001	○ F026C3CD001	○ F026C4CD001
● F026C2CD006	● F026C3CD006	● F026C4CD006
● F026C2CD012	● F026C3CD012	● F026C4CD012
● F026C2CD018	● F026C3CD018	● F026C4CD018
● F026C2CD030	● F026C3CD030	● F026C4CD030
● F026C2CD033	● F026C3CD033	● F026C4CD033

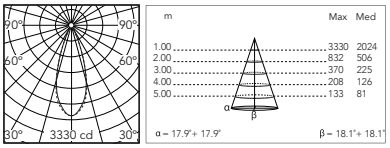


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2DA001	○ F026C3DA001	○ F026C4DA001
● F026C2DA006	● F026C3DA006	● F026C4DA006
● F026C2DA012	● F026C3DA012	● F026C4DA012
● F026C2DA018	● F026C3DA018	● F026C4DA018
● F026C2DA030	● F026C3DA030	● F026C4DA030
● F026C2DA033	● F026C3DA033	● F026C4DA033
1-10V	1-10V	1-10V
○ F026C2DB001	○ F026C3DB001	○ F026C4DB001
● F026C2DB006	● F026C3DB006	● F026C4DB006
● F026C2DB012	● F026C3DB012	● F026C4DB012
● F026C2DB018	● F026C3DB018	● F026C4DB018
● F026C2DB030	● F026C3DB030	● F026C4DB030
● F026C2DB033	● F026C3DB033	● F026C4DB033
Dali	Dali	Dali
○ F026C2DD001	○ F026C3DD001	○ F026C4DD001
● F026C2DD006	● F026C3DD006	● F026C4DD006
● F026C2DD012	● F026C3DD012	● F026C4DD012
● F026C2DD018	● F026C3DD018	● F026C4DD018
● F026C2DD030	● F026C3DD030	● F026C4DD030
● F026C2DD033	● F026C3DD033	● F026C4DD033

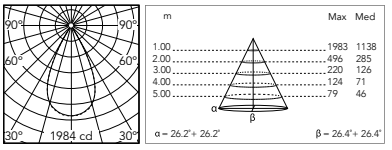


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2EA001	○ F026C3EA001	○ F026C4EA001
● F026C2EA006	● F026C3EA006	● F026C4EA006
● F026C2EA012	● F026C3EA012	● F026C4EA012
● F026C2EA018	● F026C3EA018	● F026C4EA018
● F026C2EA030	● F026C3EA030	● F026C4EA030
● F026C2EA033	● F026C3EA033	● F026C4EA033
1-10V	1-10V	1-10V
○ F026C2EB001	○ F026C3EB001	○ F026C4EB001
● F026C2EB006	● F026C3EB006	● F026C4EB006
● F026C2EB012	● F026C3EB012	● F026C4EB012
● F026C2EB018	● F026C3EB018	● F026C4EB018
● F026C2EB030	● F026C3EB030	● F026C4EB030
● F026C2EB033	● F026C3EB033	● F026C4EB033
Dali	Dali	Dali
○ F026C2ED001	○ F026C3ED001	○ F026C4ED001
● F026C2ED006	● F026C3ED006	● F026C4ED006
● F026C2ED012	● F026C3ED012	● F026C4ED012
● F026C2ED018	● F026C3ED018	● F026C4ED018
● F026C2ED030	● F026C3ED030	● F026C4ED030
● F026C2ED033	● F026C3ED033	● F026C4ED033

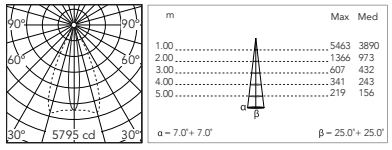


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2FA001	○ F026C3FA001	○ F026C4FA001
● F026C2FA006	● F026C3FA006	● F026C4FA006
● F026C2FA012	● F026C3FA012	● F026C4FA012
● F026C2FA018	● F026C3FA018	● F026C4FA018
● F026C2FA030	● F026C3FA030	● F026C4FA030
● F026C2FA033	● F026C3FA033	● F026C4FA033
1-10V	1-10V	1-10V
○ F026C2FB001	○ F026C3FB001	○ F026C4FB001
● F026C2FB006	● F026C3FB006	● F026C4FB006
● F026C2FB012	● F026C3FB012	● F026C4FB012
● F026C2FB018	● F026C3FB018	● F026C4FB018
● F026C2FB030	● F026C3FB030	● F026C4FB030
● F026C2FB033	● F026C3FB033	● F026C4FB033
Dali	Dali	Dali
○ F026C2FD001	○ F026C3FD001	○ F026C4FD001
● F026C2FD006	● F026C3FD006	● F026C4FD006
● F026C2FD012	● F026C3FD012	● F026C4FD012
● F026C2FD018	● F026C3FD018	● F026C4FD018
● F026C2FD030	● F026C3FD030	● F026C4FD030
● F026C2FD033	● F026C3FD033	● F026C4FD033



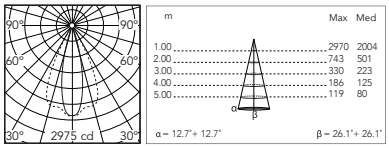
@ 3000K

Spine 2 Ultra Hp

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2GA001	○ F026C3GA001	○ F026C4GA001
● F026C2GA006	● F026C3GA006	● F026C4GA006
● F026C2GA012	● F026C3GA012	● F026C4GA012
● F026C2GA018	● F026C3GA018	● F026C4GA018
● F026C2GA030	● F026C3GA030	● F026C4GA030
● F026C2GA033	● F026C3GA033	● F026C4GA033
1-10V	1-10V	1-10V
○ F026C2GB001	○ F026C3GB001	○ F026C4GB001
● F026C2GB006	● F026C3GB006	● F026C4GB006
● F026C2GB012	● F026C3GB012	● F026C4GB012
● F026C2GB018	● F026C3GB018	● F026C4GB018
● F026C2GB030	● F026C3GB030	● F026C4GB030
● F026C2GB033	● F026C3GB033	● F026C4GB033
Dali	Dali	Dali
○ F026C2GD001	○ F026C3GD001	○ F026C4GD001
● F026C2GD006	● F026C3GD006	● F026C4GD006
● F026C2GD012	● F026C3GD012	● F026C4GD012
● F026C2GD018	● F026C3GD018	● F026C4GD018
● F026C2GD030	● F026C3GD030	● F026C4GD030
● F026C2GD033	● F026C3GD033	● F026C4GD033

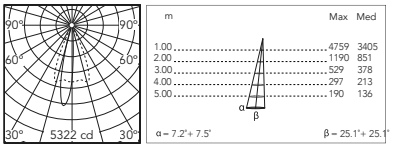


@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026C2HA001	○ F026C3HA001	○ F026C4HA001
● F026C2HA006	● F026C3HA006	● F026C4HA006
● F026C2HA012	● F026C3HA012	● F026C4HA012
● F026C2HA018	● F026C3HA018	● F026C4HA018
● F026C2HA030	● F026C3HA030	● F026C4HA030
● F026C2HA033	● F026C3HA033	● F026C4HA033
1-10V	1-10V	1-10V
○ F026C2HB001	○ F026C3HB001	○ F026C4HB001
● F026C2HB006	● F026C3HB006	● F026C4HB006
● F026C2HB012	● F026C3HB012	● F026C4HB012
● F026C2HB018	● F026C3HB018	● F026C4HB018
● F026C2HB030	● F026C3HB030	● F026C4HB030
● F026C2HB033	● F026C3HB033	● F026C4HB033
Dali	Dali	Dali
○ F026C2HD001	○ F026C3HD001	○ F026C4HD001
● F026C2HD006	● F026C3HD006	● F026C4HD006
● F026C2HD012	● F026C3HD012	● F026C4HD012
● F026C2HD018	● F026C3HD018	● F026C4HD018
● F026C2HD030	● F026C3HD030	● F026C4HD030
● F026C2HD033	● F026C3HD033	● F026C4HD033



@ 3000K

Spine 2 Ultra: Accessori / Accessories

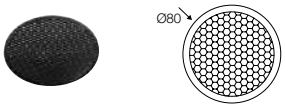
Visor	Visor	○ F026Z050001 ● F026Z050006 ● F026Z050012 ● F026Z050018 ● F026Z050030 ● F026Z050033



Picchetto per installazione nel terreno.	Ground spike.	F026Z010000



Honeycomb	Honeycomb Louvre	F026Z060000

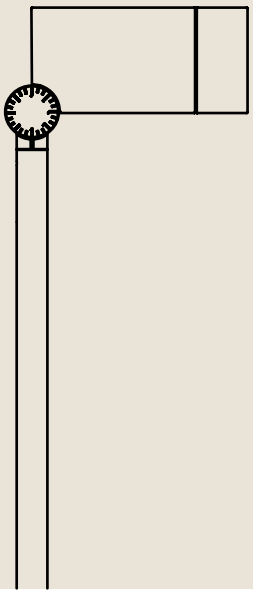


Lenti converter / Converter lenses:

- Converter Spine 2 Optic Medium Flood	F029Z020000
- Converter Spine 2 Optic Flood	F029Z021000
- Converter Spine 2 Optic Wide Flood	F029Z022000
- Converter Spine 2 Optic Elliptic 1	F029Z023000
- Converter Spine 2 Optic Elliptic 2	F029Z024000
- Converter Spine 2 Optic Wall Washer	F029Z025000



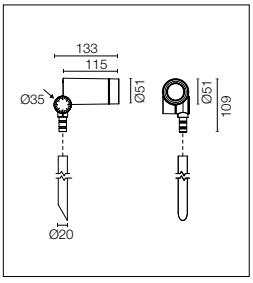
Spine F

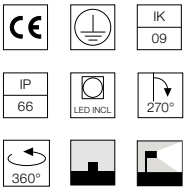


Un supporto speciale da installare facilmente nel terreno per aumentare la versatilità del prodotto.

A special rod can be easily installed in the ground increasing the product versatility.







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Dotata di spezzone di cavo uscente in neoprene da 5m; Accessori per connessione IP da ordinare separatamente; per garantire la tenuta è consigliabile utilizzare cavi fessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

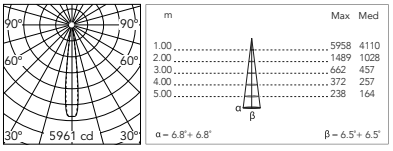
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027L2BA001	○ F027L3BA001	○ F027L4BA001
● F027L2BA006	● F027L3BA006	● F027L4BA006
● F027L2BA012	● F027L3BA012	● F027L4BA012
● F027L2BA018	● F027L3BA018	● F027L4BA018
● F027L2BA030	● F027L3BA030	● F027L4BA030
● F027L2BA033	● F027L3BA033	● F027L4BA033

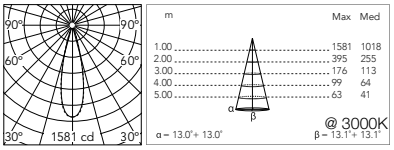


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

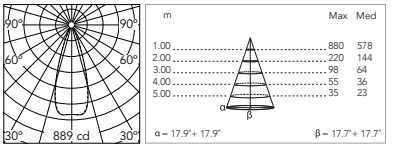
2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027L2CA001	○ F027L3CA001	○ F027L4CA001
● F027L2CA006	● F027L3CA006	● F027L4CA006
● F027L2CA012	● F027L3CA012	● F027L4CA012
● F027L2CA018	● F027L3CA018	● F027L4CA018
● F027L2CA030	● F027L3CA030	● F027L4CA030
● F027L2CA033	● F027L3CA033	● F027L4CA033



Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027L2DA001	○ F027L3DA001	○ F027L4DA001
● F027L2DA006	● F027L3DA006	● F027L4DA006
● F027L2DA012	● F027L3DA012	● F027L4DA012
● F027L2DA018	● F027L3DA018	● F027L4DA018
● F027L2DA030	● F027L3DA030	● F027L4DA030
● F027L2DA033	● F027L3DA033	● F027L4DA033

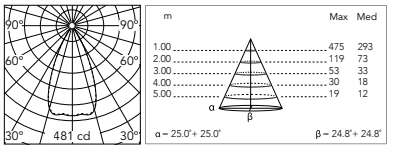


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F027L2EA001	○ F027L3EA001	○ F027L4EA001
● F027L2EA006	● F027L3EA006	● F027L4EA006
● F027L2EA012	● F027L3EA012	● F027L4EA012
● F027L2EA018	● F027L3EA018	● F027L4EA018
● F027L2EA030	● F027L3EA030	● F027L4EA030
● F027L2EA033	● F027L3EA033	● F027L4EA033

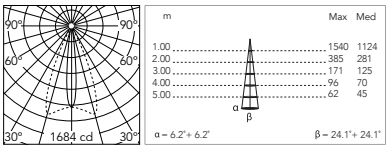


@ 3000K

Optic Elliptical 1 12° x 50°

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027L2FA001	○ F027L3FA001	○ F027L4FA001
● F027L2FA006	● F027L3FA006	● F027L4FA006
● F027L2FA012	● F027L3FA012	● F027L4FA012
● F027L2FA018	● F027L3FA018	● F027L4FA018
● F027L2FA030	● F027L3FA030	● F027L4FA030
● F027L2FA033	● F027L3FA033	● F027L4FA033

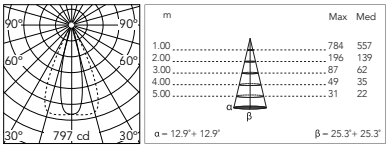


@ 3000K

Optic Elliptical 2 26° x 51°

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027L2GA001	○ F027L3GA001	○ F027L4GA001
● F027L2GA006	● F027L3GA006	● F027L4GA006
● F027L2GA012	● F027L3GA012	● F027L4GA012
● F027L2GA018	● F027L3GA018	● F027L4GA018
● F027L2GA030	● F027L3GA030	● F027L4GA030
● F027L2GA033	● F027L3GA033	● F027L4GA033

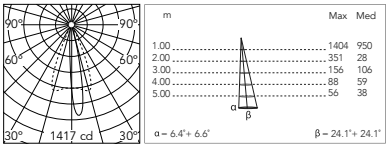


@ 3000K

Optic Wall Washer

Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

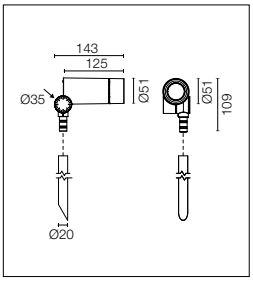
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027L2HA001	○ F027L3HA001	○ F027L4HA001
● F027L2HA006	● F027L3HA006	● F027L4HA006
● F027L2HA012	● F027L3HA012	● F027L4HA012
● F027L2HA018	● F027L3HA018	● F027L4HA018
● F027L2HA030	● F027L3HA030	● F027L4HA030
● F027L2HA033	● F027L3HA033	● F027L4HA033

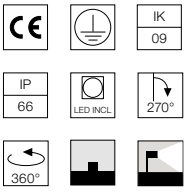


@ 3000K

Spine F 0 Ultra







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Dotata di spezzone di cavo uscente in neoprene da 5m; Accessori per connessione IP da ordinare separatamente; per garantire la tenuta è consigliabile utilizzare cavi fessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

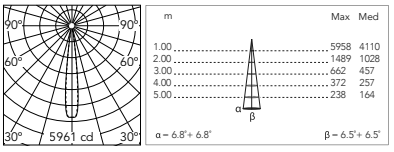
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2BA001	○ F027G3BA001	○ F027G4BA001
● F027G2BA006	● F027G3BA006	● F027G4BA006
● F027G2BA012	● F027G3BA012	● F027G4BA012
● F027G2BA018	● F027G3BA018	● F027G4BA018
● F027G2BA030	● F027G3BA030	● F027G4BA030
● F027G2BA033	● F027G3BA033	● F027G4BA033

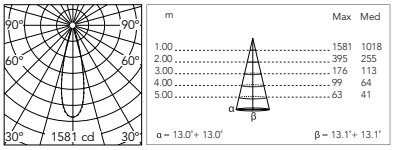


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2CA001	○ F027G3CA001	○ F027G4CA001
● F027G2CA006	● F027G3CA006	● F027G4CA006
● F027G2CA012	● F027G3CA012	● F027G4CA012
● F027G2CA018	● F027G3CA018	● F027G4CA018
● F027G2CA030	● F027G3CA030	● F027G4CA030
● F027G2CA033	● F027G3CA033	● F027G4CA033

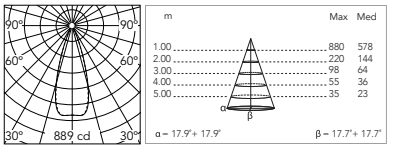


@ 3000K

Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2DA001	○ F027G3DA001	○ F027G4DA001
● F027G2DA006	● F027G3DA006	● F027G4DA006
● F027G2DA012	● F027G3DA012	● F027G4DA012
● F027G2DA018	● F027G3DA018	● F027G4DA018
● F027G2DA030	● F027G3DA030	● F027G4DA030
● F027G2DA033	● F027G3DA033	● F027G4DA033

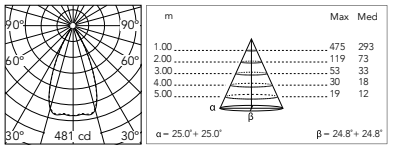


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2EA001	○ F027G3EA001	○ F027G4EA001
● F027G2EA006	● F027G3EA006	● F027G4EA006
● F027G2EA012	● F027G3EA012	● F027G4EA012
● F027G2EA018	● F027G3EA018	● F027G4EA018
● F027G2EA030	● F027G3EA030	● F027G4EA030
● F027G2EA033	● F027G3EA033	● F027G4EA033

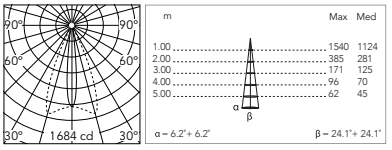


@ 3000K

Optic Elliptical 1 12° x 50°

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2FA001	○ F027G3FA001	○ F027G4FA001
● F027G2FA006	● F027G3FA006	● F027G4FA006
● F027G2FA012	● F027G3FA012	● F027G4FA012
● F027G2FA018	● F027G3FA018	● F027G4FA018
● F027G2FA030	● F027G3FA030	● F027G4FA030
● F027G2FA033	● F027G3FA033	● F027G4FA033

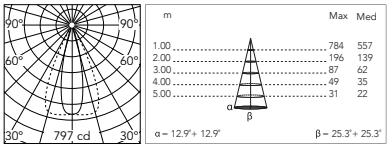


@ 3000K

Optic Elliptical 2 26° x 51°

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2GA001	○ F027G3GA001	○ F027G4GA001
● F027G2GA006	● F027G3GA006	● F027G4GA006
● F027G2GA012	● F027G3GA012	● F027G4GA012
● F027G2GA018	● F027G3GA018	● F027G4GA018
● F027G2GA030	● F027G3GA030	● F027G4GA030
● F027G2GA033	● F027G3GA033	● F027G4GA033

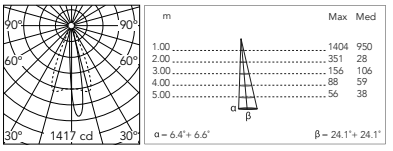


@ 3000K

Optic Wall Washer

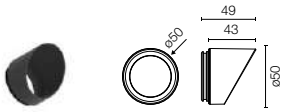
Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F027G2HA001	○ F027G3HA001	○ F027G4HA001
● F027G2HA006	● F027G3HA006	● F027G4HA006
● F027G2HA012	● F027G3HA012	● F027G4HA012
● F027G2HA018	● F027G3HA018	● F027G4HA018
● F027G2HA030	● F027G3HA030	● F027G4HA030
● F027G2HA033	● F027G3HA033	● F027G4HA033

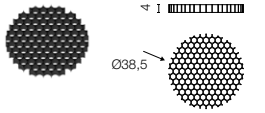
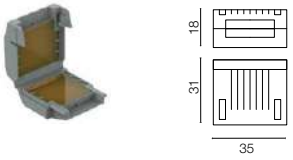
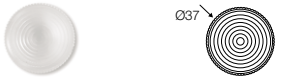
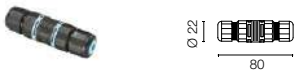
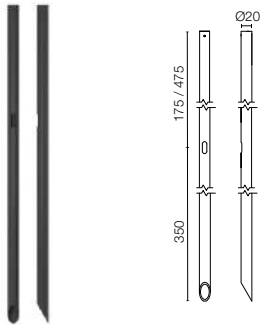


@ 3000K

Spine F 0: Accessori / Accessories

Visor	Visor	○ F027Z050001 ● F027Z050006 ● F027Z050012 ● F027Z050018 ● F027Z050030 ● F027Z050033	

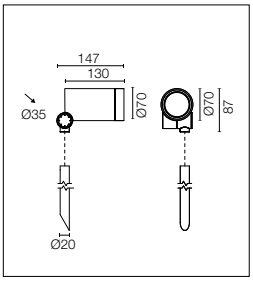
Spine F 0 Ultra: Accessori / Accessories

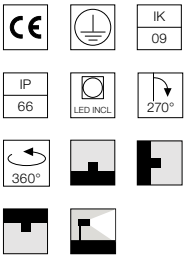
Honeycomb	Honeycomb Louvre	F027Z060000	
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000	
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	
Asta lunghezza 200 - 500 mm fuori terra per installazione nel terreno	Pole with an overground length of 200 - 500 mm for ground installation.	200 mm ○ F026Z020001 ● F026Z020006 ● F026Z020012 ● F026Z020018 ● F026Z020030 ● F026Z020033 500 mm ○ F026Z030001 ● F026Z030006 ● F026Z030012 ● F026Z030018 ● F026Z030030 ● F026Z030033	



Spine F 1 Absolute







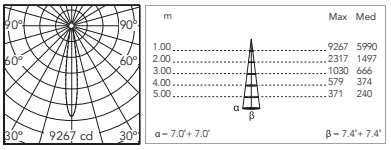
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

LED COB light source included. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 15°

CoB Led: 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025F2BA001	○ F025F3BA001	○ F025F4BA001
● F025F2BA006	● F025F3BA006	● F025F4BA006
● F025F2BA012	● F025F3BA012	● F025F4BA012
● F025F2BA018	● F025F3BA018	● F025F4BA018
● F025F2BA030	● F025F3BA030	● F025F4BA030
● F025F2BA033	● F025F3BA033	● F025F4BA033

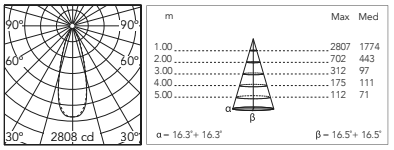


@ 3000K

Optic Medium Flood 33°

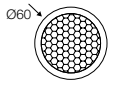
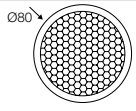
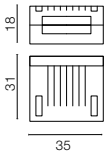
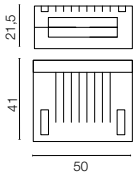
CoB Led: 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025F2CA001	○ F025F3CA001	○ F025F4CA001
● F025F2CA006	● F025F3CA006	● F025F4CA006
● F025F2CA012	● F025F3CA012	● F025F4CA012
● F025F2CA018	● F025F3CA018	● F025F4CA018
● F025F2CA030	● F025F3CA030	● F025F4CA030
● F025F2CA033	● F025F3CA033	● F025F4CA033

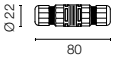
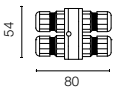


@ 3000K

Spine F 1 / F 2 Absolute: Accessori / Accessories

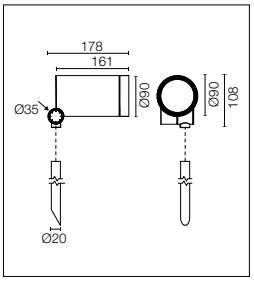
Honeycomb	Honeycomb Louvre	Spine F 1 F025Z060000		
Honeycomb	Honeycomb Louvre	Spine F 2 F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine F 1 F990C100000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine F 2 F990C110000		

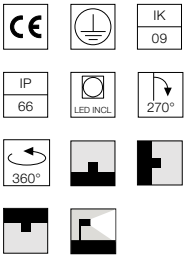
Spine F 1 / F 2 Absolute: Accessori per versioni non dimmable / Accessories for non-dimmable versions

Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Spine F 2 Absolute







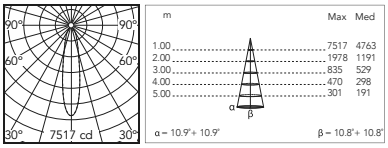
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

LED COB light source included. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

Optic Spot 22°

CoB Led: 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026F2BA001.A	○ F026F3BA001	○ F026F4BA001.A
● F026F2BA006.A	● F026F3BA006	● F026F4BA006.A
● F026F2BA012.A	● F026F3BA012	● F026F4BA012.A
● F026F2BA018.A	● F026F3BA018	● F026F4BA018.A
● F026F2BA030.A	● F026F3BA030	● F026F4BA030.A
● F026F2BA033.A	● F026F3BA033	● F026F4BA033.A
1-10V	1-10V	1-10V
○ F026F2BB001.A	○ F026F3BB001	○ F026F4BB001.A
● F026F2BB006.A	● F026F3BB006	● F026F4BB006.A
● F026F2BB012.A	● F026F3BB012	● F026F4BB012.A
● F026F2BB018.A	● F026F3BB018	● F026F4BB018.A
● F026F2BB030.A	● F026F3BB030	● F026F4BB030.A
● F026F2BB033.A	● F026F3BB033	● F026F4BB033.A
Dali	Dali	Dali
○ F026F2BD001.A	○ F026F3BD001	○ F026F4BD001.A
● F026F2BD006.A	● F026F3BD006	● F026F4BD006.A
● F026F2BD012.A	● F026F3BD012	● F026F4BD012.A
● F026F2BD018.A	● F026F3BD018	● F026F4BD018.A
● F026F2BD030.A	● F026F3BD030	● F026F4BD030.A
● F026F2BD033.A	● F026F3BD033	● F026F4BD033.A

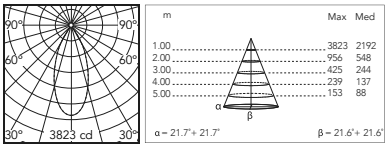


@ 3000K

Optic Medium Flood 43°

CoB Led: 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026F2CA001.A	○ F026F3CA001	○ F026F4CA001.A
● F026F2CA006.A	● F026F3CA006	● F026F4CA006.A
● F026F2CA012.A	● F026F3CA012	● F026F4CA012.A
● F026F2CA018.A	● F026F3CA018	● F026F4CA018.A
● F026F2CA030.A	● F026F3CA030	● F026F4CA030.A
● F026F2CA033.A	● F026F3CA033	● F026F4CA033.A
1-10V	1-10V	1-10V
○ F026F2CB001.A	○ F026F3CB001	○ F026F4CB001.A
● F026F2CB006.A	● F026F3CB006	● F026F4CB006.A
● F026F2CB012.A	● F026F3CB012	● F026F4CB012.A
● F026F2CB018.A	● F026F3CB018	● F026F4CB018.A
● F026F2CB030.A	● F026F3CB030	● F026F4CB030.A
● F026F2CB033.A	● F026F3CB033	● F026F4CB033.A
Dali	Dali	Dali
○ F026F2CD001.A	○ F026F3CD001	○ F026F4CD001.A
● F026F2CD006.A	● F026F3CD006	● F026F4CD006.A
● F026F2CD012.A	● F026F3CD012	● F026F4CD012.A
● F026F2CD018.A	● F026F3CD018	● F026F4CD018.A
● F026F2CD030.A	● F026F3CD030	● F026F4CD030.A
● F026F2CD033.A	● F026F3CD033	● F026F4CD033.A



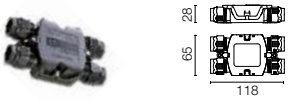
@ 3000K

Spine F 2 Absolute: Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000

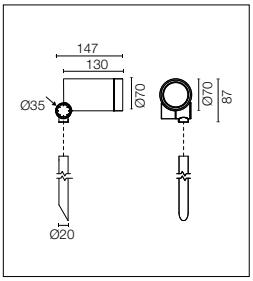


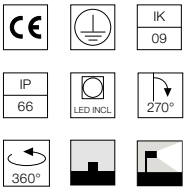
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000



Spine F 1 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

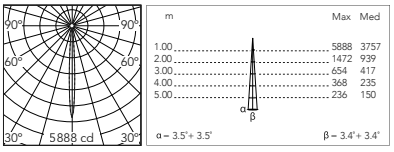
Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025L2AA001	○ F025L3AA001	○ F025L4AA001
● F025L2AA006	● F025L3AA006	● F025L4AA006
● F025L2AA012	● F025L3AA012	● F025L4AA012
● F025L2AA018	● F025L3AA018	● F025L4AA018
● F025L2AA030	● F025L3AA030	● F025L4AA030
● F025L2AA033	● F025L3AA033	● F025L4AA033

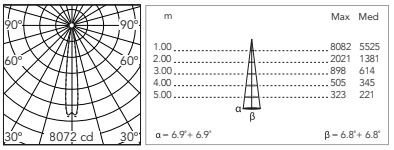


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025L2BA001	○ F025L3BA001	○ F025L4BA001
● F025L2BA006	● F025L3BA006	● F025L4BA006
● F025L2BA012	● F025L3BA012	● F025L4BA012
● F025L2BA018	● F025L3BA018	● F025L4BA018
● F025L2BA030	● F025L3BA030	● F025L4BA030
● F025L2BA033	● F025L3BA033	● F025L4BA033

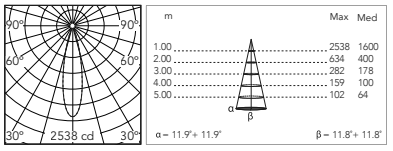


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025L2CA001	○ F025L3CA001	○ F025L4CA001
● F025L2CA006	● F025L3CA006	● F025L4CA006
● F025L2CA012	● F025L3CA012	● F025L4CA012
● F025L2CA018	● F025L3CA018	● F025L4CA018
● F025L2CA030	● F025L3CA030	● F025L4CA030
● F025L2CA033	● F025L3CA033	● F025L4CA033

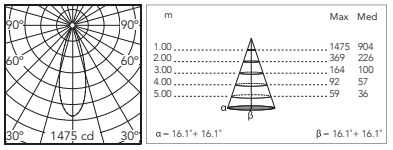


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025L2DA001	○ F025L3DA001	○ F025L4DA001
● F025L2DA006	● F025L3DA006	● F025L4DA006
● F025L2DA012	● F025L3DA012	● F025L4DA012
● F025L2DA018	● F025L3DA018	● F025L4DA018
● F025L2DA030	● F025L3DA030	● F025L4DA030
● F025L2DA033	● F025L3DA033	● F025L4DA033

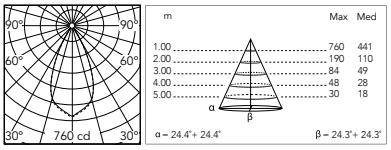


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025L2EA001	F025L3EA001	F025L4EA001
F025L2EA006	F025L3EA006	F025L4EA006
F025L2EA012	F025L3EA012	F025L4EA012
F025L2EA018	F025L3EA018	F025L4EA018
F025L2EA030	F025L3EA030	F025L4EA030
F025L2EA033	F025L3EA033	F025L4EA033

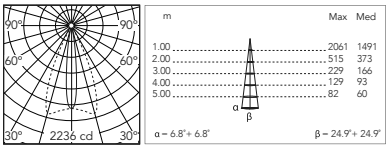


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025L2FA001	F025L3FA001	F025L4FA001
F025L2FA006	F025L3FA006	F025L4FA006
F025L2FA012	F025L3FA012	F025L4FA012
F025L2FA018	F025L3FA018	F025L4FA018
F025L2FA030	F025L3FA030	F025L4FA030
F025L2FA033	F025L3FA033	F025L4FA033

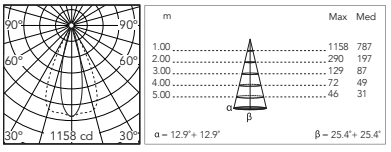


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025L2GA001	F025L3GA001	F025L4GA001
F025L2GA006	F025L3GA006	F025L4GA006
F025L2GA012	F025L3GA012	F025L4GA012
F025L2GA018	F025L3GA018	F025L4GA018
F025L2GA030	F025L3GA030	F025L4GA030
F025L2GA033	F025L3GA033	F025L4GA033

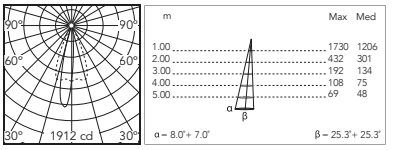


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

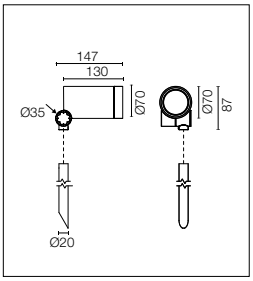
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025L2HA001	F025L3HA001	F025L4HA001
F025L2HA006	F025L3HA006	F025L4HA006
F025L2HA012	F025L3HA012	F025L4HA012
F025L2HA018	F025L3HA018	F025L4HA018
F025L2HA030	F025L3HA030	F025L4HA030
F025L2HA033	F025L3HA033	F025L4HA033

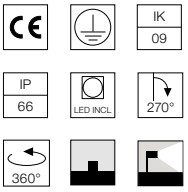


@ 3000K

Spine F 1 Pro Hp







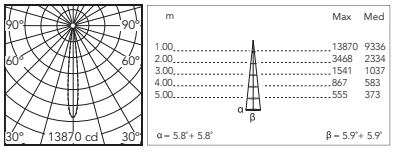
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025M2BA001	○ F025M3BA001	○ F025M4BA001
● F025M2BA006	● F025M3BA006	● F025M4BA006
● F025M2BA012	● F025M3BA012	● F025M4BA012
● F025M2BA018	● F025M3BA018	● F025M4BA018
● F025M2BA030	● F025M3BA030	● F025M4BA030
● F025M2BA033	● F025M3BA033	● F025M4BA033

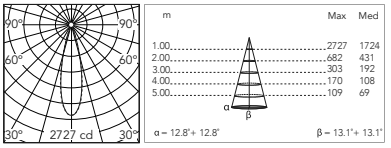


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025M2CA001	○ F025M3CA001	○ F025M4CA001
● F025M2CA006	● F025M3CA006	● F025M4CA006
● F025M2CA012	● F025M3CA012	● F025M4CA012
● F025M2CA018	● F025M3CA018	● F025M4CA018
● F025M2CA030	● F025M3CA030	● F025M4CA030
● F025M2CA033	● F025M3CA033	● F025M4CA033

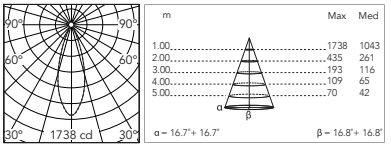


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025M2DA001	○ F025M3DA001	○ F025M4DA001
● F025M2DA006	● F025M3DA006	● F025M4DA006
● F025M2DA012	● F025M3DA012	● F025M4DA012
● F025M2DA018	● F025M3DA018	● F025M4DA018
● F025M2DA030	● F025M3DA030	● F025M4DA030
● F025M2DA033	● F025M3DA033	● F025M4DA033

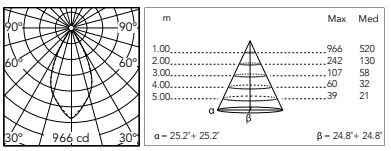


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025M2EA001	○ F025M3EA001	○ F025M4EA001
● F025M2EA006	● F025M3EA006	● F025M4EA006
● F025M2EA012	● F025M3EA012	● F025M4EA012
● F025M2EA018	● F025M3EA018	● F025M4EA018
● F025M2EA030	● F025M3EA030	● F025M4EA030
● F025M2EA033	● F025M3EA033	● F025M4EA033



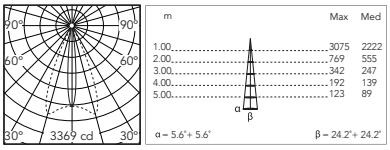
@ 3000K

Spine F 1 Pro Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025M2FA001	○ F025M3FA001	○ F025M4FA001
● F025M2FA006	● F025M3FA006	● F025M4FA006
● F025M2FA012	● F025M3FA012	● F025M4FA012
● F025M2FA018	● F025M3FA018	● F025M4FA018
● F025M2FA030	● F025M3FA030	● F025M4FA030
● F025M2FA033	● F025M3FA033	● F025M4FA033

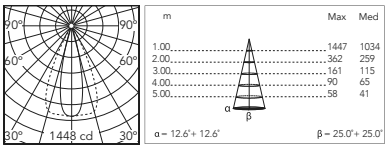


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025M2GA001	○ F025M3GA001	○ F025M4GA001
● F025M2GA006	● F025M3GA006	● F025M4GA006
● F025M2GA012	● F025M3GA012	● F025M4GA012
● F025M2GA018	● F025M3GA018	● F025M4GA018
● F025M2GA030	● F025M3GA030	● F025M4GA030
● F025M2GA033	● F025M3GA033	● F025M4GA033

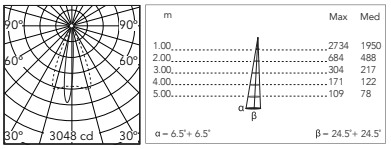


@ 3000K

Optic Wall Washer

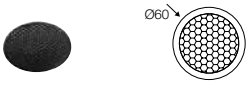
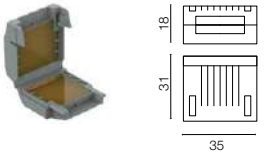
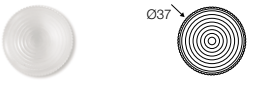
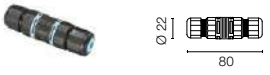
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025M2HA001	○ F025M3HA001	○ F025M4HA001
● F025M2HA006	● F025M3HA006	● F025M4HA006
● F025M2HA012	● F025M3HA012	● F025M4HA012
● F025M2HA018	● F025M3HA018	● F025M4HA018
● F025M2HA030	● F025M3HA030	● F025M4HA030
● F025M2HA033	● F025M3HA033	● F025M4HA033



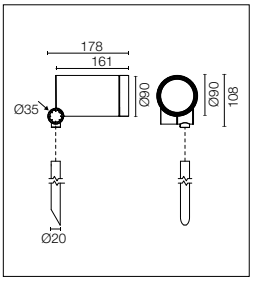
@ 3000K

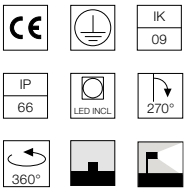
Spine F 1 Pro: Accessori / Accessories

Honeycomb	Honeycomb Louvre	F025Z060000	
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000	
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	

Spine F 2 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

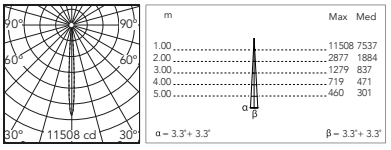
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026L2AA001	○ F026L3AA001	○ F026L4AA001
● F026L2AA006	● F026L3AA006	● F026L4AA006
● F026L2AA012	● F026L3AA012	● F026L4AA012
● F026L2AA018	● F026L3AA018	● F026L4AA018
● F026L2AA030	● F026L3AA030	● F026L4AA030
● F026L2AA033	● F026L3AA033	● F026L4AA033
1-10V	1-10V	1-10V
○ F026L2AB001	○ F026L3AB001	○ F026L4AB001
● F026L2AB006	● F026L3AB006	● F026L4AB006
● F026L2AB012	● F026L3AB012	● F026L4AB012
● F026L2AB018	● F026L3AB018	● F026L4AB018
● F026L2AB030	● F026L3AB030	● F026L4AB030
● F026L2AB033	● F026L3AB033	● F026L4AB033
Dali	Dali	Dali
○ F026L2AD001	○ F026L3AD001	○ F026L4AD001
● F026L2AD006	● F026L3AD006	● F026L4AD006
● F026L2AD012	● F026L3AD012	● F026L4AD012
● F026L2AD018	● F026L3AD018	● F026L4AD018
● F026L2AD030	● F026L3AD030	● F026L4AD030
● F026L2AD033	● F026L3AD033	● F026L4AD033

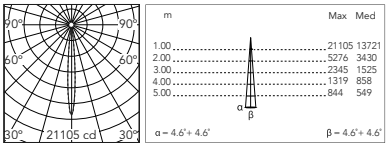


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026L2BA001	○ F026L3BA001	○ F026L4BA001
● F026L2BA006	● F026L3BA006	● F026L4BA006
● F026L2BA012	● F026L3BA012	● F026L4BA012
● F026L2BA018	● F026L3BA018	● F026L4BA018
● F026L2BA030	● F026L3BA030	● F026L4BA030
● F026L2BA033	● F026L3BA033	● F026L4BA033
1-10V	1-10V	1-10V
○ F026L2BB001	○ F026L3BB001	○ F026L4BB001
● F026L2BB006	● F026L3BB006	● F026L4BB006
● F026L2BB012	● F026L3BB012	● F026L4BB012
● F026L2BB018	● F026L3BB018	● F026L4BB018
● F026L2BB030	● F026L3BB030	● F026L4BB030
● F026L2BB033	● F026L3BB033	● F026L4BB033
Dali	Dali	Dali
○ F026L2BD001	○ F026L3BD001	○ F026L4BD001
● F026L2BD006	● F026L3BD006	● F026L4BD006
● F026L2BD012	● F026L3BD012	● F026L4BD012
● F026L2BD018	● F026L3BD018	● F026L4BD018
● F026L2BD030	● F026L3BD030	● F026L4BD030
● F026L2BD033	● F026L3BD033	● F026L4BD033

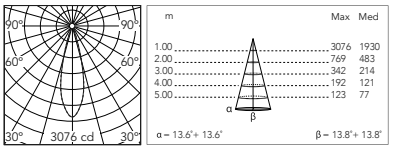


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026L2CA001	○ F026L3CA001	○ F026L4CA001
● F026L2CA006	● F026L3CA006	● F026L4CA006
● F026L2CA012	● F026L3CA012	● F026L4CA012
● F026L2CA018	● F026L3CA018	● F026L4CA018
● F026L2CA030	● F026L3CA030	● F026L4CA030
● F026L2CA033	● F026L3CA033	● F026L4CA033
1-10V	1-10V	1-10V
○ F026L2CB001	○ F026L3CB001	○ F026L4CB001
● F026L2CB006	● F026L3CB006	● F026L4CB006
● F026L2CB012	● F026L3CB012	● F026L4CB012
● F026L2CB018	● F026L3CB018	● F026L4CB018
● F026L2CB030	● F026L3CB030	● F026L4CB030
● F026L2CB033	● F026L3CB033	● F026L4CB033
Dali	Dali	Dali
○ F026L2CD001	○ F026L3CD001	○ F026L4CD001
● F026L2CD006	● F026L3CD006	● F026L4CD006
● F026L2CD012	● F026L3CD012	● F026L4CD012
● F026L2CD018	● F026L3CD018	● F026L4CD018
● F026L2CD030	● F026L3CD030	● F026L4CD030
● F026L2CD033	● F026L3CD033	● F026L4CD033

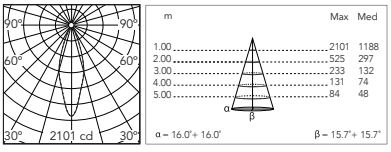


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026L2DA001	○ F026L3DA001	○ F026L4DA001
● F026L2DA006	● F026L3DA006	● F026L4DA006
● F026L2DA012	● F026L3DA012	● F026L4DA012
● F026L2DA018	● F026L3DA018	● F026L4DA018
● F026L2DA030	● F026L3DA030	● F026L4DA030
● F026L2DA033	● F026L3DA033	● F026L4DA033
1-10V	1-10V	1-10V
○ F026L2DB001	○ F026L3DB001	○ F026L4DB001
● F026L2DB006	● F026L3DB006	● F026L4DB006
● F026L2DB012	● F026L3DB012	● F026L4DB012
● F026L2DB018	● F026L3DB018	● F026L4DB018
● F026L2DB030	● F026L3DB030	● F026L4DB030
● F026L2DB033	● F026L3DB033	● F026L4DB033
Dali	Dali	Dali
○ F026L2DD001	○ F026L3DD001	○ F026L4DD001
● F026L2DD006	● F026L3DD006	● F026L4DD006
● F026L2DD012	● F026L3DD012	● F026L4DD012
● F026L2DD018	● F026L3DD018	● F026L4DD018
● F026L2DD030	● F026L3DD030	● F026L4DD030
● F026L2DD033	● F026L3DD033	● F026L4DD033

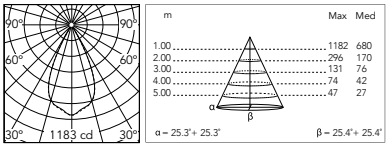


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026L2EA001	○ F026L3EA001	○ F026L4EA001
● F026L2EA006	● F026L3EA006	● F026L4EA006
● F026L2EA012	● F026L3EA012	● F026L4EA012
● F026L2EA018	● F026L3EA018	● F026L4EA018
● F026L2EA030	● F026L3EA030	● F026L4EA030
● F026L2EA033	● F026L3EA033	● F026L4EA033
1-10V	1-10V	1-10V
○ F026L2EB001	○ F026L3EB001	○ F026L4EB001
● F026L2EB006	● F026L3EB006	● F026L4EB006
● F026L2EB012	● F026L3EB012	● F026L4EB012
● F026L2EB018	● F026L3EB018	● F026L4EB018
● F026L2EB030	● F026L3EB030	● F026L4EB030
● F026L2EB033	● F026L3EB033	● F026L4EB033
Dali	Dali	Dali
○ F026L2ED001	○ F026L3ED001	○ F026L4ED001
● F026L2ED006	● F026L3ED006	● F026L4ED006
● F026L2ED012	● F026L3ED012	● F026L4ED012
● F026L2ED018	● F026L3ED018	● F026L4ED018
● F026L2ED030	● F026L3ED030	● F026L4ED030
● F026L2ED033	● F026L3ED033	● F026L4ED033



@ 3000K

Optic Elliptical 1 9,5° x 48°

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F026L2FA001
- F026L2FA006
- F026L2FA012
- F026L2FA018
- ● F026L2FA030
- F026L2FA033

1-10V
- ○ F026L2FB001
- F026L2FB006
- F026L2FB012
- F026L2FB018
- ● F026L2FB030
- F026L2FB033

Dali
- ○ F026L2FD001
- F026L2FD006
- F026L2FD012
- F026L2FD018
- ● F026L2FD030
- F026L2FD033

3000K
Non Dimmable
- ○ F026L3FA001
- F026L3FA006
- F026L3FA012
- F026L3FA018
- ● F026L3FA030
- F026L3FA033

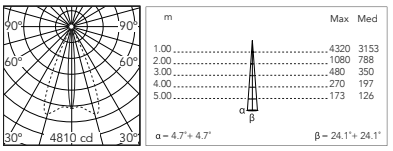
1-10V
- ○ F026L3FB001
- F026L3FB006
- F026L3FB012
- F026L3FB018
- ● F026L3FB030
- F026L3FB033

Dali
- ○ F026L3FD001
- F026L3FD006
- F026L3FD012
- F026L3FD018
- ● F026L3FD030
- F026L3FD033

4000K
Non Dimmable
- ○ F026L4FA001
- F026L4FA006
- F026L4FA012
- F026L4FA018
- ● F026L4FA030
- F026L4FA033

1-10V
- ○ F026L4FB001
- F026L4FB006
- F026L4FB012
- F026L4FB018
- ● F026L4FB030
- F026L4FB033

Dali
- ○ F026L4FD001
- F026L4FD006
- F026L4FD012
- F026L4FD018
- ● F026L4FD030
- F026L4FD033



@ 3000K

Optic Elliptical 2 24° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F026L2GA001
- F026L2GA006
- F026L2GA012
- F026L2GA018
- ● F026L2GA030
- F026L2GA033

1-10V
- ○ F026L2GB001
- F026L2GB006
- F026L2GB012
- F026L2GB018
- ● F026L2GB030
- F026L2GB033

Dali
- ○ F026L2GD001
- F026L2GD006
- F026L2GD012
- F026L2GD018
- ● F026L2GD030
- F026L2GD033

3000K
Non Dimmable
- ○ F026L3GA001
- F026L3GA006
- F026L3GA012
- F026L3GA018
- ● F026L3GA030
- F026L3GA033

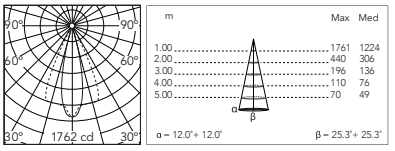
1-10V
- ○ F026L3GB001
- F026L3GB006
- F026L3GB012
- F026L3GB018
- ● F026L3GB030
- F026L3GB033

Dali
- ○ F026L3GD001
- F026L3GD006
- F026L3GD012
- F026L3GD018
- ● F026L3GD030
- F026L3GD033

4000K
Non Dimmable
- ○ F026L4GA001
- F026L4GA006
- F026L4GA012
- F026L4GA018
- ● F026L4GA030
- F026L4GA033

1-10V
- ○ F026L4GB001
- F026L4GB006
- F026L4GB012
- F026L4GB018
- ● F026L4GB030
- F026L4GB033

Dali
- ○ F026L4GD001
- F026L4GD006
- F026L4GD012
- F026L4GD018
- ● F026L4GD030
- F026L4GD033



@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F026L2HA001
- F026L2HA006
- F026L2HA012
- F026L2HA018
- ● F026L2HA030
- F026L2HA033

1-10V
- ○ F026L2HB001
- F026L2HB006
- F026L2HB012
- F026L2HB018
- ● F026L2HB030
- F026L2HB033

Dali
- ○ F026L2HD001
- F026L2HD006
- F026L2HD012
- F026L2HD018
- ● F026L2HD030
- F026L2HD033

3000K
Non Dimmable
- ○ F026L3HA001
- F026L3HA006
- F026L3HA012
- F026L3HA018
- ● F026L3HA030
- F026L3HA033

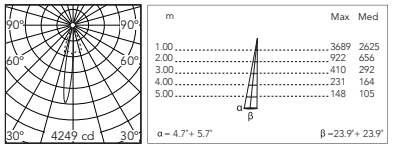
1-10V
- ○ F026L3HB001
- F026L3HB006
- F026L3HB012
- F026L3HB018
- ● F026L3HB030
- F026L3HB033

Dali
- ○ F026L3HD001
- F026L3HD006
- F026L3HD012
- F026L3HD018
- ● F026L3HD030
- F026L3HD033

4000K
Non Dimmable
- ○ F026L4HA001
- F026L4HA006
- F026L4HA012
- F026L4HA018
- ● F026L4HA030
- F026L4HA033

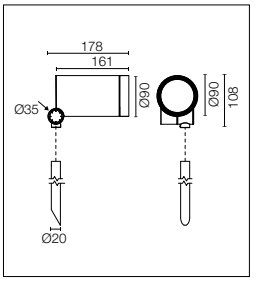
1-10V
- ○ F026L4HB001
- F026L4HB006
- F026L4HB012
- F026L4HB018
- ● F026L4HB030
- F026L4HB033

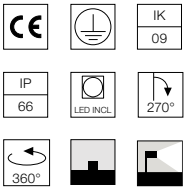
Dali
- ○ F026L4HD001
- F026L4HD006
- F026L4HD012
- F026L4HD018
- ● F026L4HD030
- F026L4HD033



@ 3000K







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

2200K disponibile su richiesta.

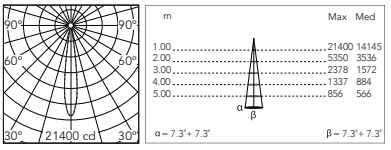
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026M2BA001	○ F026M3BA001	○ F026M4BA001
● F026M2BA006	● F026M3BA006	● F026M4BA006
● F026M2BA012	● F026M3BA012	● F026M4BA012
● F026M2BA018	● F026M3BA018	● F026M4BA018
● F026M2BA030	● F026M3BA030	● F026M4BA030
● F026M2BA033	● F026M3BA033	● F026M4BA033
1-10V	1-10V	1-10V
○ F026M2BB001	○ F026M3BB001	○ F026M4BB001
● F026M2BB006	● F026M3BB006	● F026M4BB006
● F026M2BB012	● F026M3BB012	● F026M4BB012
● F026M2BB018	● F026M3BB018	● F026M4BB018
● F026M2BB030	● F026M3BB030	● F026M4BB030
● F026M2BB033	● F026M3BB033	● F026M4BB033
Dali	Dali	Dali
○ F026M2BD001	○ F026M3BD001	○ F026M4BD001
● F026M2BD006	● F026M3BD006	● F026M4BD006
● F026M2BD012	● F026M3BD012	● F026M4BD012
● F026M2BD018	● F026M3BD018	● F026M4BD018
● F026M2BD030	● F026M3BD030	● F026M4BD030
● F026M2BD033	● F026M3BD033	● F026M4BD033

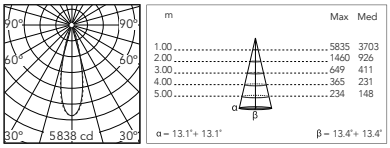


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026M2CA001	○ F026M3CA001	○ F026M4CA001
● F026M2CA006	● F026M3CA006	● F026M4CA006
● F026M2CA012	● F026M3CA012	● F026M4CA012
● F026M2CA018	● F026M3CA018	● F026M4CA018
● F026M2CA030	● F026M3CA030	● F026M4CA030
● F026M2CA033	● F026M3CA033	● F026M4CA033
1-10V	1-10V	1-10V
○ F026M2CB001	○ F026M3CB001	○ F026M4CB001
● F026M2CB006	● F026M3CB006	● F026M4CB006
● F026M2CB012	● F026M3CB012	● F026M4CB012
● F026M2CB018	● F026M3CB018	● F026M4CB018
● F026M2CB030	● F026M3CB030	● F026M4CB030
● F026M2CB033	● F026M3CB033	● F026M4CB033
Dali	Dali	Dali
○ F026M2CD001	○ F026M3CD001	○ F026M4CD001
● F026M2CD006	● F026M3CD006	● F026M4CD006
● F026M2CD012	● F026M3CD012	● F026M4CD012
● F026M2CD018	● F026M3CD018	● F026M4CD018
● F026M2CD030	● F026M3CD030	● F026M4CD030
● F026M2CD033	● F026M3CD033	● F026M4CD033

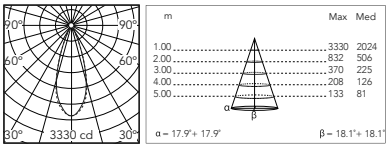


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026M2DA001	○ F026M3DA001	○ F026M4DA001
● F026M2DA006	● F026M3DA006	● F026M4DA006
● F026M2DA012	● F026M3DA012	● F026M4DA012
● F026M2DA018	● F026M3DA018	● F026M4DA018
● F026M2DA030	● F026M3DA030	● F026M4DA030
● F026M2DA033	● F026M3DA033	● F026M4DA033
1-10V	1-10V	1-10V
○ F026M2DB001	○ F026M3DB001	○ F026M4DB001
● F026M2DB006	● F026M3DB006	● F026M4DB006
● F026M2DB012	● F026M3DB012	● F026M4DB012
● F026M2DB018	● F026M3DB018	● F026M4DB018
● F026M2DB030	● F026M3DB030	● F026M4DB030
● F026M2DB033	● F026M3DB033	● F026M4DB033
Dali	Dali	Dali
○ F026M2DD001	○ F026M3DD001	○ F026M4DD001
● F026M2DD006	● F026M3DD006	● F026M4DD006
● F026M2DD012	● F026M3DD012	● F026M4DD012
● F026M2DD018	● F026M3DD018	● F026M4DD018
● F026M2DD030	● F026M3DD030	● F026M4DD030
● F026M2DD033	● F026M3DD033	● F026M4DD033

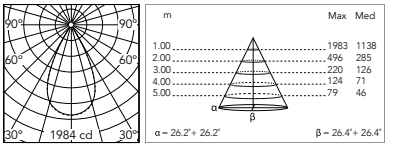


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026M2EA001	○ F026M3EA001	○ F026M4EA001
● F026M2EA006	● F026M3EA006	● F026M4EA006
● F026M2EA012	● F026M3EA012	● F026M4EA012
● F026M2EA018	● F026M3EA018	● F026M4EA018
● F026M2EA030	● F026M3EA030	● F026M4EA030
● F026M2EA033	● F026M3EA033	● F026M4EA033
1-10V	1-10V	1-10V
○ F026M2EB001	○ F026M3EB001	○ F026M4EB001
● F026M2EB006	● F026M3EB006	● F026M4EB006
● F026M2EB012	● F026M3EB012	● F026M4EB012
● F026M2EB018	● F026M3EB018	● F026M4EB018
● F026M2EB030	● F026M3EB030	● F026M4EB030
● F026M2EB033	● F026M3EB033	● F026M4EB033
Dali	Dali	Dali
○ F026M2ED001	○ F026M3ED001	○ F026M4ED001
● F026M2ED006	● F026M3ED006	● F026M4ED006
● F026M2ED012	● F026M3ED012	● F026M4ED012
● F026M2ED018	● F026M3ED018	● F026M4ED018
● F026M2ED030	● F026M3ED030	● F026M4ED030
● F026M2ED033	● F026M3ED033	● F026M4ED033

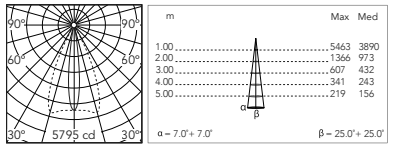


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026M2FA001	○ F026M3FA001	○ F026M4FA001
● F026M2FA006	● F026M3FA006	● F026M4FA006
● F026M2FA012	● F026M3FA012	● F026M4FA012
● F026M2FA018	● F026M3FA018	● F026M4FA018
● F026M2FA030	● F026M3FA030	● F026M4FA030
● F026M2FA033	● F026M3FA033	● F026M4FA033
1-10V	1-10V	1-10V
○ F026M2FB001	○ F026M3FB001	○ F026M4FB001
● F026M2FB006	● F026M3FB006	● F026M4FB006
● F026M2FB012	● F026M3FB012	● F026M4FB012
● F026M2FB018	● F026M3FB018	● F026M4FB018
● F026M2FB030	● F026M3FB030	● F026M4FB030
● F026M2FB033	● F026M3FB033	● F026M4FB033
Dali	Dali	Dali
○ F026M2FD001	○ F026M3FD001	○ F026M4FD001
● F026M2FD006	● F026M3FD006	● F026M4FD006
● F026M2FD012	● F026M3FD012	● F026M4FD012
● F026M2FD018	● F026M3FD018	● F026M4FD018
● F026M2FD030	● F026M3FD030	● F026M4FD030
● F026M2FD033	● F026M3FD033	● F026M4FD033



@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F026M2GA001
- F026M2GA006
- F026M2GA012
- F026M2GA018
- ● F026M2GA030
- F026M2GA033

1-10V

- ○ F026M2GB001
- F026M2GB006
- F026M2GB012
- F026M2GB018
- ● F026M2GB030
- F026M2GB033

Dali

- ○ F026M2GD001
- F026M2GD006
- F026M2GD012
- F026M2GD018
- ● F026M2GD030
- F026M2GD033

3000K

Non Dimmable

- ○ F026M3GA001
- F026M3GA006
- F026M3GA012
- F026M3GA018
- ● F026M3GA030
- F026M3GA033

1-10V

- ○ F026M3GB001
- F026M3GB006
- F026M3GB012
- F026M3GB018
- ● F026M3GB030
- F026M3GB033

Dali

- ○ F026M3GD001
- F026M3GD006
- F026M3GD012
- F026M3GD018
- ● F026M3GD030
- F026M3GD033

4000K

Non Dimmable

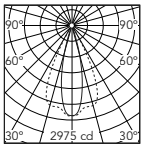
- ○ F026M4GA001
- F026M4GA006
- F026M4GA012
- F026M4GA018
- ● F026M4GA030
- F026M4GA033

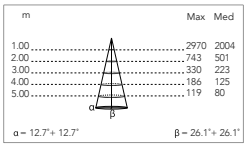
1-10V

- ○ F026M4GB001
- F026M4GB006
- F026M4GB012
- F026M4GB018
- ● F026M4GB030
- F026M4GB033

Dali

- ○ F026M4GD001
- F026M4GD006
- F026M4GD012
- F026M4GD018
- ● F026M4GD030
- F026M4GD033





@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F026M2HA001
- F026M2HA006
- F026M2HA012
- F026M2HA018
- ● F026M2HA030
- F026M2HA033

1-10V

- ○ F026M2HB001
- F026M2HB006
- F026M2HB012
- F026M2HB018
- ● F026M2HB030
- F026M2HB033

Dali

- ○ F026M2HD001
- F026M2HD006
- F026M2HD012
- F026M2HD018
- ● F026M2HD030
- F026M2HD033

3000K

Non Dimmable

- ○ F026M3HA001
- F026M3HA006
- F026M3HA012
- F026M3HA018
- ● F026M3HA030
- F026M3HA033

1-10V

- ○ F026M3HB001
- F026M3HB006
- F026M3HB012
- F026M3HB018
- ● F026M3HB030
- F026M3HB033

Dali

- ○ F026M3HD001
- F026M3HD006
- F026M3HD012
- F026M3HD018
- ● F026M3HD030
- F026M3HD033

4000K

Non Dimmable

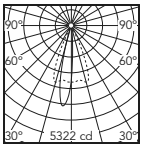
- ○ F026M4HA001
- F026M4HA006
- F026M4HA012
- F026M4HA018
- ● F026M4HA030
- F026M4HA033

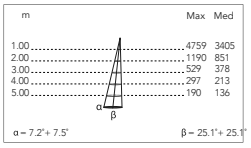
1-10V

- ○ F026M4HB001
- F026M4HB006
- F026M4HB012
- F026M4HB018
- ● F026M4HB030
- F026M4HB033

Dali

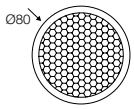
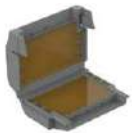
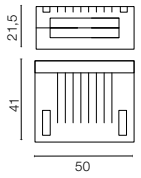
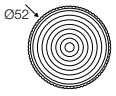
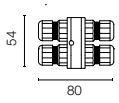
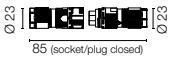
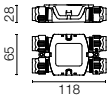
- ○ F026M4HD001
- F026M4HD006
- F026M4HD012
- F026M4HD018
- ● F026M4HD030
- F026M4HD033





@ 3000K

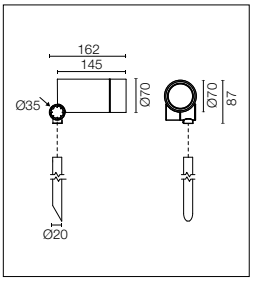
Spine F 2 Pro: Accessori / Accessories

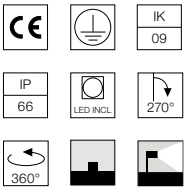
Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		



Spine F 1 Ultra







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

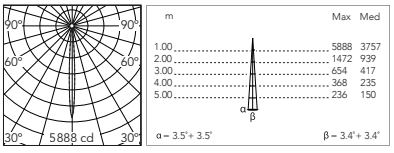
Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025G2AA001	○ F025G3AA001	○ F025G4AA001
● F025G2AA006	● F025G3AA006	● F025G4AA006
● F025G2AA012	● F025G3AA012	● F025G4AA012
● F025G2AA018	● F025G3AA018	● F025G4AA018
● F025G2AA030	● F025G3AA030	● F025G4AA030
● F025G2AA033	● F025G3AA033	● F025G4AA033

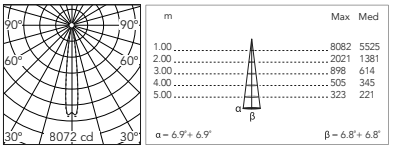


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025G2BA001	○ F025G3BA001	○ F025G4BA001
● F025G2BA006	● F025G3BA006	● F025G4BA006
● F025G2BA012	● F025G3BA012	● F025G4BA012
● F025G2BA018	● F025G3BA018	● F025G4BA018
● F025G2BA030	● F025G3BA030	● F025G4BA030
● F025G2BA033	● F025G3BA033	● F025G4BA033

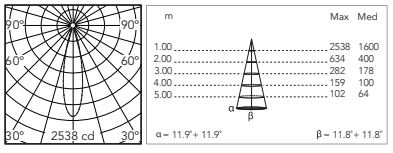


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025G2CA001	○ F025G3CA001	○ F025G4CA001
● F025G2CA006	● F025G3CA006	● F025G4CA006
● F025G2CA012	● F025G3CA012	● F025G4CA012
● F025G2CA018	● F025G3CA018	● F025G4CA018
● F025G2CA030	● F025G3CA030	● F025G4CA030
● F025G2CA033	● F025G3CA033	● F025G4CA033

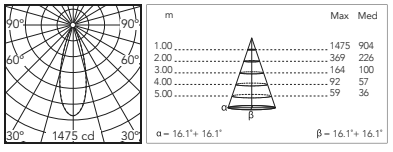


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025G2DA001	○ F025G3DA001	○ F025G4DA001
● F025G2DA006	● F025G3DA006	● F025G4DA006
● F025G2DA012	● F025G3DA012	● F025G4DA012
● F025G2DA018	● F025G3DA018	● F025G4DA018
● F025G2DA030	● F025G3DA030	● F025G4DA030
● F025G2DA033	● F025G3DA033	● F025G4DA033

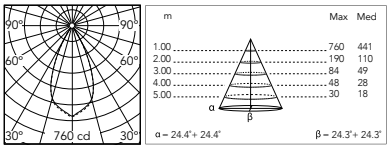


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025G2EA001	F025G3EA001	F025G4EA001
F025G2EA006	F025G3EA006	F025G4EA006
F025G2EA012	F025G3EA012	F025G4EA012
F025G2EA018	F025G3EA018	F025G4EA018
F025G2EA030	F025G3EA030	F025G4EA030
F025G2EA033	F025G3EA033	F025G4EA033

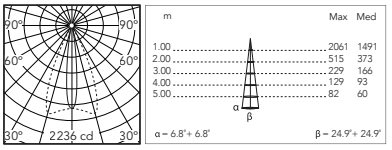


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025G2FA001	F025G3FA001	F025G4FA001
F025G2FA006	F025G3FA006	F025G4FA006
F025G2FA012	F025G3FA012	F025G4FA012
F025G2FA018	F025G3FA018	F025G4FA018
F025G2FA030	F025G3FA030	F025G4FA030
F025G2FA033	F025G3FA033	F025G4FA033

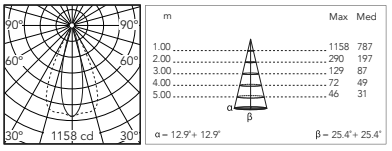


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025G2GA001	F025G3GA001	F025G4GA001
F025G2GA006	F025G3GA006	F025G4GA006
F025G2GA012	F025G3GA012	F025G4GA012
F025G2GA018	F025G3GA018	F025G4GA018
F025G2GA030	F025G3GA030	F025G4GA030
F025G2GA033	F025G3GA033	F025G4GA033

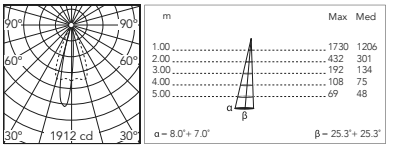


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

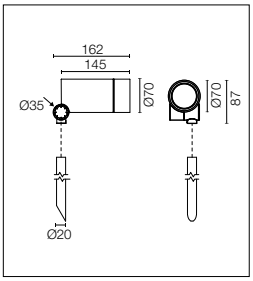
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025G2HA001	F025G3HA001	F025G4HA001
F025G2HA006	F025G3HA006	F025G4HA006
F025G2HA012	F025G3HA012	F025G4HA012
F025G2HA018	F025G3HA018	F025G4HA018
F025G2HA030	F025G3HA030	F025G4HA030
F025G2HA033	F025G3HA033	F025G4HA033

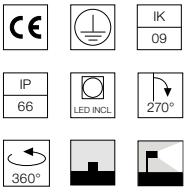


@ 3000K

Spine F 1 Ultra Hp







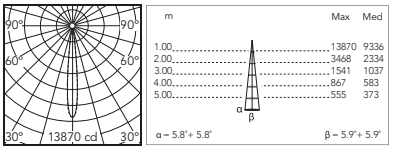
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2BA001	○ F025H3BA001	○ F025H4BA001
● F025H2BA006	● F025H3BA006	● F025H4BA006
● F025H2BA012	● F025H3BA012	● F025H4BA012
● F025H2BA018	● F025H3BA018	● F025H4BA018
● F025H2BA030	● F025H3BA030	● F025H4BA030
● F025H2BA033	● F025H3BA033	● F025H4BA033

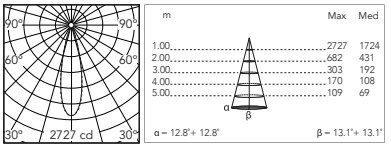


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2CA001	○ F025H3CA001	○ F025H4CA001
● F025H2CA006	● F025H3CA006	● F025H4CA006
● F025H2CA012	● F025H3CA012	● F025H4CA012
● F025H2CA018	● F025H3CA018	● F025H4CA018
● F025H2CA030	● F025H3CA030	● F025H4CA030
● F025H2CA033	● F025H3CA033	● F025H4CA033

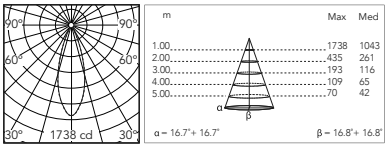


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2DA001	○ F025H3DA001	○ F025H4DA001
● F025H2DA006	● F025H3DA006	● F025H4DA006
● F025H2DA012	● F025H3DA012	● F025H4DA012
● F025H2DA018	● F025H3DA018	● F025H4DA018
● F025H2DA030	● F025H3DA030	● F025H4DA030
● F025H2DA033	● F025H3DA033	● F025H4DA033

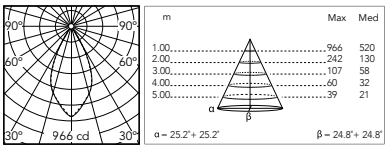


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2EA001	○ F025H3EA001	○ F025H4EA001
● F025H2EA006	● F025H3EA006	● F025H4EA006
● F025H2EA012	● F025H3EA012	● F025H4EA012
● F025H2EA018	● F025H3EA018	● F025H4EA018
● F025H2EA030	● F025H3EA030	● F025H4EA030
● F025H2EA033	● F025H3EA033	● F025H4EA033

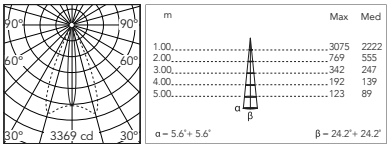


@ 3000K

Optic Elliptical 1 11,5º x 49º

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2FA001	○ F025H3FA001	○ F025H4FA001
● F025H2FA006	● F025H3FA006	● F025H4FA006
● F025H2FA012	● F025H3FA012	● F025H4FA012
● F025H2FA018	● F025H3FA018	● F025H4FA018
● F025H2FA030	● F025H3FA030	● F025H4FA030
● F025H2FA033	● F025H3FA033	● F025H4FA033

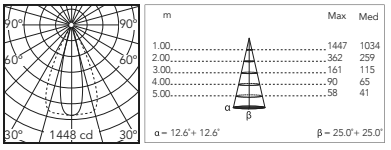


@ 3000K

Optic Elliptical 2 25,5º x 50º

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2GA001	○ F025H3GA001	○ F025H4GA001
● F025H2GA006	● F025H3GA006	● F025H4GA006
● F025H2GA012	● F025H3GA012	● F025H4GA012
● F025H2GA018	● F025H3GA018	● F025H4GA018
● F025H2GA030	● F025H3GA030	● F025H4GA030
● F025H2GA033	● F025H3GA033	● F025H4GA033

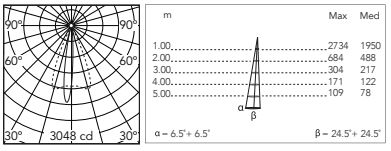


@ 3000K

Optic Wall Washer

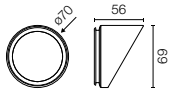
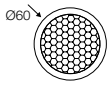
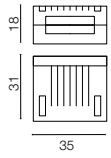
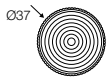
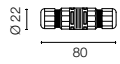
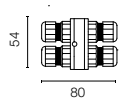
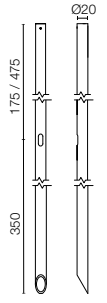
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025H2HA001	○ F025H3HA001	○ F025H4HA001
● F025H2HA006	● F025H3HA006	● F025H4HA006
● F025H2HA012	● F025H3HA012	● F025H4HA012
● F025H2HA018	● F025H3HA018	● F025H4HA018
● F025H2HA030	● F025H3HA030	● F025H4HA030
● F025H2HA033	● F025H3HA033	● F025H4HA033



@ 3000K

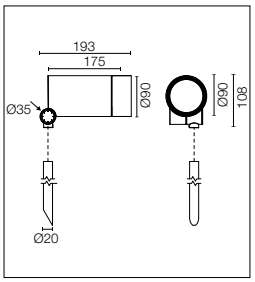
Spine F 1 Ultra: Accessori / Accessories

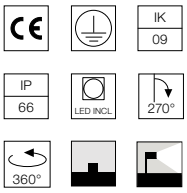
Visor	Visor	○ F025Z050001 ● F025Z050006 ● F025Z050012 ● F025Z050018 ● F025Z050030 ● F025Z050033		
Honeycomb	Honeycomb Louvre	F025Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000		
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Asta lunghezza 200 - 500 mm fuori terra per installazione nel terreno	Pole with an overground length of 200 - 500 mm for ground installation.	200 mm ○ F026Z020001 ● F026Z020006 ● F026Z020012 ● F026Z020018 ● F026Z020030 ● F026Z020033 500 mm ○ F026Z030001 ● F026Z030006 ● F026Z030012 ● F026Z030018 ● F026Z030030 ● F026Z030033		



Spine F 2 Ultra







Sorgente Power LED. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/ OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

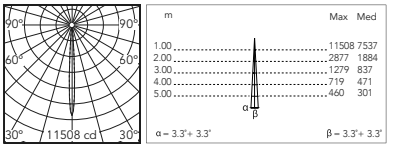
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2AA001	○ F026G3AA001	○ F026G4AA001
● F026G2AA006	● F026G3AA006	● F026G4AA006
● F026G2AA012	● F026G3AA012	● F026G4AA012
● F026G2AA018	● F026G3AA018	● F026G4AA018
● F026G2AA030	● F026G3AA030	● F026G4AA030
● F026G2AA033	● F026G3AA033	● F026G4AA033
1-10V	1-10V	1-10V
○ F026G2AB001	○ F026G3AB001	○ F026G4AB001
● F026G2AB006	● F026G3AB006	● F026G4AB006
● F026G2AB012	● F026G3AB012	● F026G4AB012
● F026G2AB018	● F026G3AB018	● F026G4AB018
● F026G2AB030	● F026G3AB030	● F026G4AB030
● F026G2AB033	● F026G3AB033	● F026G4AB033
Dali	Dali	Dali
○ F026G2AD001	○ F026G3AD001	○ F026G4AD001
● F026G2AD006	● F026G3AD006	● F026G4AD006
● F026G2AD012	● F026G3AD012	● F026G4AD012
● F026G2AD018	● F026G3AD018	● F026G4AD018
● F026G2AD030	● F026G3AD030	● F026G4AD030
● F026G2AD033	● F026G3AD033	● F026G4AD033

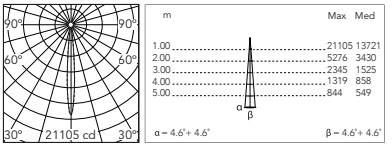


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2BA001	○ F026G3BA001	○ F026G4BA001
● F026G2BA006	● F026G3BA006	● F026G4BA006
● F026G2BA012	● F026G3BA012	● F026G4BA012
● F026G2BA018	● F026G3BA018	● F026G4BA018
● F026G2BA030	● F026G3BA030	● F026G4BA030
● F026G2BA033	● F026G3BA033	● F026G4BA033
1-10V	1-10V	1-10V
○ F026G2BB001	○ F026G3BB001	○ F026G4BB001
● F026G2BB006	● F026G3BB006	● F026G4BB006
● F026G2BB012	● F026G3BB012	● F026G4BB012
● F026G2BB018	● F026G3BB018	● F026G4BB018
● F026G2BB030	● F026G3BB030	● F026G4BB030
● F026G2BB033	● F026G3BB033	● F026G4BB033
Dali	Dali	Dali
○ F026G2BD001	○ F026G3BD001	○ F026G4BD001
● F026G2BD006	● F026G3BD006	● F026G4BD006
● F026G2BD012	● F026G3BD012	● F026G4BD012
● F026G2BD018	● F026G3BD018	● F026G4BD018
● F026G2BD030	● F026G3BD030	● F026G4BD030
● F026G2BD033	● F026G3BD033	● F026G4BD033

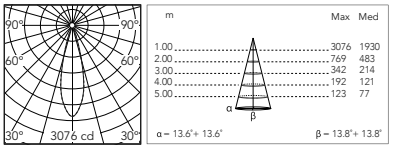


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2CA001	○ F026G3CA001	○ F026G4CA001
● F026G2CA006	● F026G3CA006	● F026G4CA006
● F026G2CA012	● F026G3CA012	● F026G4CA012
● F026G2CA018	● F026G3CA018	● F026G4CA018
● F026G2CA030	● F026G3CA030	● F026G4CA030
● F026G2CA033	● F026G3CA033	● F026G4CA033
1-10V	1-10V	1-10V
○ F026G2CB001	○ F026G3CB001	○ F026G4CB001
● F026G2CB006	● F026G3CB006	● F026G4CB006
● F026G2CB012	● F026G3CB012	● F026G4CB012
● F026G2CB018	● F026G3CB018	● F026G4CB018
● F026G2CB030	● F026G3CB030	● F026G4CB030
● F026G2CB033	● F026G3CB033	● F026G4CB033
Dali	Dali	Dali
○ F026G2CD001	○ F026G3CD001	○ F026G4CD001
● F026G2CD006	● F026G3CD006	● F026G4CD006
● F026G2CD012	● F026G3CD012	● F026G4CD012
● F026G2CD018	● F026G3CD018	● F026G4CD018
● F026G2CD030	● F026G3CD030	● F026G4CD030
● F026G2CD033	● F026G3CD033	● F026G4CD033

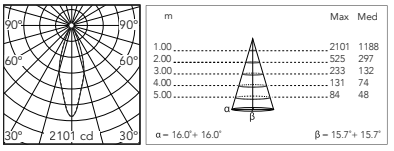


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2DA001	○ F026G3DA001	○ F026G4DA001
● F026G2DA006	● F026G3DA006	● F026G4DA006
● F026G2DA012	● F026G3DA012	● F026G4DA012
● F026G2DA018	● F026G3DA018	● F026G4DA018
● F026G2DA030	● F026G3DA030	● F026G4DA030
● F026G2DA033	● F026G3DA033	● F026G4DA033
1-10V	1-10V	1-10V
○ F026G2DB001	○ F026G3DB001	○ F026G4DB001
● F026G2DB006	● F026G3DB006	● F026G4DB006
● F026G2DB012	● F026G3DB012	● F026G4DB012
● F026G2DB018	● F026G3DB018	● F026G4DB018
● F026G2DB030	● F026G3DB030	● F026G4DB030
● F026G2DB033	● F026G3DB033	● F026G4DB033
Dali	Dali	Dali
○ F026G2DD001	○ F026G3DD001	○ F026G4DD001
● F026G2DD006	● F026G3DD006	● F026G4DD006
● F026G2DD012	● F026G3DD012	● F026G4DD012
● F026G2DD018	● F026G3DD018	● F026G4DD018
● F026G2DD030	● F026G3DD030	● F026G4DD030
● F026G2DD033	● F026G3DD033	● F026G4DD033

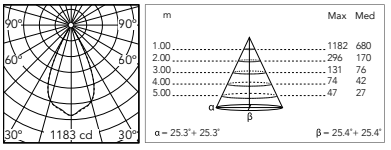


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2EA001	○ F026G3EA001	○ F026G4EA001
● F026G2EA006	● F026G3EA006	● F026G4EA006
● F026G2EA012	● F026G3EA012	● F026G4EA012
● F026G2EA018	● F026G3EA018	● F026G4EA018
● F026G2EA030	● F026G3EA030	● F026G4EA030
● F026G2EA033	● F026G3EA033	● F026G4EA033
1-10V	1-10V	1-10V
○ F026G2EB001	○ F026G3EB001	○ F026G4EB001
● F026G2EB006	● F026G3EB006	● F026G4EB006
● F026G2EB012	● F026G3EB012	● F026G4EB012
● F026G2EB018	● F026G3EB018	● F026G4EB018
● F026G2EB030	● F026G3EB030	● F026G4EB030
● F026G2EB033	● F026G3EB033	● F026G4EB033
Dali	Dali	Dali
○ F026G2ED001	○ F026G3ED001	○ F026G4ED001
● F026G2ED006	● F026G3ED006	● F026G4ED006
● F026G2ED012	● F026G3ED012	● F026G4ED012
● F026G2ED018	● F026G3ED018	● F026G4ED018
● F026G2ED030	● F026G3ED030	● F026G4ED030
● F026G2ED033	● F026G3ED033	● F026G4ED033

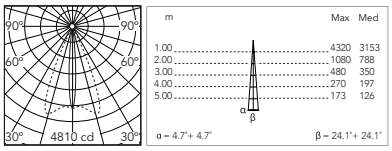


@ 3000K

Optic Elliptical 1 9,5° x 48°

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2FA001	○ F026G3FA001	○ F026G4FA001
● F026G2FA006	● F026G3FA006	● F026G4FA006
● F026G2FA012	● F026G3FA012	● F026G4FA012
● F026G2FA018	● F026G3FA018	● F026G4FA018
● F026G2FA030	● F026G3FA030	● F026G4FA030
● F026G2FA033	● F026G3FA033	● F026G4FA033
1-10V	1-10V	1-10V
○ F026G2FB001	○ F026G3FB001	○ F026G4FB001
● F026G2FB006	● F026G3FB006	● F026G4FB006
● F026G2FB012	● F026G3FB012	● F026G4FB012
● F026G2FB018	● F026G3FB018	● F026G4FB018
● F026G2FB030	● F026G3FB030	● F026G4FB030
● F026G2FB033	● F026G3FB033	● F026G4FB033
Dali	Dali	Dali
○ F026G2FD001	○ F026G3FD001	○ F026G4FD001
● F026G2FD006	● F026G3FD006	● F026G4FD006
● F026G2FD012	● F026G3FD012	● F026G4FD012
● F026G2FD018	● F026G3FD018	● F026G4FD018
● F026G2FD030	● F026G3FD030	● F026G4FD030
● F026G2FD033	● F026G3FD033	● F026G4FD033

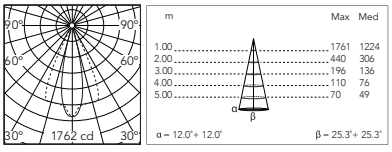


@ 3000K

Optic Elliptical 2 24° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2GA001	○ F026G3GA001	○ F026G4GA001
● F026G2GA006	● F026G3GA006	● F026G4GA006
● F026G2GA012	● F026G3GA012	● F026G4GA012
● F026G2GA018	● F026G3GA018	● F026G4GA018
● F026G2GA030	● F026G3GA030	● F026G4GA030
● F026G2GA033	● F026G3GA033	● F026G4GA033
1-10V	1-10V	1-10V
○ F026G2GB001	○ F026G3GB001	○ F026G4GB001
● F026G2GB006	● F026G3GB006	● F026G4GB006
● F026G2GB012	● F026G3GB012	● F026G4GB012
● F026G2GB018	● F026G3GB018	● F026G4GB018
● F026G2GB030	● F026G3GB030	● F026G4GB030
● F026G2GB033	● F026G3GB033	● F026G4GB033
Dali	Dali	Dali
○ F026G2GD001	○ F026G3GD001	○ F026G4GD001
● F026G2GD006	● F026G3GD006	● F026G4GD006
● F026G2GD012	● F026G3GD012	● F026G4GD012
● F026G2GD018	● F026G3GD018	● F026G4GD018
● F026G2GD030	● F026G3GD030	● F026G4GD030
● F026G2GD033	● F026G3GD033	● F026G4GD033

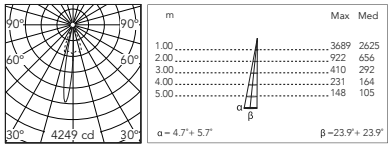


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

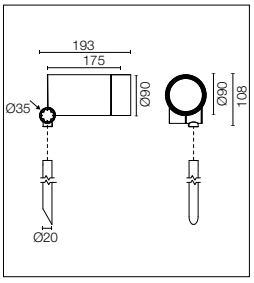
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026G2HA001	○ F026G3HA001	○ F026G4HA001
● F026G2HA006	● F026G3HA006	● F026G4HA006
● F026G2HA012	● F026G3HA012	● F026G4HA012
● F026G2HA018	● F026G3HA018	● F026G4HA018
● F026G2HA030	● F026G3HA030	● F026G4HA030
● F026G2HA033	● F026G3HA033	● F026G4HA033
1-10V	1-10V	1-10V
○ F026G2HB001	○ F026G3HB001	○ F026G4HB001
● F026G2HB006	● F026G3HB006	● F026G4HB006
● F026G2HB012	● F026G3HB012	● F026G4HB012
● F026G2HB018	● F026G3HB018	● F026G4HB018
● F026G2HB030	● F026G3HB030	● F026G4HB030
● F026G2HB033	● F026G3HB033	● F026G4HB033
Dali	Dali	Dali
○ F026G2HD001	○ F026G3HD001	○ F026G4HD001
● F026G2HD006	● F026G3HD006	● F026G4HD006
● F026G2HD012	● F026G3HD012	● F026G4HD012
● F026G2HD018	● F026G3HD018	● F026G4HD018
● F026G2HD030	● F026G3HD030	● F026G4HD030
● F026G2HD033	● F026G3HD033	● F026G4HD033

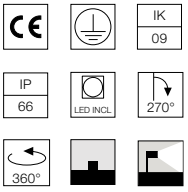


@ 3000K

Spine F 2 Ultra Hp







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Accessorio asta per installazione a terra disponibile in due lunghezze da ordinare separatamente.

2200K disponibile su richiesta.

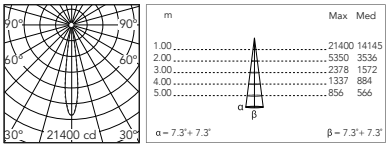
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026H2BA001	○ F026H3BA001	○ F026H4BA001
● F026H2BA006	● F026H3BA006	● F026H4BA006
● F026H2BA012	● F026H3BA012	● F026H4BA012
● F026H2BA018	● F026H3BA018	● F026H4BA018
● F026H2BA030	● F026H3BA030	● F026H4BA030
● F026H2BA033	● F026H3BA033	● F026H4BA033
1-10V	1-10V	1-10V
○ F026H2BB001	○ F026H3BB001	○ F026H4BB001
● F026H2BB006	● F026H3BB006	● F026H4BB006
● F026H2BB012	● F026H3BB012	● F026H4BB012
● F026H2BB018	● F026H3BB018	● F026H4BB018
● F026H2BB030	● F026H3BB030	● F026H4BB030
● F026H2BB033	● F026H3BB033	● F026H4BB033
Dali	Dali	Dali
○ F026H2BD001	○ F026H3BD001	○ F026H4BD001
● F026H2BD006	● F026H3BD006	● F026H4BD006
● F026H2BD012	● F026H3BD012	● F026H4BD012
● F026H2BD018	● F026H3BD018	● F026H4BD018
● F026H2BD030	● F026H3BD030	● F026H4BD030
● F026H2BD033	● F026H3BD033	● F026H4BD033

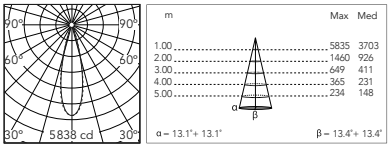


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026H2CA001	○ F026H3CA001	○ F026H4CA001
● F026H2CA006	● F026H3CA006	● F026H4CA006
● F026H2CA012	● F026H3CA012	● F026H4CA012
● F026H2CA018	● F026H3CA018	● F026H4CA018
● F026H2CA030	● F026H3CA030	● F026H4CA030
● F026H2CA033	● F026H3CA033	● F026H4CA033
1-10V	1-10V	1-10V
○ F026H2CB001	○ F026H3CB001	○ F026H4CB001
● F026H2CB006	● F026H3CB006	● F026H4CB006
● F026H2CB012	● F026H3CB012	● F026H4CB012
● F026H2CB018	● F026H3CB018	● F026H4CB018
● F026H2CB030	● F026H3CB030	● F026H4CB030
● F026H2CB033	● F026H3CB033	● F026H4CB033
Dali	Dali	Dali
○ F026H2CD001	○ F026H3CD001	○ F026H4CD001
● F026H2CD006	● F026H3CD006	● F026H4CD006
● F026H2CD012	● F026H3CD012	● F026H4CD012
● F026H2CD018	● F026H3CD018	● F026H4CD018
● F026H2CD030	● F026H3CD030	● F026H4CD030
● F026H2CD033	● F026H3CD033	● F026H4CD033

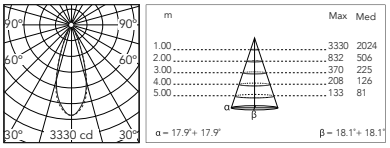


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026H2DA001	○ F026H3DA001	○ F026H4DA001
● F026H2DA006	● F026H3DA006	● F026H4DA006
● F026H2DA012	● F026H3DA012	● F026H4DA012
● F026H2DA018	● F026H3DA018	● F026H4DA018
● F026H2DA030	● F026H3DA030	● F026H4DA030
● F026H2DA033	● F026H3DA033	● F026H4DA033
1-10V	1-10V	1-10V
○ F026H2DB001	○ F026H3DB001	○ F026H4DB001
● F026H2DB006	● F026H3DB006	● F026H4DB006
● F026H2DB012	● F026H3DB012	● F026H4DB012
● F026H2DB018	● F026H3DB018	● F026H4DB018
● F026H2DB030	● F026H3DB030	● F026H4DB030
● F026H2DB033	● F026H3DB033	● F026H4DB033
Dali	Dali	Dali
○ F026H2DD001	○ F026H3DD001	○ F026H4DD001
● F026H2DD006	● F026H3DD006	● F026H4DD006
● F026H2DD012	● F026H3DD012	● F026H4DD012
● F026H2DD018	● F026H3DD018	● F026H4DD018
● F026H2DD030	● F026H3DD030	● F026H4DD030
● F026H2DD033	● F026H3DD033	● F026H4DD033

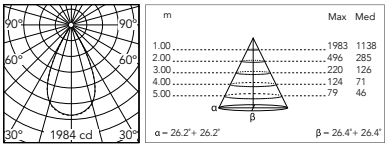


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026H2EA001	○ F026H3EA001	○ F026H4EA001
● F026H2EA006	● F026H3EA006	● F026H4EA006
● F026H2EA012	● F026H3EA012	● F026H4EA012
● F026H2EA018	● F026H3EA018	● F026H4EA018
● F026H2EA030	● F026H3EA030	● F026H4EA030
● F026H2EA033	● F026H3EA033	● F026H4EA033
1-10V	1-10V	1-10V
○ F026H2EB001	○ F026H3EB001	○ F026H4EB001
● F026H2EB006	● F026H3EB006	● F026H4EB006
● F026H2EB012	● F026H3EB012	● F026H4EB012
● F026H2EB018	● F026H3EB018	● F026H4EB018
● F026H2EB030	● F026H3EB030	● F026H4EB030
● F026H2EB033	● F026H3EB033	● F026H4EB033
Dali	Dali	Dali
○ F026H2ED001	○ F026H3ED001	○ F026H4ED001
● F026H2ED006	● F026H3ED006	● F026H4ED006
● F026H2ED012	● F026H3ED012	● F026H4ED012
● F026H2ED018	● F026H3ED018	● F026H4ED018
● F026H2ED030	● F026H3ED030	● F026H4ED030
● F026H2ED033	● F026H3ED033	● F026H4ED033

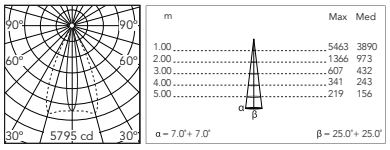


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026H2FA001	○ F026H3FA001	○ F026H4FA001
● F026H2FA006	● F026H3FA006	● F026H4FA006
● F026H2FA012	● F026H3FA012	● F026H4FA012
● F026H2FA018	● F026H3FA018	● F026H4FA018
● F026H2FA030	● F026H3FA030	● F026H4FA030
● F026H2FA033	● F026H3FA033	● F026H4FA033
1-10V	1-10V	1-10V
○ F026H2FB001	○ F026H3FB001	○ F026H4FB001
● F026H2FB006	● F026H3FB006	● F026H4FB006
● F026H2FB012	● F026H3FB012	● F026H4FB012
● F026H2FB018	● F026H3FB018	● F026H4FB018
● F026H2FB030	● F026H3FB030	● F026H4FB030
● F026H2FB033	● F026H3FB033	● F026H4FB033
Dali	Dali	Dali
○ F026H2FD001	○ F026H3FD001	○ F026H4FD001
● F026H2FD006	● F026H3FD006	● F026H4FD006
● F026H2FD012	● F026H3FD012	● F026H4FD012
● F026H2FD018	● F026H3FD018	● F026H4FD018
● F026H2FD030	● F026H3FD030	● F026H4FD030
● F026H2FD033	● F026H3FD033	● F026H4FD033



@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F026H2GA001
- F026H2GA006
- F026H2GA012
- F026H2GA018
- F026H2GA030
- F026H2GA033

1-10V

- ○ F026H2GB001
- F026H2GB006
- F026H2GB012
- F026H2GB018
- F026H2GB030
- F026H2GB033

Dali

- ○ F026H2GD001
- F026H2GD006
- F026H2GD012
- F026H2GD018
- F026H2GD030
- F026H2GD033

3000K

Non Dimmable

- ○ F026H3GA001
- F026H3GA006
- F026H3GA012
- F026H3GA018
- F026H3GA030
- F026H3GA033

1-10V

- ○ F026H3GB001
- F026H3GB006
- F026H3GB012
- F026H3GB018
- F026H3GB030
- F026H3GB033

Dali

- ○ F026H3GD001
- F026H3GD006
- F026H3GD012
- F026H3GD018
- F026H3GD030
- F026H3GD033

4000K

Non Dimmable

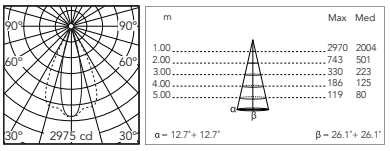
- ○ F026H4GA001
- F026H4GA006
- F026H4GA012
- F026H4GA018
- F026H4GA030
- F026H4GA033

1-10V

- ○ F026H4GB001
- F026H4GB006
- F026H4GB012
- F026H4GB018
- F026H4GB030
- F026H4GB033

Dali

- ○ F026H4GD001
- F026H4GD006
- F026H4GD012
- F026H4GD018
- F026H4GD030
- F026H4GD033



@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F026H2HA001
- F026H2HA006
- F026H2HA012
- F026H2HA018
- F026H2HA030
- F026H2HA033

1-10V

- ○ F026H2HB001
- F026H2HB006
- F026H2HB012
- F026H2HB018
- F026H2HB030
- F026H2HB033

Dali

- ○ F026H2HD001
- F026H2HD006
- F026H2HD012
- F026H2HD018
- F026H2HD030
- F026H2HD033

3000K

Non Dimmable

- ○ F026H3HA001
- F026H3HA006
- F026H3HA012
- F026H3HA018
- F026H3HA030
- F026H3HA033

1-10V

- ○ F026H3HB001
- F026H3HB006
- F026H3HB012
- F026H3HB018
- F026H3HB030
- F026H3HB033

Dali

- ○ F026H3HD001
- F026H3HD006
- F026H3HD012
- F026H3HD018
- F026H3HD030
- F026H3HD033

4000K

Non Dimmable

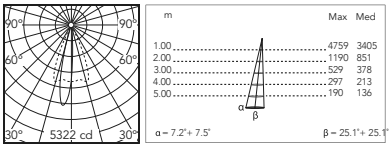
- ○ F026H4HA001
- F026H4HA006
- F026H4HA012
- F026H4HA018
- F026H4HA030
- F026H4HA033

1-10V

- ○ F026H4HB001
- F026H4HB006
- F026H4HB012
- F026H4HB018
- F026H4HB030
- F026H4HB033

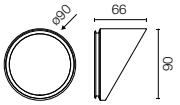
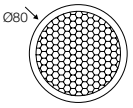
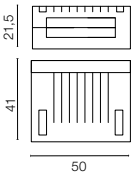
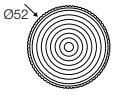
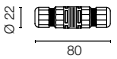
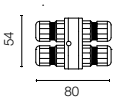
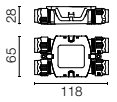
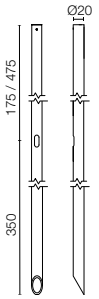
Dali

- ○ F026H4HD001
- F026H4HD006
- F026H4HD012
- F026H4HD018
- F026H4HD030
- F026H4HD033



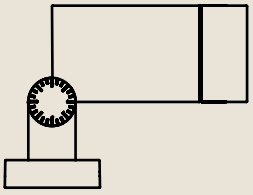
@ 3000K

Spine F 2 Ultra: Accessori / Accessories

Visor	Visor	○ F026Z050001 ● F026Z050006 ● F026Z050012 ● F026Z050018 ● F026Z050030 ● F026Z050033		
Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		
Asta lunghezza 200 - 500 mm fuori terra per installazione nel terreno	Pole with an overground length of 200 - 500 mm for ground installation.	200 mm ○ F026Z020001 ● F026Z020006 ● F026Z020012 ● F026Z020018 ● F026Z020030 ● F026Z020033 500 mm ○ F026Z030001 ● F026Z030006 ● F026Z030012 ● F026Z030018 ● F026Z030030 ● F026Z030033		



Spine L

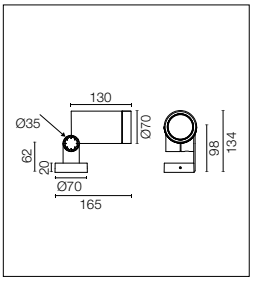


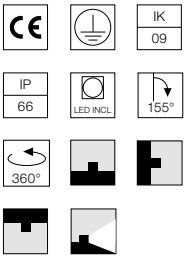
La versione con braccio a L consente una facile connessione grazie alla possibilità dell'ingresso cavo laterale e un ingombro minimo in grado di soddisfare qualsiasi esigenza di installazione.

The L bracket option allows for an easier connection thanks to the possibility of a side cable entry as well as minimal size to meet any exigencies.

Spine L 1 Absolute







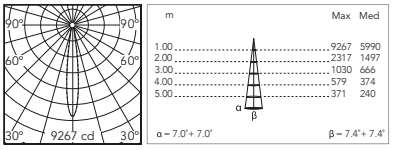
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 15°

CoB Led: 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025Q2BA001	○ F025Q3BA001	○ F025Q4BA001
● F025Q2BA006	● F025Q3BA006	● F025Q4BA006
● F025Q2BA012	● F025Q3BA012	● F025Q4BA012
● F025Q2BA018	● F025Q3BA018	● F025Q4BA018
● F025Q2BA030	● F025Q3BA030	● F025Q4BA030
● F025Q2BA033	● F025Q3BA033	● F025Q4BA033

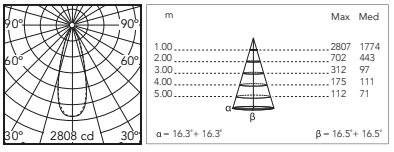


@ 3000K

Optic Medium Flood 33°

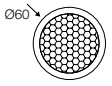
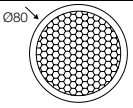
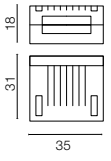
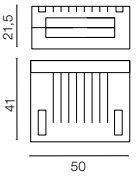
CoB Led: 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025Q2CA001	○ F025Q3CA001	○ F025Q4CA001
● F025Q2CA006	● F025Q3CA006	● F025Q4CA006
● F025Q2CA012	● F025Q3CA012	● F025Q4CA012
● F025Q2CA018	● F025Q3CA018	● F025Q4CA018
● F025Q2CA030	● F025Q3CA030	● F025Q4CA030
● F025Q2CA033	● F025Q3CA033	● F025Q4CA033

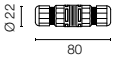
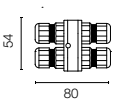


@ 3000K

Spine L 1 / L 2 Absolute: Accessori / Accessories

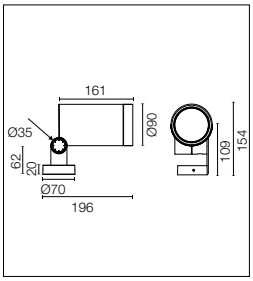
Honeycomb	Honeycomb Louvre	Spine L 1 F025Z060000		
Honeycomb	Honeycomb Louvre	Spine L 2 F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine L 1 F990C100000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine L 2 F990C110000		

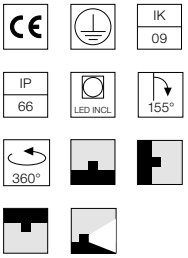
Spine L 1 / L 2 Absolute: Accessori per versioni non dimmable / Accessories for non-dimmable versions

Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Spine L 2 Absolute







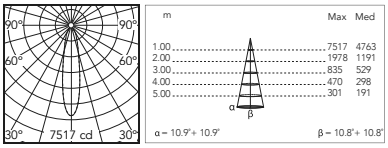
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Spot 22°

CoB Led: 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026Q2BA001.A	○ F026Q3BA001	○ F026Q4BA001.A
● F026Q2BA006.A	● F026Q3BA006	● F026Q4BA006.A
● F026Q2BA012.A	● F026Q3BA012	● F026Q4BA012.A
● F026Q2BA018.A	● F026Q3BA018	● F026Q4BA018.A
● F026Q2BA030.A	● F026Q3BA030	● F026Q4BA030.A
● F026Q2BA033.A	● F026Q3BA033	● F026Q4BA033.A
1-10V	1-10V	1-10V
○ F026Q2BB001.A	○ F026Q3BB001	○ F026Q4BB001.A
● F026Q2BB006.A	● F026Q3BB006	● F026Q4BB006.A
● F026Q2BB012.A	● F026Q3BB012	● F026Q4BB012.A
● F026Q2BB018.A	● F026Q3BB018	● F026Q4BB018.A
● F026Q2BB030.A	● F026Q3BB030	● F026Q4BB030.A
● F026Q2BB033.A	● F026Q3BB033	● F026Q4BB033.A
Dali	Dali	Dali
○ F026Q2BD001.A	○ F026Q3BD001	○ F026Q4BD001.A
● F026Q2BD006.A	● F026Q3BD006	● F026Q4BD006.A
● F026Q2BD012.A	● F026Q3BD012	● F026Q4BD012.A
● F026Q2BD018.A	● F026Q3BD018	● F026Q4BD018.A
● F026Q2BD030.A	● F026Q3BD030	● F026Q4BD030.A
● F026Q2BD033.A	● F026Q3BD033	● F026Q4BD033.A

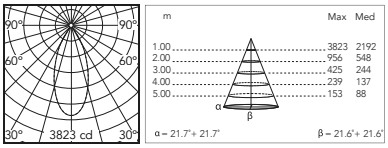


@ 3000K

Optic Medium Flood 43°

CoB Led: 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026Q2CA001.A	○ F026Q3CA001	○ F026Q4CA001.A
● F026Q2CA006.A	● F026Q3CA006	● F026Q4CA006.A
● F026Q2CA012.A	● F026Q3CA012	● F026Q4CA012.A
● F026Q2CA018.A	● F026Q3CA018	● F026Q4CA018.A
● F026Q2CA030.A	● F026Q3CA030	● F026Q4CA030.A
● F026Q2CA033.A	● F026Q3CA033	● F026Q4CA033.A
1-10V	1-10V	1-10V
○ F026Q2CB001.A	○ F026Q3CB001	○ F026Q4CB001.A
● F026Q2CB006.A	● F026Q3CB006	● F026Q4CB006.A
● F026Q2CB012.A	● F026Q3CB012	● F026Q4CB012.A
● F026Q2CB018.A	● F026Q3CB018	● F026Q4CB018.A
● F026Q2CB030.A	● F026Q3CB030	● F026Q4CB030.A
● F026Q2CB033.A	● F026Q3CB033	● F026Q4CB033.A
Dali	Dali	Dali
○ F026Q2CD001.A	○ F026Q3CD001	○ F026Q4CD001.A
● F026Q2CD006.A	● F026Q3CD006	● F026Q4CD006.A
● F026Q2CD012.A	● F026Q3CD012	● F026Q4CD012.A
● F026Q2CD018.A	● F026Q3CD018	● F026Q4CD018.A
● F026Q2CD030.A	● F026Q3CD030	● F026Q4CD030.A
● F026Q2CD033.A	● F026Q3CD033	● F026Q4CD033.A



@ 3000K

Spine L 2 Absolute: Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000

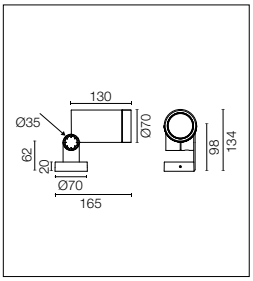


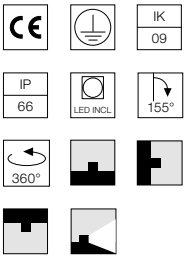
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000



Spine L 1 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

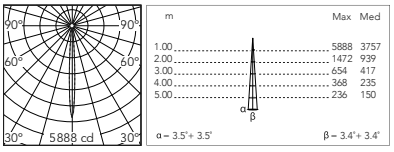
Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025V2AA001	○ F025V3AA001	○ F025V4AA001
● F025V2AA006	● F025V3AA006	● F025V4AA006
● F025V2AA012	● F025V3AA012	● F025V4AA012
● F025V2AA018	● F025V3AA018	● F025V4AA018
● F025V2AA030	● F025V3AA030	● F025V4AA030
● F025V2AA033	● F025V3AA033	● F025V4AA033

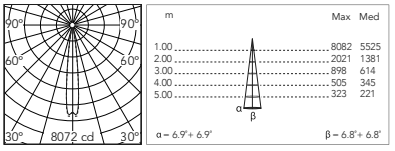


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025V2BA001	○ F025V3BA001	○ F025V4BA001
● F025V2BA006	● F025V3BA006	● F025V4BA006
● F025V2BA012	● F025V3BA012	● F025V4BA012
● F025V2BA018	● F025V3BA018	● F025V4BA018
● F025V2BA030	● F025V3BA030	● F025V4BA030
● F025V2BA033	● F025V3BA033	● F025V4BA033

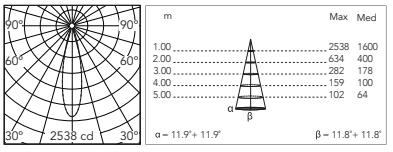


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025V2CA001	○ F025V3CA001	○ F025V4CA001
● F025V2CA006	● F025V3CA006	● F025V4CA006
● F025V2CA012	● F025V3CA012	● F025V4CA012
● F025V2CA018	● F025V3CA018	● F025V4CA018
● F025V2CA030	● F025V3CA030	● F025V4CA030
● F025V2CA033	● F025V3CA033	● F025V4CA033

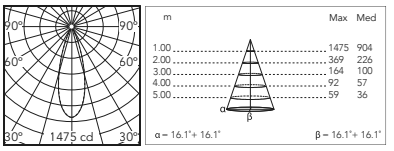


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025V2DA001	○ F025V3DA001	○ F025V4DA001
● F025V2DA006	● F025V3DA006	● F025V4DA006
● F025V2DA012	● F025V3DA012	● F025V4DA012
● F025V2DA018	● F025V3DA018	● F025V4DA018
● F025V2DA030	● F025V3DA030	● F025V4DA030
● F025V2DA033	● F025V3DA033	● F025V4DA033

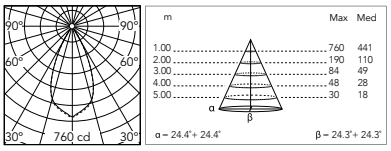


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025V2EA001	F025V3EA001	F025V4EA001
F025V2EA006	F025V3EA006	F025V4EA006
F025V2EA012	F025V3EA012	F025V4EA012
F025V2EA018	F025V3EA018	F025V4EA018
F025V2EA030	F025V3EA030	F025V4EA030
F025V2EA033	F025V3EA033	F025V4EA033

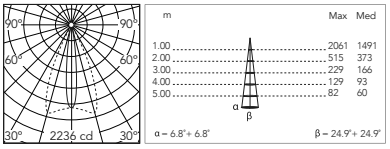


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025V2FA001	F025V3FA001	F025V4FA001
F025V2FA006	F025V3FA006	F025V4FA006
F025V2FA012	F025V3FA012	F025V4FA012
F025V2FA018	F025V3FA018	F025V4FA018
F025V2FA030	F025V3FA030	F025V4FA030
F025V2FA033	F025V3FA033	F025V4FA033

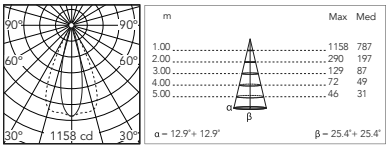


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025V2GA001	F025V3GA001	F025V4GA001
F025V2GA006	F025V3GA006	F025V4GA006
F025V2GA012	F025V3GA012	F025V4GA012
F025V2GA018	F025V3GA018	F025V4GA018
F025V2GA030	F025V3GA030	F025V4GA030
F025V2GA033	F025V3GA033	F025V4GA033

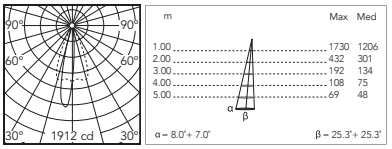


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

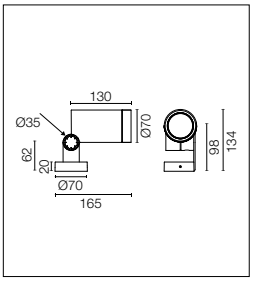
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F025V2HA001	F025V3HA001	F025V4HA001
F025V2HA006	F025V3HA006	F025V4HA006
F025V2HA012	F025V3HA012	F025V4HA012
F025V2HA018	F025V3HA018	F025V4HA018
F025V2HA030	F025V3HA030	F025V4HA030
F025V2HA033	F025V3HA033	F025V4HA033

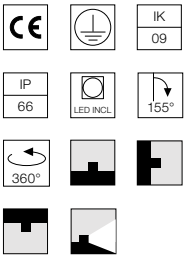


@ 3000K

Spine L 1 Pro Hp







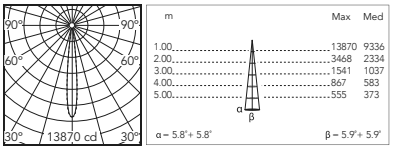
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025W2BA001	○ F025W3BA001	○ F025W4BA001
● F025W2BA006	● F025W3BA006	● F025W4BA006
● F025W2BA012	● F025W3BA012	● F025W4BA012
● F025W2BA018	● F025W3BA018	● F025W4BA018
● F025W2BA030	● F025W3BA030	● F025W4BA030
● F025W2BA033	● F025W3BA033	● F025W4BA033

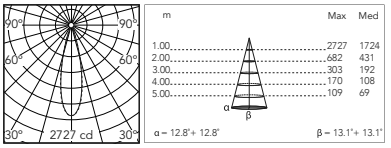


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025W2CA001	○ F025W3CA001	○ F025W4CA001
● F025W2CA006	● F025W3CA006	● F025W4CA006
● F025W2CA012	● F025W3CA012	● F025W4CA012
● F025W2CA018	● F025W3CA018	● F025W4CA018
● F025W2CA030	● F025W3CA030	● F025W4CA030
● F025W2CA033	● F025W3CA033	● F025W4CA033

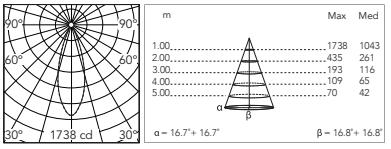


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025W2DA001	○ F025W3DA001	○ F025W4DA001
● F025W2DA006	● F025W3DA006	● F025W4DA006
● F025W2DA012	● F025W3DA012	● F025W4DA012
● F025W2DA018	● F025W3DA018	● F025W4DA018
● F025W2DA030	● F025W3DA030	● F025W4DA030
● F025W2DA033	● F025W3DA033	● F025W4DA033

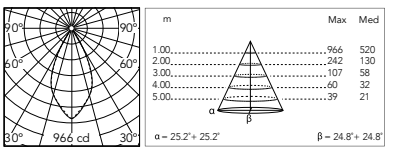


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025W2EA001	○ F025W3EA001	○ F025W4EA001
● F025W2EA006	● F025W3EA006	● F025W4EA006
● F025W2EA012	● F025W3EA012	● F025W4EA012
● F025W2EA018	● F025W3EA018	● F025W4EA018
● F025W2EA030	● F025W3EA030	● F025W4EA030
● F025W2EA033	● F025W3EA033	● F025W4EA033



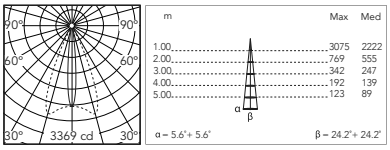
@ 3000K

Spine L 1 Pro Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025W2FA001	○ F025W3FA001	○ F025W4FA001
● F025W2FA006	● F025W3FA006	● F025W4FA006
● F025W2FA012	● F025W3FA012	● F025W4FA012
● F025W2FA018	● F025W3FA018	● F025W4FA018
● F025W2FA030	● F025W3FA030	● F025W4FA030
● F025W2FA033	● F025W3FA033	● F025W4FA033

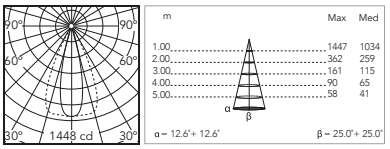


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025W2GA001	○ F025W3GA001	○ F025W4GA001
● F025W2GA006	● F025W3GA006	● F025W4GA006
● F025W2GA012	● F025W3GA012	● F025W4GA012
● F025W2GA018	● F025W3GA018	● F025W4GA018
● F025W2GA030	● F025W3GA030	● F025W4GA030
● F025W2GA033	● F025W3GA033	● F025W4GA033

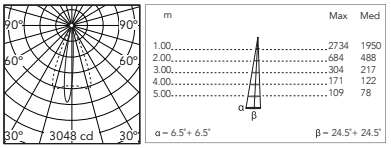


@ 3000K

Optic Wall Washer

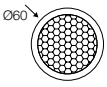
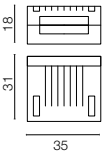
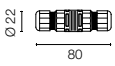
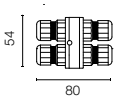
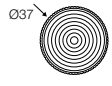
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025W2HA001	○ F025W3HA001	○ F025W4HA001
● F025W2HA006	● F025W3HA006	● F025W4HA006
● F025W2HA012	● F025W3HA012	● F025W4HA012
● F025W2HA018	● F025W3HA018	● F025W4HA018
● F025W2HA030	● F025W3HA030	● F025W4HA030
● F025W2HA033	● F025W3HA033	● F025W4HA033

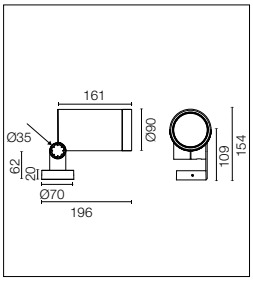


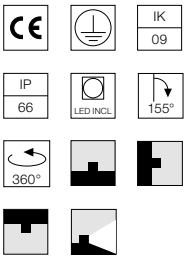
@ 3000K

Spine L 1 Pro: Accessori / Accessories

Honeycomb	Honeycomb Louvre	F025Z060000	 
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000	 
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000	 
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	 
Lenti converter / Converter lenses: - Converter Spine 1 Optic Medium Flood - Converter Spine 1 Optic Flood - Converter Spine 1 Optic Wide Flood - Converter Spine 1 Optic Elliptic 1 - Converter Spine 1 Optic Elliptic 2 - Converter Spine 1 Optic Wall Washer		F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000	 







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

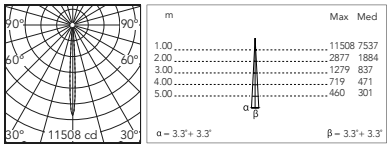
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2AA001	○ F026V3AA001	○ F026V4AA001
● F026V2AA006	● F026V3AA006	● F026V4AA006
● F026V2AA012	● F026V3AA012	● F026V4AA012
● F026V2AA018	● F026V3AA018	● F026V4AA018
● F026V2AA030	● F026V3AA030	● F026V4AA030
● F026V2AA033	● F026V3AA033	● F026V4AA033
1-10V	1-10V	1-10V
○ F026V2AB001	○ F026V3AB001	○ F026V4AB001
● F026V2AB006	● F026V3AB006	● F026V4AB006
● F026V2AB012	● F026V3AB012	● F026V4AB012
● F026V2AB018	● F026V3AB018	● F026V4AB018
● F026V2AB030	● F026V3AB030	● F026V4AB030
● F026V2AB033	● F026V3AB033	● F026V4AB033
Dali	Dali	Dali
○ F026V2AD001	○ F026V3AD001	○ F026V4AD001
● F026V2AD006	● F026V3AD006	● F026V4AD006
● F026V2AD012	● F026V3AD012	● F026V4AD012
● F026V2AD018	● F026V3AD018	● F026V4AD018
● F026V2AD030	● F026V3AD030	● F026V4AD030
● F026V2AD033	● F026V3AD033	● F026V4AD033

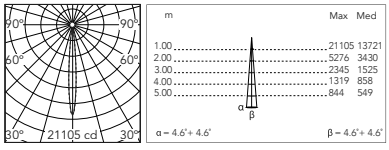


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2BA001	○ F026V3BA001	○ F026V4BA001
● F026V2BA006	● F026V3BA006	● F026V4BA006
● F026V2BA012	● F026V3BA012	● F026V4BA012
● F026V2BA018	● F026V3BA018	● F026V4BA018
● F026V2BA030	● F026V3BA030	● F026V4BA030
● F026V2BA033	● F026V3BA033	● F026V4BA033
1-10V	1-10V	1-10V
○ F026V2BB001	○ F026V3BB001	○ F026V4BB001
● F026V2BB006	● F026V3BB006	● F026V4BB006
● F026V2BB012	● F026V3BB012	● F026V4BB012
● F026V2BB018	● F026V3BB018	● F026V4BB018
● F026V2BB030	● F026V3BB030	● F026V4BB030
● F026V2BB033	● F026V3BB033	● F026V4BB033
Dali	Dali	Dali
○ F026V2BD001	○ F026V3BD001	○ F026V4BD001
● F026V2BD006	● F026V3BD006	● F026V4BD006
● F026V2BD012	● F026V3BD012	● F026V4BD012
● F026V2BD018	● F026V3BD018	● F026V4BD018
● F026V2BD030	● F026V3BD030	● F026V4BD030
● F026V2BD033	● F026V3BD033	● F026V4BD033

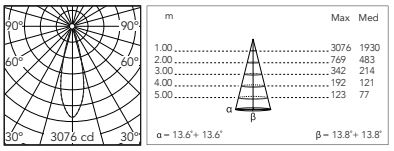


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2CA001	○ F026V3CA001	○ F026V4CA001
● F026V2CA006	● F026V3CA006	● F026V4CA006
● F026V2CA012	● F026V3CA012	● F026V4CA012
● F026V2CA018	● F026V3CA018	● F026V4CA018
● F026V2CA030	● F026V3CA030	● F026V4CA030
● F026V2CA033	● F026V3CA033	● F026V4CA033
1-10V	1-10V	1-10V
○ F026V2CB001	○ F026V3CB001	○ F026V4CB001
● F026V2CB006	● F026V3CB006	● F026V4CB006
● F026V2CB012	● F026V3CB012	● F026V4CB012
● F026V2CB018	● F026V3CB018	● F026V4CB018
● F026V2CB030	● F026V3CB030	● F026V4CB030
● F026V2CB033	● F026V3CB033	● F026V4CB033
Dali	Dali	Dali
○ F026V2CD001	○ F026V3CD001	○ F026V4CD001
● F026V2CD006	● F026V3CD006	● F026V4CD006
● F026V2CD012	● F026V3CD012	● F026V4CD012
● F026V2CD018	● F026V3CD018	● F026V4CD018
● F026V2CD030	● F026V3CD030	● F026V4CD030
● F026V2CD033	● F026V3CD033	● F026V4CD033

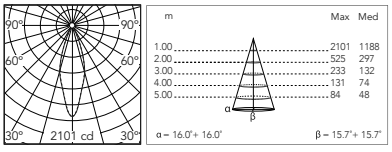


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2DA001	○ F026V3DA001	○ F026V4DA001
● F026V2DA006	● F026V3DA006	● F026V4DA006
● F026V2DA012	● F026V3DA012	● F026V4DA012
● F026V2DA018	● F026V3DA018	● F026V4DA018
● F026V2DA030	● F026V3DA030	● F026V4DA030
● F026V2DA033	● F026V3DA033	● F026V4DA033
1-10V	1-10V	1-10V
○ F026V2DB001	○ F026V3DB001	○ F026V4DB001
● F026V2DB006	● F026V3DB006	● F026V4DB006
● F026V2DB012	● F026V3DB012	● F026V4DB012
● F026V2DB018	● F026V3DB018	● F026V4DB018
● F026V2DB030	● F026V3DB030	● F026V4DB030
● F026V2DB033	● F026V3DB033	● F026V4DB033
Dali	Dali	Dali
○ F026V2DD001	○ F026V3DD001	○ F026V4DD001
● F026V2DD006	● F026V3DD006	● F026V4DD006
● F026V2DD012	● F026V3DD012	● F026V4DD012
● F026V2DD018	● F026V3DD018	● F026V4DD018
● F026V2DD030	● F026V3DD030	● F026V4DD030
● F026V2DD033	● F026V3DD033	● F026V4DD033

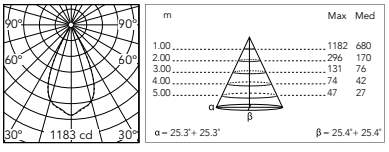


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2EA001	○ F026V3EA001	○ F026V4EA001
● F026V2EA006	● F026V3EA006	● F026V4EA006
● F026V2EA012	● F026V3EA012	● F026V4EA012
● F026V2EA018	● F026V3EA018	● F026V4EA018
● F026V2EA030	● F026V3EA030	● F026V4EA030
● F026V2EA033	● F026V3EA033	● F026V4EA033
1-10V	1-10V	1-10V
○ F026V2EB001	○ F026V3EB001	○ F026V4EB001
● F026V2EB006	● F026V3EB006	● F026V4EB006
● F026V2EB012	● F026V3EB012	● F026V4EB012
● F026V2EB018	● F026V3EB018	● F026V4EB018
● F026V2EB030	● F026V3EB030	● F026V4EB030
● F026V2EB033	● F026V3EB033	● F026V4EB033
Dali	Dali	Dali
○ F026V2ED001	○ F026V3ED001	○ F026V4ED001
● F026V2ED006	● F026V3ED006	● F026V4ED006
● F026V2ED012	● F026V3ED012	● F026V4ED012
● F026V2ED018	● F026V3ED018	● F026V4ED018
● F026V2ED030	● F026V3ED030	● F026V4ED030
● F026V2ED033	● F026V3ED033	● F026V4ED033

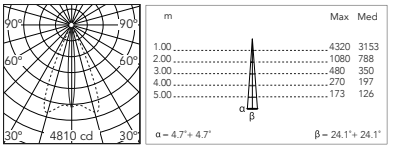


@ 3000K

Optic Elliptical 1 9,5° x 48°

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2FA001	○ F026V3FA001	○ F026V4FA001
● F026V2FA006	● F026V3FA006	● F026V4FA006
● F026V2FA012	● F026V3FA012	● F026V4FA012
● F026V2FA018	● F026V3FA018	● F026V4FA018
● F026V2FA030	● F026V3FA030	● F026V4FA030
● F026V2FA033	● F026V3FA033	● F026V4FA033
1-10V	1-10V	1-10V
○ F026V2FB001	○ F026V3FB001	○ F026V4FB001
● F026V2FB006	● F026V3FB006	● F026V4FB006
● F026V2FB012	● F026V3FB012	● F026V4FB012
● F026V2FB018	● F026V3FB018	● F026V4FB018
● F026V2FB030	● F026V3FB030	● F026V4FB030
● F026V2FB033	● F026V3FB033	● F026V4FB033
Dali	Dali	Dali
○ F026V2FD001	○ F026V3FD001	○ F026V4FD001
● F026V2FD006	● F026V3FD006	● F026V4FD006
● F026V2FD012	● F026V3FD012	● F026V4FD012
● F026V2FD018	● F026V3FD018	● F026V4FD018
● F026V2FD030	● F026V3FD030	● F026V4FD030
● F026V2FD033	● F026V3FD033	● F026V4FD033

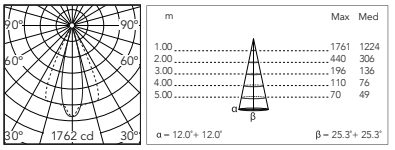


@ 3000K

Optic Elliptical 2 24° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2GA001	○ F026V3GA001	○ F026V4GA001
● F026V2GA006	● F026V3GA006	● F026V4GA006
● F026V2GA012	● F026V3GA012	● F026V4GA012
● F026V2GA018	● F026V3GA018	● F026V4GA018
● F026V2GA030	● F026V3GA030	● F026V4GA030
● F026V2GA033	● F026V3GA033	● F026V4GA033
1-10V	1-10V	1-10V
○ F026V2GB001	○ F026V3GB001	○ F026V4GB001
● F026V2GB006	● F026V3GB006	● F026V4GB006
● F026V2GB012	● F026V3GB012	● F026V4GB012
● F026V2GB018	● F026V3GB018	● F026V4GB018
● F026V2GB030	● F026V3GB030	● F026V4GB030
● F026V2GB033	● F026V3GB033	● F026V4GB033
Dali	Dali	Dali
○ F026V2GD001	○ F026V3GD001	○ F026V4GD001
● F026V2GD006	● F026V3GD006	● F026V4GD006
● F026V2GD012	● F026V3GD012	● F026V4GD012
● F026V2GD018	● F026V3GD018	● F026V4GD018
● F026V2GD030	● F026V3GD030	● F026V4GD030
● F026V2GD033	● F026V3GD033	● F026V4GD033

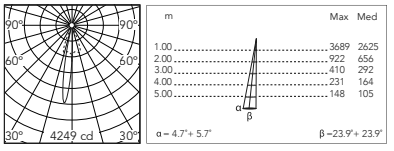


@ 3000K

Optic Wall Washer

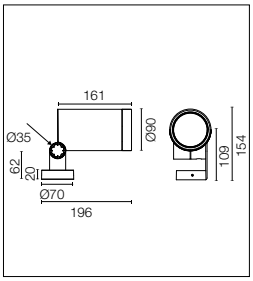
Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

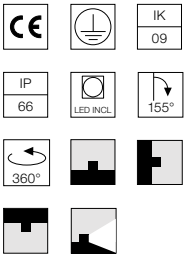
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026V2HA001	○ F026V3HA001	○ F026V4HA001
● F026V2HA006	● F026V3HA006	● F026V4HA006
● F026V2HA012	● F026V3HA012	● F026V4HA012
● F026V2HA018	● F026V3HA018	● F026V4HA018
● F026V2HA030	● F026V3HA030	● F026V4HA030
● F026V2HA033	● F026V3HA033	● F026V4HA033
1-10V	1-10V	1-10V
○ F026V2HB001	○ F026V3HB001	○ F026V4HB001
● F026V2HB006	● F026V3HB006	● F026V4HB006
● F026V2HB012	● F026V3HB012	● F026V4HB012
● F026V2HB018	● F026V3HB018	● F026V4HB018
● F026V2HB030	● F026V3HB030	● F026V4HB030
● F026V2HB033	● F026V3HB033	● F026V4HB033
Dali	Dali	Dali
○ F026V2HD001	○ F026V3HD001	○ F026V4HD001
● F026V2HD006	● F026V3HD006	● F026V4HD006
● F026V2HD012	● F026V3HD012	● F026V4HD012
● F026V2HD018	● F026V3HD018	● F026V4HD018
● F026V2HD030	● F026V3HD030	● F026V4HD030
● F026V2HD033	● F026V3HD033	● F026V4HD033



@ 3000K







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

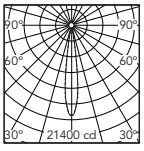
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

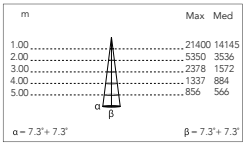
2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026W2BA001	○ F026W3BA001	○ F026W4BA001
● F026W2BA006	● F026W3BA006	● F026W4BA006
● F026W2BA012	● F026W3BA012	● F026W4BA012
● F026W2BA018	● F026W3BA018	● F026W4BA018
● F026W2BA030	● F026W3BA030	● F026W4BA030
● F026W2BA033	● F026W3BA033	● F026W4BA033
1-10V	1-10V	1-10V
○ F026W2BB001	○ F026W3BB001	○ F026W4BB001
● F026W2BB006	● F026W3BB006	● F026W4BB006
● F026W2BB012	● F026W3BB012	● F026W4BB012
● F026W2BB018	● F026W3BB018	● F026W4BB018
● F026W2BB030	● F026W3BB030	● F026W4BB030
● F026W2BB033	● F026W3BB033	● F026W4BB033
Dali	Dali	Dali
○ F026W2BD001	○ F026W3BD001	○ F026W4BD001
● F026W2BD006	● F026W3BD006	● F026W4BD006
● F026W2BD012	● F026W3BD012	● F026W4BD012
● F026W2BD018	● F026W3BD018	● F026W4BD018
● F026W2BD030	● F026W3BD030	● F026W4BD030
● F026W2BD033	● F026W3BD033	● F026W4BD033



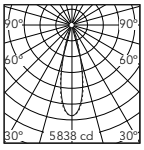


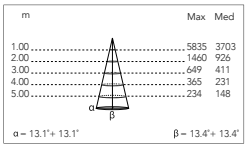
@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026W2CA001	○ F026W3CA001	○ F026W4CA001
● F026W2CA006	● F026W3CA006	● F026W4CA006
● F026W2CA012	● F026W3CA012	● F026W4CA012
● F026W2CA018	● F026W3CA018	● F026W4CA018
● F026W2CA030	● F026W3CA030	● F026W4CA030
● F026W2CA033	● F026W3CA033	● F026W4CA033
1-10V	1-10V	1-10V
○ F026W2CB001	○ F026W3CB001	○ F026W4CB001
● F026W2CB006	● F026W3CB006	● F026W4CB006
● F026W2CB012	● F026W3CB012	● F026W4CB012
● F026W2CB018	● F026W3CB018	● F026W4CB018
● F026W2CB030	● F026W3CB030	● F026W4CB030
● F026W2CB033	● F026W3CB033	● F026W4CB033
Dali	Dali	Dali
○ F026W2CD001	○ F026W3CD001	○ F026W4CD001
● F026W2CD006	● F026W3CD006	● F026W4CD006
● F026W2CD012	● F026W3CD012	● F026W4CD012
● F026W2CD018	● F026W3CD018	● F026W4CD018
● F026W2CD030	● F026W3CD030	● F026W4CD030
● F026W2CD033	● F026W3CD033	● F026W4CD033





@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F026W2DA001
- F026W2DA006
- F026W2DA012
- F026W2DA018
- ● F026W2DA030
- F026W2DA033

1-10V
- ○ F026W2DB001
- F026W2DB006
- F026W2DB012
- F026W2DB018
- ● F026W2DB030
- F026W2DB033

Dali
- ○ F026W2DD001
- F026W2DD006
- F026W2DD012
- F026W2DD018
- ● F026W2DD030
- F026W2DD033

3000K

Non Dimmable
- ○ F026W3DA001
- F026W3DA006
- F026W3DA012
- F026W3DA018
- ● F026W3DA030
- F026W3DA033

1-10V
- ○ F026W3DB001
- F026W3DB006
- F026W3DB012
- F026W3DB018
- ● F026W3DB030
- F026W3DB033

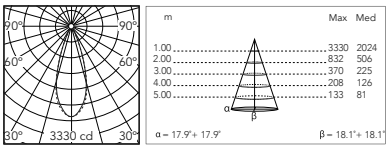
Dali
- ○ F026W3DD001
- F026W3DD006
- F026W3DD012
- F026W3DD018
- ● F026W3DD030
- F026W3DD033

4000K

Non Dimmable
- ○ F026W4DA001
- F026W4DA006
- F026W4DA012
- F026W4DA018
- ● F026W4DA030
- F026W4DA033

1-10V
- ○ F026W4DB001
- F026W4DB006
- F026W4DB012
- F026W4DB018
- ● F026W4DB030
- F026W4DB033

Dali
- ○ F026W4DD001
- F026W4DD006
- F026W4DD012
- F026W4DD018
- ● F026W4DD030
- F026W4DD033



@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F026W2EA001
- F026W2EA006
- F026W2EA012
- F026W2EA018
- ● F026W2EA030
- F026W2EA033

1-10V
- ○ F026W2EB001
- F026W2EB006
- F026W2EB012
- F026W2EB018
- ● F026W2EB030
- F026W2EB033

Dali
- ○ F026W2ED001
- F026W2ED006
- F026W2ED012
- F026W2ED018
- ● F026W2ED030
- F026W2ED033

3000K

Non Dimmable
- ○ F026W3EA001
- F026W3EA006
- F026W3EA012
- F026W3EA018
- ● F026W3EA030
- F026W3EA033

1-10V
- ○ F026W3EB001
- F026W3EB006
- F026W3EB012
- F026W3EB018
- ● F026W3EB030
- F026W3EB033

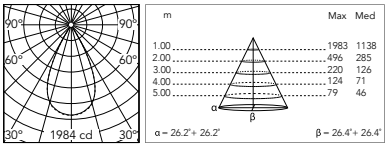
Dali
- ○ F026W3ED001
- F026W3ED006
- F026W3ED012
- F026W3ED018
- ● F026W3ED030
- F026W3ED033

4000K

Non Dimmable
- ○ F026W4EA001
- F026W4EA006
- F026W4EA012
- F026W4EA018
- ● F026W4EA030
- F026W4EA033

1-10V
- ○ F026W4EB001
- F026W4EB006
- F026W4EB012
- F026W4EB018
- ● F026W4EB030
- F026W4EB033

Dali
- ○ F026W4ED001
- F026W4ED006
- F026W4ED012
- F026W4ED018
- ● F026W4ED030
- F026W4ED033



@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F026W2FA001
- F026W2FA006
- F026W2FA012
- F026W2FA018
- ● F026W2FA030
- F026W2FA033

1-10V
- ○ F026W2FB001
- F026W2FB006
- F026W2FB012
- F026W2FB018
- ● F026W2FB030
- F026W2FB033

Dali
- ○ F026W2FD001
- F026W2FD006
- F026W2FD012
- F026W2FD018
- ● F026W2FD030
- F026W2FD033

3000K

Non Dimmable
- ○ F026W3FA001
- F026W3FA006
- F026W3FA012
- F026W3FA018
- ● F026W3FA030
- F026W3FA033

1-10V
- ○ F026W3FB001
- F026W3FB006
- F026W3FB012
- F026W3FB018
- ● F026W3FB030
- F026W3FB033

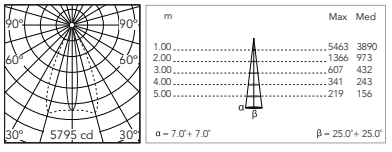
Dali
- ○ F026W3FD001
- F026W3FD006
- F026W3FD012
- F026W3FD018
- ● F026W3FD030
- F026W3FD033

4000K

Non Dimmable
- ○ F026W4FA001
- F026W4FA006
- F026W4FA012
- F026W4FA018
- ● F026W4FA030
- F026W4FA033

1-10V
- ○ F026W4FB001
- F026W4FB006
- F026W4FB012
- F026W4FB018
- ● F026W4FB030
- F026W4FB033

Dali
- ○ F026W4FD001
- F026W4FD006
- F026W4FD012
- F026W4FD018
- ● F026W4FD030
- F026W4FD033



@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- F026W2GA001
- F026W2GA006
- F026W2GA012
- F026W2GA018
- F026W2GA030
- F026W2GA033

1-10V

- F026W2GB001
- F026W2GB006
- F026W2GB012
- F026W2GB018
- F026W2GB030
- F026W2GB033

Dali

- F026W2GD001
- F026W2GD006
- F026W2GD012
- F026W2GD018
- F026W2GD030
- F026W2GD033

3000K

Non Dimmable

- F026W3GA001
- F026W3GA006
- F026W3GA012
- F026W3GA018
- F026W3GA030
- F026W3GA033

1-10V

- F026W3GB001
- F026W3GB006
- F026W3GB012
- F026W3GB018
- F026W3GB030
- F026W3GB033

Dali

- F026W3GD001
- F026W3GD006
- F026W3GD012
- F026W3GD018
- F026W3GD030
- F026W3GD033

4000K

Non Dimmable

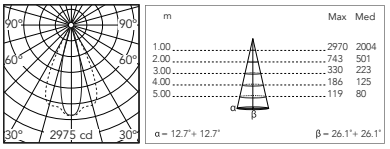
- F026W4GA001
- F026W4GA006
- F026W4GA012
- F026W4GA018
- F026W4GA030
- F026W4GA033

1-10V

- F026W4GB001
- F026W4GB006
- F026W4GB012
- F026W4GB018
- F026W4GB030
- F026W4GB033

Dali

- F026W4GD001
- F026W4GD006
- F026W4GD012
- F026W4GD018
- F026W4GD030
- F026W4GD033



@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- F026W2HA001
- F026W2HA006
- F026W2HA012
- F026W2HA018
- F026W2HA030
- F026W2HA033

1-10V

- F026W2HB001
- F026W2HB006
- F026W2HB012
- F026W2HB018
- F026W2HB030
- F026W2HB033

Dali

- F026W2HD001
- F026W2HD006
- F026W2HD012
- F026W2HD018
- F026W2HD030
- F026W2HD033

3000K

Non Dimmable

- F026W3HA001
- F026W3HA006
- F026W3HA012
- F026W3HA018
- F026W3HA030
- F026W3HA033

1-10V

- F026W3HB001
- F026W3HB006
- F026W3HB012
- F026W3HB018
- F026W3HB030
- F026W3HB033

Dali

- F026W3HD001
- F026W3HD006
- F026W3HD012
- F026W3HD018
- F026W3HD030
- F026W3HD033

4000K

Non Dimmable

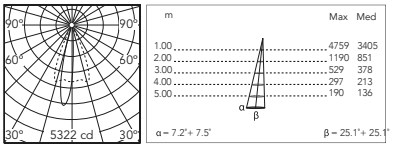
- F026W4HA001
- F026W4HA006
- F026W4HA012
- F026W4HA018
- F026W4HA030
- F026W4HA033

1-10V

- F026W4HB001
- F026W4HB006
- F026W4HB012
- F026W4HB018
- F026W4HB030
- F026W4HB033

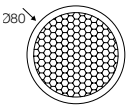
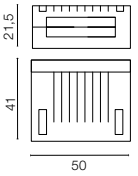
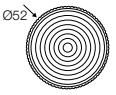
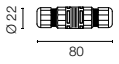
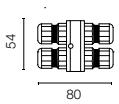
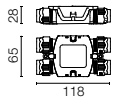
Dali

- F026W4HD001
- F026W4HD006
- F026W4HD012
- F026W4HD018
- F026W4HD030
- F026W4HD033



@ 3000K

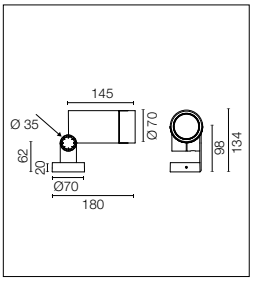
Spine L 2 Pro: Accessori / Accessories

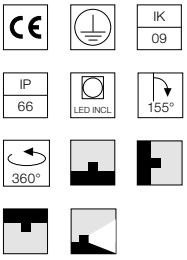
Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		



Spine L 1 Ultra







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

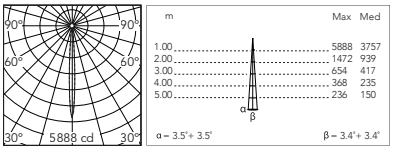
Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025R2AA001	○ F025R3AA001	○ F025R4AA001
● F025R2AA006	● F025R3AA006	● F025R4AA006
● F025R2AA012	● F025R3AA012	● F025R4AA012
● F025R2AA018	● F025R3AA018	● F025R4AA018
● F025R2AA030	● F025R3AA030	● F025R4AA030
● F025R2AA033	● F025R3AA033	● F025R4AA033

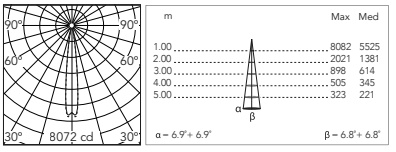


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025R2BA001	○ F025R3BA001	○ F025R4BA001
● F025R2BA006	● F025R3BA006	● F025R4BA006
● F025R2BA012	● F025R3BA012	● F025R4BA012
● F025R2BA018	● F025R3BA018	● F025R4BA018
● F025R2BA030	● F025R3BA030	● F025R4BA030
● F025R2BA033	● F025R3BA033	● F025R4BA033

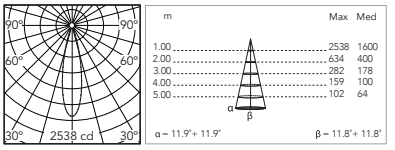


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025R2CA001	○ F025R3CA001	○ F025R4CA001
● F025R2CA006	● F025R3CA006	● F025R4CA006
● F025R2CA012	● F025R3CA012	● F025R4CA012
● F025R2CA018	● F025R3CA018	● F025R4CA018
● F025R2CA030	● F025R3CA030	● F025R4CA030
● F025R2CA033	● F025R3CA033	● F025R4CA033

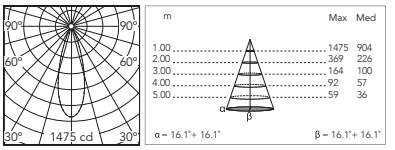


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025R2DA001	○ F025R3DA001	○ F025R4DA001
● F025R2DA006	● F025R3DA006	● F025R4DA006
● F025R2DA012	● F025R3DA012	● F025R4DA012
● F025R2DA018	● F025R3DA018	● F025R4DA018
● F025R2DA030	● F025R3DA030	● F025R4DA030
● F025R2DA033	● F025R3DA033	● F025R4DA033

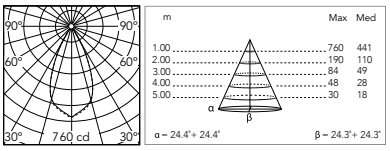


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025R2EA001	○ F025R3EA001	○ F025R4EA001
● F025R2EA006	● F025R3EA006	● F025R4EA006
● F025R2EA012	● F025R3EA012	● F025R4EA012
● F025R2EA018	● F025R3EA018	● F025R4EA018
● F025R2EA030	● F025R3EA030	● F025R4EA030
● F025R2EA033	● F025R3EA033	● F025R4EA033

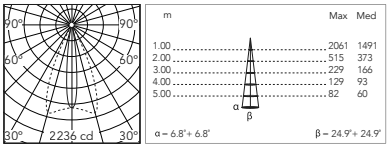


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025R2FA001	○ F025R3FA001	○ F025R4FA001
● F025R2FA006	● F025R3FA006	● F025R4FA006
● F025R2FA012	● F025R3FA012	● F025R4FA012
● F025R2FA018	● F025R3FA018	● F025R4FA018
● F025R2FA030	● F025R3FA030	● F025R4FA030
● F025R2FA033	● F025R3FA033	● F025R4FA033

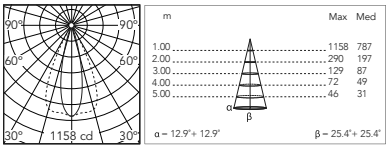


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025R2GA001	○ F025R3GA001	○ F025R4GA001
● F025R2GA006	● F025R3GA006	● F025R4GA006
● F025R2GA012	● F025R3GA012	● F025R4GA012
● F025R2GA018	● F025R3GA018	● F025R4GA018
● F025R2GA030	● F025R3GA030	● F025R4GA030
● F025R2GA033	● F025R3GA033	● F025R4GA033

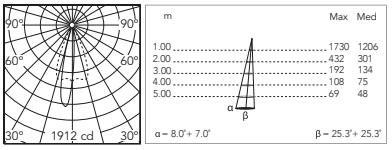


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

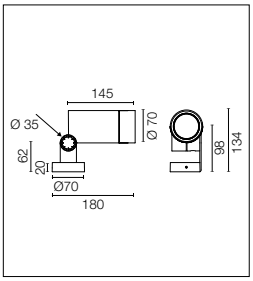
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025R2HA001	○ F025R3HA001	○ F025R4HA001
● F025R2HA006	● F025R3HA006	● F025R4HA006
● F025R2HA012	● F025R3HA012	● F025R4HA012
● F025R2HA018	● F025R3HA018	● F025R4HA018
● F025R2HA030	● F025R3HA030	● F025R4HA030
● F025R2HA033	● F025R3HA033	● F025R4HA033

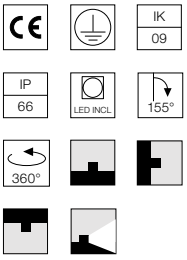


@ 3000K

Spine L 1 Ultra Hp







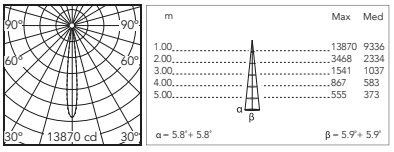
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025S2BA001	○ F025S3BA001	○ F025S4BA001
● F025S2BA006	● F025S3BA006	● F025S4BA006
● F025S2BA012	● F025S3BA012	● F025S4BA012
● F025S2BA018	● F025S3BA018	● F025S4BA018
● F025S2BA030	● F025S3BA030	● F025S4BA030
● F025S2BA033	● F025S3BA033	● F025S4BA033

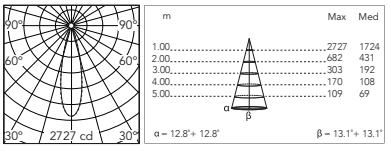


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025S2CA001	○ F025S3CA001	○ F025S4CA001
● F025S2CA006	● F025S3CA006	● F025S4CA006
● F025S2CA012	● F025S3CA012	● F025S4CA012
● F025S2CA018	● F025S3CA018	● F025S4CA018
● F025S2CA030	● F025S3CA030	● F025S4CA030
● F025S2CA033	● F025S3CA033	● F025S4CA033

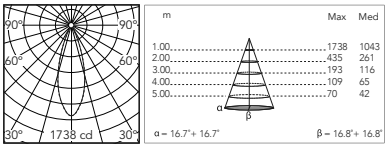


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025S2DA001	○ F025S3DA001	○ F025S4DA001
● F025S2DA006	● F025S3DA006	● F025S4DA006
● F025S2DA012	● F025S3DA012	● F025S4DA012
● F025S2DA018	● F025S3DA018	● F025S4DA018
● F025S2DA030	● F025S3DA030	● F025S4DA030
● F025S2DA033	● F025S3DA033	● F025S4DA033

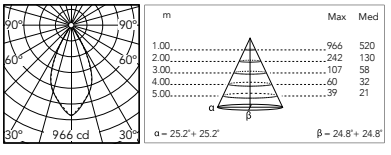


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F025S2EA001	○ F025S3EA001	○ F025S4EA001
● F025S2EA006	● F025S3EA006	● F025S4EA006
● F025S2EA012	● F025S3EA012	● F025S4EA012
● F025S2EA018	● F025S3EA018	● F025S4EA018
● F025S2EA030	● F025S3EA030	● F025S4EA030
● F025S2EA033	● F025S3EA033	● F025S4EA033



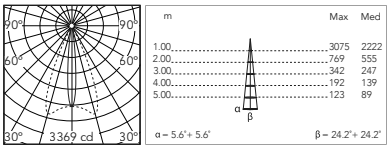
@ 3000K

Spine L 1 Ultra Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025S2FA001	○ F025S3FA001	○ F025S4FA001
● F025S2FA006	● F025S3FA006	● F025S4FA006
● F025S2FA012	● F025S3FA012	● F025S4FA012
● F025S2FA018	● F025S3FA018	● F025S4FA018
● F025S2FA030	● F025S3FA030	● F025S4FA030
● F025S2FA033	● F025S3FA033	● F025S4FA033

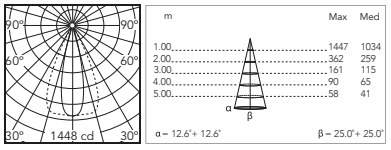


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025S2GA001	○ F025S3GA001	○ F025S4GA001
● F025S2GA006	● F025S3GA006	● F025S4GA006
● F025S2GA012	● F025S3GA012	● F025S4GA012
● F025S2GA018	● F025S3GA018	● F025S4GA018
● F025S2GA030	● F025S3GA030	● F025S4GA030
● F025S2GA033	● F025S3GA033	● F025S4GA033

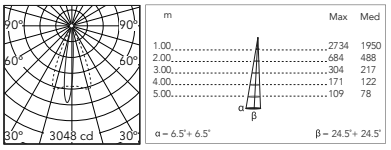


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

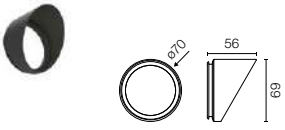
2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F025S2HA001	○ F025S3HA001	○ F025S4HA001
● F025S2HA006	● F025S3HA006	● F025S4HA006
● F025S2HA012	● F025S3HA012	● F025S4HA012
● F025S2HA018	● F025S3HA018	● F025S4HA018
● F025S2HA030	● F025S3HA030	● F025S4HA030
● F025S2HA033	● F025S3HA033	● F025S4HA033



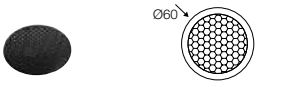
@ 3000K

Spine L 1 Ultra: Accessori / Accessories

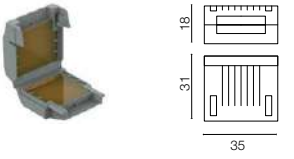
Visor	Visor	○ F025Z050001 ● F025Z050006 ● F025Z050012 ● F025Z050018 ● F025Z050030 ● F025Z050033



Honeycomb	Honeycomb Louvre	F025Z060000



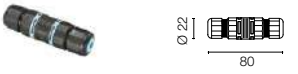
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000



Lenti converter / Converter lenses: - Converter Spine 1 Optic Medium Flood - Converter Spine 1 Optic Flood - Converter Spine 1 Optic Wide Flood - Converter Spine 1 Optic Elliptic 1 - Converter Spine 1 Optic Elliptic 2 - Converter Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000



Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000

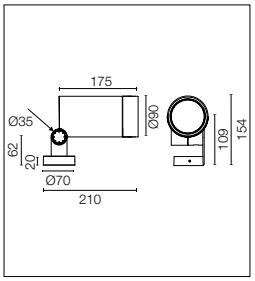


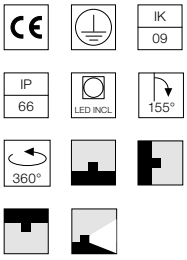
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000



Spine L 2 Ultra







Sorgente Power LED. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

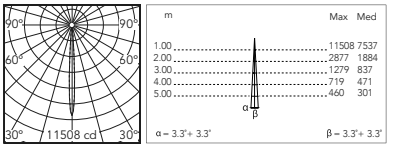
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2AA001	○ F026R3AA001	○ F026R4AA001
● F026R2AA006	● F026R3AA006	● F026R4AA006
● F026R2AA012	● F026R3AA012	● F026R4AA012
● F026R2AA018	● F026R3AA018	● F026R4AA018
● F026R2AA030	● F026R3AA030	● F026R4AA030
● F026R2AA033	● F026R3AA033	● F026R4AA033
1-10V	1-10V	1-10V
○ F026R2AB001	○ F026R3AB001	○ F026R4AB001
● F026R2AB006	● F026R3AB006	● F026R4AB006
● F026R2AB012	● F026R3AB012	● F026R4AB012
● F026R2AB018	● F026R3AB018	● F026R4AB018
● F026R2AB030	● F026R3AB030	● F026R4AB030
● F026R2AB033	● F026R3AB033	● F026R4AB033
Dali	Dali	Dali
○ F026R2AD001	○ F026R3AD001	○ F026R4AD001
● F026R2AD006	● F026R3AD006	● F026R4AD006
● F026R2AD012	● F026R3AD012	● F026R4AD012
● F026R2AD018	● F026R3AD018	● F026R4AD018
● F026R2AD030	● F026R3AD030	● F026R4AD030
● F026R2AD033	● F026R3AD033	● F026R4AD033

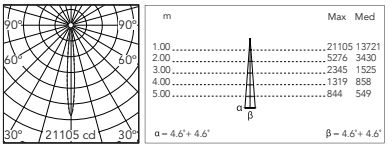


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2BA001	○ F026R3BA001	○ F026R4BA001
● F026R2BA006	● F026R3BA006	● F026R4BA006
● F026R2BA012	● F026R3BA012	● F026R4BA012
● F026R2BA018	● F026R3BA018	● F026R4BA018
● F026R2BA030	● F026R3BA030	● F026R4BA030
● F026R2BA033	● F026R3BA033	● F026R4BA033
1-10V	1-10V	1-10V
○ F026R2BB001	○ F026R3BB001	○ F026R4BB001
● F026R2BB006	● F026R3BB006	● F026R4BB006
● F026R2BB012	● F026R3BB012	● F026R4BB012
● F026R2BB018	● F026R3BB018	● F026R4BB018
● F026R2BB030	● F026R3BB030	● F026R4BB030
● F026R2BB033	● F026R3BB033	● F026R4BB033
Dali	Dali	Dali
○ F026R2BD001	○ F026R3BD001	○ F026R4BD001
● F026R2BD006	● F026R3BD006	● F026R4BD006
● F026R2BD012	● F026R3BD012	● F026R4BD012
● F026R2BD018	● F026R3BD018	● F026R4BD018
● F026R2BD030	● F026R3BD030	● F026R4BD030
● F026R2BD033	● F026R3BD033	● F026R4BD033

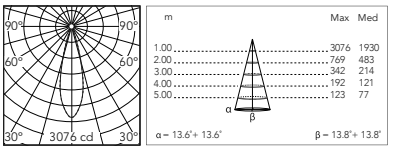


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2CA001	○ F026R3CA001	○ F026R4CA001
● F026R2CA006	● F026R3CA006	● F026R4CA006
● F026R2CA012	● F026R3CA012	● F026R4CA012
● F026R2CA018	● F026R3CA018	● F026R4CA018
● F026R2CA030	● F026R3CA030	● F026R4CA030
● F026R2CA033	● F026R3CA033	● F026R4CA033
1-10V	1-10V	1-10V
○ F026R2CB001	○ F026R3CB001	○ F026R4CB001
● F026R2CB006	● F026R3CB006	● F026R4CB006
● F026R2CB012	● F026R3CB012	● F026R4CB012
● F026R2CB018	● F026R3CB018	● F026R4CB018
● F026R2CB030	● F026R3CB030	● F026R4CB030
● F026R2CB033	● F026R3CB033	● F026R4CB033
Dali	Dali	Dali
○ F026R2CD001	○ F026R3CD001	○ F026R4CD001
● F026R2CD006	● F026R3CD006	● F026R4CD006
● F026R2CD012	● F026R3CD012	● F026R4CD012
● F026R2CD018	● F026R3CD018	● F026R4CD018
● F026R2CD030	● F026R3CD030	● F026R4CD030
● F026R2CD033	● F026R3CD033	● F026R4CD033

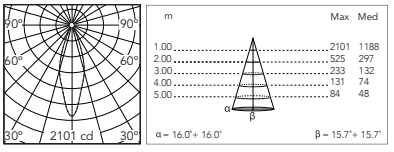


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2DA001	○ F026R3DA001	○ F026R4DA001
● F026R2DA006	● F026R3DA006	● F026R4DA006
● F026R2DA012	● F026R3DA012	● F026R4DA012
● F026R2DA018	● F026R3DA018	● F026R4DA018
● F026R2DA030	● F026R3DA030	● F026R4DA030
● F026R2DA033	● F026R3DA033	● F026R4DA033
1-10V	1-10V	1-10V
○ F026R2DB001	○ F026R3DB001	○ F026R4DB001
● F026R2DB006	● F026R3DB006	● F026R4DB006
● F026R2DB012	● F026R3DB012	● F026R4DB012
● F026R2DB018	● F026R3DB018	● F026R4DB018
● F026R2DB030	● F026R3DB030	● F026R4DB030
● F026R2DB033	● F026R3DB033	● F026R4DB033
Dali	Dali	Dali
○ F026R2DD001	○ F026R3DD001	○ F026R4DD001
● F026R2DD006	● F026R3DD006	● F026R4DD006
● F026R2DD012	● F026R3DD012	● F026R4DD012
● F026R2DD018	● F026R3DD018	● F026R4DD018
● F026R2DD030	● F026R3DD030	● F026R4DD030
● F026R2DD033	● F026R3DD033	● F026R4DD033

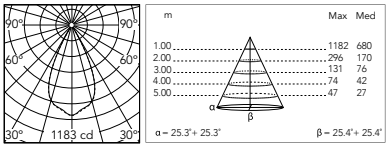


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2EA001	○ F026R3EA001	○ F026R4EA001
● F026R2EA006	● F026R3EA006	● F026R4EA006
● F026R2EA012	● F026R3EA012	● F026R4EA012
● F026R2EA018	● F026R3EA018	● F026R4EA018
● F026R2EA030	● F026R3EA030	● F026R4EA030
● F026R2EA033	● F026R3EA033	● F026R4EA033
1-10V	1-10V	1-10V
○ F026R2EB001	○ F026R3EB001	○ F026R4EB001
● F026R2EB006	● F026R3EB006	● F026R4EB006
● F026R2EB012	● F026R3EB012	● F026R4EB012
● F026R2EB018	● F026R3EB018	● F026R4EB018
● F026R2EB030	● F026R3EB030	● F026R4EB030
● F026R2EB033	● F026R3EB033	● F026R4EB033
Dali	Dali	Dali
○ F026R2ED001	○ F026R3ED001	○ F026R4ED001
● F026R2ED006	● F026R3ED006	● F026R4ED006
● F026R2ED012	● F026R3ED012	● F026R4ED012
● F026R2ED018	● F026R3ED018	● F026R4ED018
● F026R2ED030	● F026R3ED030	● F026R4ED030
● F026R2ED033	● F026R3ED033	● F026R4ED033

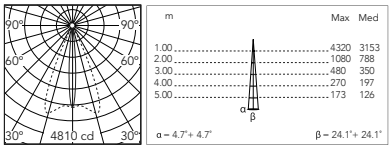


@ 3000K

Optic Elliptical 1 9,5º x 48º

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2FA001	○ F026R3FA001	○ F026R4FA001
● F026R2FA006	● F026R3FA006	● F026R4FA006
● F026R2FA012	● F026R3FA012	● F026R4FA012
● F026R2FA018	● F026R3FA018	● F026R4FA018
● F026R2FA030	● F026R3FA030	● F026R4FA030
● F026R2FA033	● F026R3FA033	● F026R4FA033
1-10V	1-10V	1-10V
○ F026R2FB001	○ F026R3FB001	○ F026R4FB001
● F026R2FB006	● F026R3FB006	● F026R4FB006
● F026R2FB012	● F026R3FB012	● F026R4FB012
● F026R2FB018	● F026R3FB018	● F026R4FB018
● F026R2FB030	● F026R3FB030	● F026R4FB030
● F026R2FB033	● F026R3FB033	● F026R4FB033
Dali	Dali	Dali
○ F026R2FD001	○ F026R3FD001	○ F026R4FD001
● F026R2FD006	● F026R3FD006	● F026R4FD006
● F026R2FD012	● F026R3FD012	● F026R4FD012
● F026R2FD018	● F026R3FD018	● F026R4FD018
● F026R2FD030	● F026R3FD030	● F026R4FD030
● F026R2FD033	● F026R3FD033	● F026R4FD033

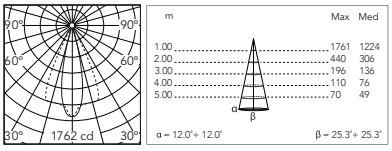


@ 3000K

Optic Elliptical 2 24º x 50º

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2GA001	○ F026R3GA001	○ F026R4GA001
● F026R2GA006	● F026R3GA006	● F026R4GA006
● F026R2GA012	● F026R3GA012	● F026R4GA012
● F026R2GA018	● F026R3GA018	● F026R4GA018
● F026R2GA030	● F026R3GA030	● F026R4GA030
● F026R2GA033	● F026R3GA033	● F026R4GA033
1-10V	1-10V	1-10V
○ F026R2GB001	○ F026R3GB001	○ F026R4GB001
● F026R2GB006	● F026R3GB006	● F026R4GB006
● F026R2GB012	● F026R3GB012	● F026R4GB012
● F026R2GB018	● F026R3GB018	● F026R4GB018
● F026R2GB030	● F026R3GB030	● F026R4GB030
● F026R2GB033	● F026R3GB033	● F026R4GB033
Dali	Dali	Dali
○ F026R2GD001	○ F026R3GD001	○ F026R4GD001
● F026R2GD006	● F026R3GD006	● F026R4GD006
● F026R2GD012	● F026R3GD012	● F026R4GD012
● F026R2GD018	● F026R3GD018	● F026R4GD018
● F026R2GD030	● F026R3GD030	● F026R4GD030
● F026R2GD033	● F026R3GD033	● F026R4GD033

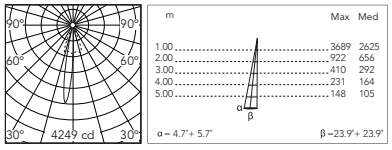


@ 3000K

Optic Wall Washer

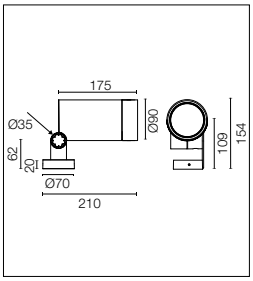
Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

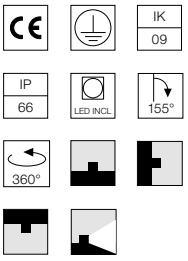
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026R2HA001	○ F026R3HA001	○ F026R4HA001
● F026R2HA006	● F026R3HA006	● F026R4HA006
● F026R2HA012	● F026R3HA012	● F026R4HA012
● F026R2HA018	● F026R3HA018	● F026R4HA018
● F026R2HA030	● F026R3HA030	● F026R4HA030
● F026R2HA033	● F026R3HA033	● F026R4HA033
1-10V	1-10V	1-10V
○ F026R2HB001	○ F026R3HB001	○ F026R4HB001
● F026R2HB006	● F026R3HB006	● F026R4HB006
● F026R2HB012	● F026R3HB012	● F026R4HB012
● F026R2HB018	● F026R3HB018	● F026R4HB018
● F026R2HB030	● F026R3HB030	● F026R4HB030
● F026R2HB033	● F026R3HB033	● F026R4HB033
Dali	Dali	Dali
○ F026R2HD001	○ F026R3HD001	○ F026R4HD001
● F026R2HD006	● F026R3HD006	● F026R4HD006
● F026R2HD012	● F026R3HD012	● F026R4HD012
● F026R2HD018	● F026R3HD018	● F026R4HD018
● F026R2HD030	● F026R3HD030	● F026R4HD030
● F026R2HD033	● F026R3HD033	● F026R4HD033



@ 3000K







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa minimale di fissaggio a L integrata. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

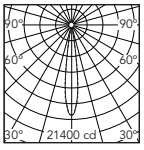
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

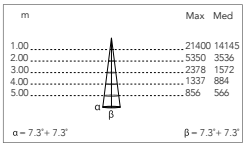
2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026S2BA001	○ F026S3BA001	○ F026S4BA001
● F026S2BA006	● F026S3BA006	● F026S4BA006
● F026S2BA012	● F026S3BA012	● F026S4BA012
● F026S2BA018	● F026S3BA018	● F026S4BA018
● F026S2BA030	● F026S3BA030	● F026S4BA030
● F026S2BA033	● F026S3BA033	● F026S4BA033
1-10V	1-10V	1-10V
○ F026S2BB001	○ F026S3BB001	○ F026S4BB001
● F026S2BB006	● F026S3BB006	● F026S4BB006
● F026S2BB012	● F026S3BB012	● F026S4BB012
● F026S2BB018	● F026S3BB018	● F026S4BB018
● F026S2BB030	● F026S3BB030	● F026S4BB030
● F026S2BB033	● F026S3BB033	● F026S4BB033
Dali	Dali	Dali
○ F026S2BD001	○ F026S3BD001	○ F026S4BD001
● F026S2BD006	● F026S3BD006	● F026S4BD006
● F026S2BD012	● F026S3BD012	● F026S4BD012
● F026S2BD018	● F026S3BD018	● F026S4BD018
● F026S2BD030	● F026S3BD030	● F026S4BD030
● F026S2BD033	● F026S3BD033	● F026S4BD033



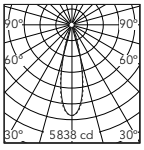


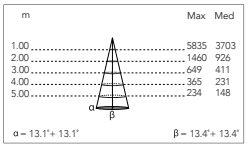
@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026S2CA001	○ F026S3CA001	○ F026S4CA001
● F026S2CA006	● F026S3CA006	● F026S4CA006
● F026S2CA012	● F026S3CA012	● F026S4CA012
● F026S2CA018	● F026S3CA018	● F026S4CA018
● F026S2CA030	● F026S3CA030	● F026S4CA030
● F026S2CA033	● F026S3CA033	● F026S4CA033
1-10V	1-10V	1-10V
○ F026S2CB001	○ F026S3CB001	○ F026S4CB001
● F026S2CB006	● F026S3CB006	● F026S4CB006
● F026S2CB012	● F026S3CB012	● F026S4CB012
● F026S2CB018	● F026S3CB018	● F026S4CB018
● F026S2CB030	● F026S3CB030	● F026S4CB030
● F026S2CB033	● F026S3CB033	● F026S4CB033
Dali	Dali	Dali
○ F026S2CD001	○ F026S3CD001	○ F026S4CD001
● F026S2CD006	● F026S3CD006	● F026S4CD006
● F026S2CD012	● F026S3CD012	● F026S4CD012
● F026S2CD018	● F026S3CD018	● F026S4CD018
● F026S2CD030	● F026S3CD030	● F026S4CD030
● F026S2CD033	● F026S3CD033	● F026S4CD033



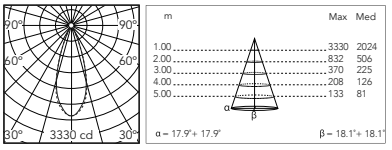


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026S2DA001	○ F026S3DA001	○ F026S4DA001
● F026S2DA006	● F026S3DA006	● F026S4DA006
● F026S2DA012	● F026S3DA012	● F026S4DA012
● F026S2DA018	● F026S3DA018	● F026S4DA018
● F026S2DA030	● F026S3DA030	● F026S4DA030
● F026S2DA033	● F026S3DA033	● F026S4DA033
1-10V	1-10V	1-10V
○ F026S2DB001	○ F026S3DB001	○ F026S4DB001
● F026S2DB006	● F026S3DB006	● F026S4DB006
● F026S2DB012	● F026S3DB012	● F026S4DB012
● F026S2DB018	● F026S3DB018	● F026S4DB018
● F026S2DB030	● F026S3DB030	● F026S4DB030
● F026S2DB033	● F026S3DB033	● F026S4DB033
Dali	Dali	Dali
○ F026S2DD001	○ F026S3DD001	○ F026S4DD001
● F026S2DD006	● F026S3DD006	● F026S4DD006
● F026S2DD012	● F026S3DD012	● F026S4DD012
● F026S2DD018	● F026S3DD018	● F026S4DD018
● F026S2DD030	● F026S3DD030	● F026S4DD030
● F026S2DD033	● F026S3DD033	● F026S4DD033

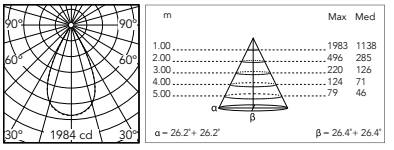


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026S2EA001	○ F026S3EA001	○ F026S4EA001
● F026S2EA006	● F026S3EA006	● F026S4EA006
● F026S2EA012	● F026S3EA012	● F026S4EA012
● F026S2EA018	● F026S3EA018	● F026S4EA018
● F026S2EA030	● F026S3EA030	● F026S4EA030
● F026S2EA033	● F026S3EA033	● F026S4EA033
1-10V	1-10V	1-10V
○ F026S2EB001	○ F026S3EB001	○ F026S4EB001
● F026S2EB006	● F026S3EB006	● F026S4EB006
● F026S2EB012	● F026S3EB012	● F026S4EB012
● F026S2EB018	● F026S3EB018	● F026S4EB018
● F026S2EB030	● F026S3EB030	● F026S4EB030
● F026S2EB033	● F026S3EB033	● F026S4EB033
Dali	Dali	Dali
○ F026S2ED001	○ F026S3ED001	○ F026S4ED001
● F026S2ED006	● F026S3ED006	● F026S4ED006
● F026S2ED012	● F026S3ED012	● F026S4ED012
● F026S2ED018	● F026S3ED018	● F026S4ED018
● F026S2ED030	● F026S3ED030	● F026S4ED030
● F026S2ED033	● F026S3ED033	● F026S4ED033

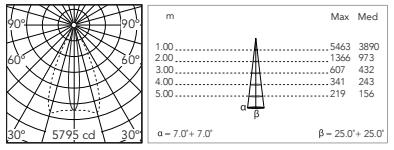


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F026S2FA001	○ F026S3FA001	○ F026S4FA001
● F026S2FA006	● F026S3FA006	● F026S4FA006
● F026S2FA012	● F026S3FA012	● F026S4FA012
● F026S2FA018	● F026S3FA018	● F026S4FA018
● F026S2FA030	● F026S3FA030	● F026S4FA030
● F026S2FA033	● F026S3FA033	● F026S4FA033
1-10V	1-10V	1-10V
○ F026S2FB001	○ F026S3FB001	○ F026S4FB001
● F026S2FB006	● F026S3FB006	● F026S4FB006
● F026S2FB012	● F026S3FB012	● F026S4FB012
● F026S2FB018	● F026S3FB018	● F026S4FB018
● F026S2FB030	● F026S3FB030	● F026S4FB030
● F026S2FB033	● F026S3FB033	● F026S4FB033
Dali	Dali	Dali
○ F026S2FD001	○ F026S3FD001	○ F026S4FD001
● F026S2FD006	● F026S3FD006	● F026S4FD006
● F026S2FD012	● F026S3FD012	● F026S4FD012
● F026S2FD018	● F026S3FD018	● F026S4FD018
● F026S2FD030	● F026S3FD030	● F026S4FD030
● F026S2FD033	● F026S3FD033	● F026S4FD033



@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- F026S2GA001
- F026S2GA006
- F026S2GA012
- F026S2GA018
- F026S2GA030
- F026S2GA033

1-10V

- F026S2GB001
- F026S2GB006
- F026S2GB012
- F026S2GB018
- F026S2GB030
- F026S2GB033

Dali

- F026S2GD001
- F026S2GD006
- F026S2GD012
- F026S2GD018
- F026S2GD030
- F026S2GD033

3000K

Non Dimmable

- F026S3GA001
- F026S3GA006
- F026S3GA012
- F026S3GA018
- F026S3GA030
- F026S3GA033

1-10V

- F026S3GB001
- F026S3GB006
- F026S3GB012
- F026S3GB018
- F026S3GB030
- F026S3GB033

Dali

- F026S3GD001
- F026S3GD006
- F026S3GD012
- F026S3GD018
- F026S3GD030
- F026S3GD033

4000K

Non Dimmable

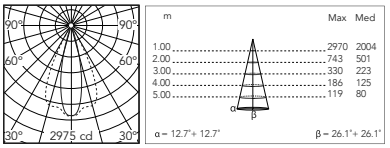
- F026S4GA001
- F026S4GA006
- F026S4GA012
- F026S4GA018
- F026S4GA030
- F026S4GA033

1-10V

- F026S4GB001
- F026S4GB006
- F026S4GB012
- F026S4GB018
- F026S4GB030
- F026S4GB033

Dali

- F026S4GD001
- F026S4GD006
- F026S4GD012
- F026S4GD018
- F026S4GD030
- F026S4GD033



@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- F026S2HA001
- F026S2HA006
- F026S2HA012
- F026S2HA018
- F026S2HA030
- F026S2HA033

1-10V

- F026S2HB001
- F026S2HB006
- F026S2HB012
- F026S2HB018
- F026S2HB030
- F026S2HB033

Dali

- F026S2HD001
- F026S2HD006
- F026S2HD012
- F026S2HD018
- F026S2HD030
- F026S2HD033

3000K

Non Dimmable

- F026S3HA001
- F026S3HA006
- F026S3HA012
- F026S3HA018
- F026S3HA030
- F026S3HA033

1-10V

- F026S3HB001
- F026S3HB006
- F026S3HB012
- F026S3HB018
- F026S3HB030
- F026S3HB033

Dali

- F026S3HD001
- F026S3HD006
- F026S3HD012
- F026S3HD018
- F026S3HD030
- F026S3HD033

4000K

Non Dimmable

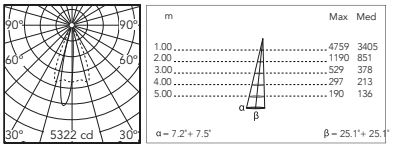
- F026S4HA001
- F026S4HA006
- F026S4HA012
- F026S4HA018
- F026S4HA030
- F026S4HA033

1-10V

- F026S4HB001
- F026S4HB006
- F026S4HB012
- F026S4HB018
- F026S4HB030
- F026S4HB033

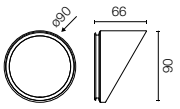
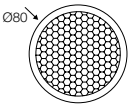
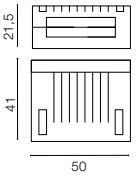
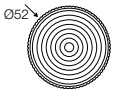
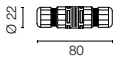
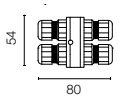
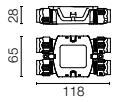
Dali

- F026S4HD001
- F026S4HD006
- F026S4HD012
- F026S4HD018
- F026S4HD030
- F026S4HD033



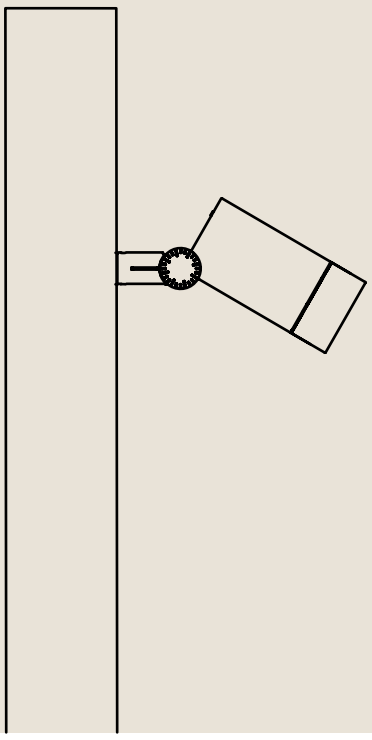
@ 3000K

Spine L 2 Ultra: Accessori / Accessories

Visor	Visor	○ F026Z050001 ● F026Z050006 ● F026Z050012 ● F026Z050018 ● F026Z050030 ● F026Z050033		
Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		



Spine T

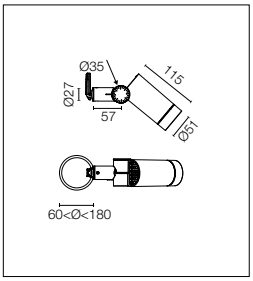


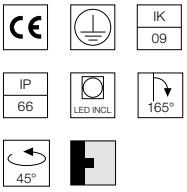
Un giunto dedicato consente l'installazione individuale o di molteplici proiettori su un singolo palo per la creazione di scene luminose complesse.

A special pole connection has been designed for product installation on poles to manage complex light scenes and mix multiple projectors in one single column.

Spine T 0 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

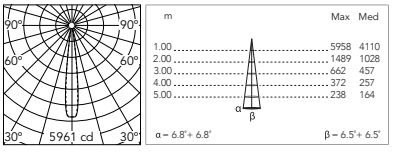
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02752BA001	○ F02753BA001	○ F02754BA001
● F02752BA006	● F02753BA006	● F02754BA006
● F02752BA012	● F02753BA012	● F02754BA012
● F02752BA018	● F02753BA018	● F02754BA018
● F02752BA030	● F02753BA030	● F02754BA030
● F02752BA033	● F02753BA033	● F02754BA033

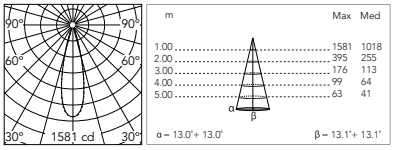


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02752CA001	○ F02753CA001	○ F02754CA001
● F02752CA006	● F02753CA006	● F02754CA006
● F02752CA012	● F02753CA012	● F02754CA012
● F02752CA018	● F02753CA018	● F02754CA018
● F02752CA030	● F02753CA030	● F02754CA030
● F02752CA033	● F02753CA033	● F02754CA033

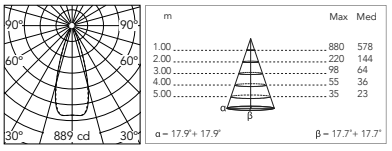


@ 3000K

Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02752DA001	○ F02753DA001	○ F02754DA001
● F02752DA006	● F02753DA006	● F02754DA006
● F02752DA012	● F02753DA012	● F02754DA012
● F02752DA018	● F02753DA018	● F02754DA018
● F02752DA030	● F02753DA030	● F02754DA030
● F02752DA033	● F02753DA033	● F02754DA033

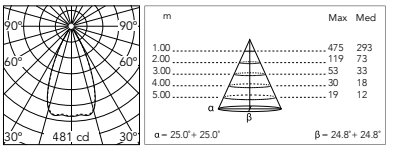


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02752EA001	○ F02753EA001	○ F02754EA001
● F02752EA006	● F02753EA006	● F02754EA006
● F02752EA012	● F02753EA012	● F02754EA012
● F02752EA018	● F02753EA018	● F02754EA018
● F02752EA030	● F02753EA030	● F02754EA030
● F02752EA033	● F02753EA033	● F02754EA033

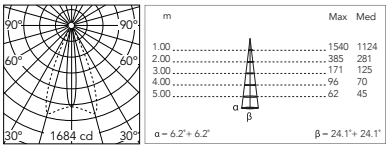


@ 3000K

Optic Elliptical 1 12º x 50º

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02752FA001	F02753FA001	F02754FA001
F02752FA006	F02753FA006	F02754FA006
F02752FA012	F02753FA012	F02754FA012
F02752FA018	F02753FA018	F02754FA018
F02752FA030	F02753FA030	F02754FA030
F02752FA033	F02753FA033	F02754FA033

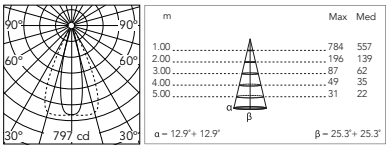


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02752GA001	F02753GA001	F02754GA001
F02752GA006	F02753GA006	F02754GA006
F02752GA012	F02753GA012	F02754GA012
F02752GA018	F02753GA018	F02754GA018
F02752GA030	F02753GA030	F02754GA030
F02752GA033	F02753GA033	F02754GA033

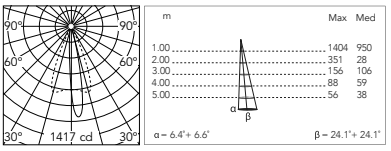


@ 3000K

Optic Wall Washer

Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

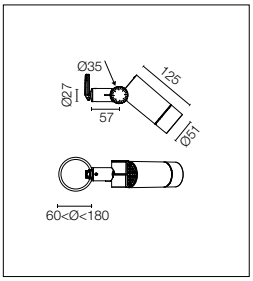
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02752HA001	F02753HA001	F02754HA001
F02752HA006	F02753HA006	F02754HA006
F02752HA012	F02753HA012	F02754HA012
F02752HA018	F02753HA018	F02754HA018
F02752HA030	F02753HA030	F02754HA030
F02752HA033	F02753HA033	F02754HA033



@ 3000K

Spine T 0 Ultra





IP 66 · IK 09 · LED INCL · 165° · 45°

Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Base di fssaggio inclusa. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

Versione dimmerabile DALI disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

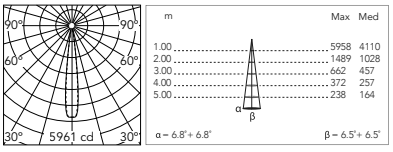
2200K available on request.

DALI dimmable version available on request.

Optic Spot 14°

Power Led: 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712BA001	○ F02713BA001	○ F02714BA001
● F02712BA006	● F02713BA006	● F02714BA006
● F02712BA012	● F02713BA012	● F02714BA012
● F02712BA018	● F02713BA018	● F02714BA018
● F02712BA030	● F02713BA030	● F02714BA030
● F02712BA033	● F02713BA033	● F02714BA033

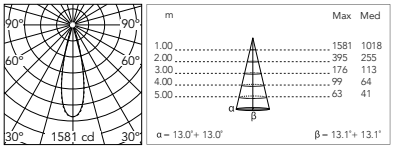


@ 3000K

Optic Medium Flood 26°

Power Led: 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712CA001	○ F02713CA001	○ F02714CA001
● F02712CA006	● F02713CA006	● F02714CA006
● F02712CA012	● F02713CA012	● F02714CA012
● F02712CA018	● F02713CA018	● F02714CA018
● F02712CA030	● F02713CA030	● F02714CA030
● F02712CA033	● F02713CA033	● F02714CA033

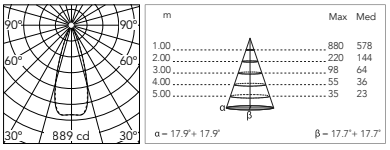


@ 3000K

Optic Flood 36°

Power Led: 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712DA001	○ F02713DA001	○ F02714DA001
● F02712DA006	● F02713DA006	● F02714DA006
● F02712DA012	● F02713DA012	● F02714DA012
● F02712DA018	● F02713DA018	● F02714DA018
● F02712DA030	● F02713DA030	● F02714DA030
● F02712DA033	● F02713DA033	● F02714DA033

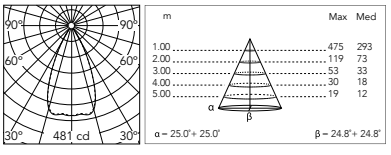


@ 3000K

Optic Wide Flood 50°

Power Led: 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712EA001	○ F02713EA001	○ F02714EA001
● F02712EA006	● F02713EA006	● F02714EA006
● F02712EA012	● F02713EA012	● F02714EA012
● F02712EA018	● F02713EA018	● F02714EA018
● F02712EA030	● F02713EA030	● F02714EA030
● F02712EA033	● F02713EA033	● F02714EA033

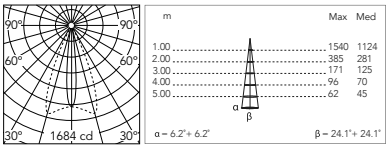


@ 3000K

Optic Elliptical 1 12° x 50°

Power Led: 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712FA001	○ F02713FA001	○ F02714FA001
● F02712FA006	● F02713FA006	● F02714FA006
● F02712FA012	● F02713FA012	● F02714FA012
● F02712FA018	● F02713FA018	● F02714FA018
● F02712FA030	● F02713FA030	● F02714FA030
● F02712FA033	● F02713FA033	● F02714FA033

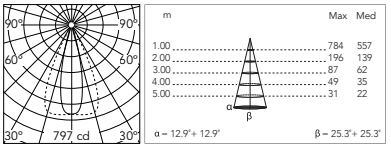


@ 3000K

Optic Elliptical 2 26° x 51°

Power Led: 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712GA001	○ F02713GA001	○ F02714GA001
● F02712GA006	● F02713GA006	● F02714GA006
● F02712GA012	● F02713GA012	● F02714GA012
● F02712GA018	● F02713GA018	● F02714GA018
● F02712GA030	● F02713GA030	● F02714GA030
● F02712GA033	● F02713GA033	● F02714GA033

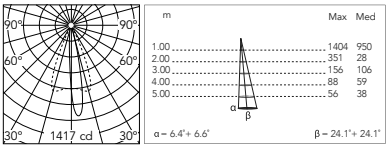


@ 3000K

Optic Wall Washer

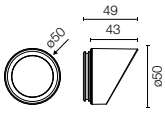
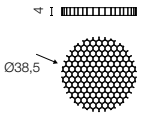
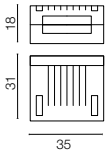
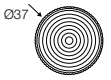
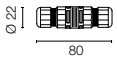
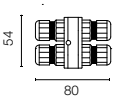
Power Led: 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02712HA001	○ F02713HA001	○ F02714HA001
● F02712HA006	● F02713HA006	● F02714HA006
● F02712HA012	● F02713HA012	● F02714HA012
● F02712HA018	● F02713HA018	● F02714HA018
● F02712HA030	● F02713HA030	● F02714HA030
● F02712HA033	● F02713HA033	● F02714HA033



@ 3000K

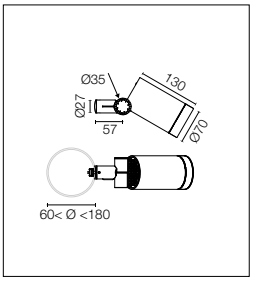
Spine T 0 Ultra: Accessori / Accessories

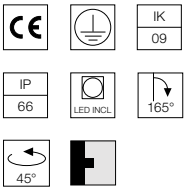
Visor	Visor	○ F027Z050001 ● F027Z050006 ● F027Z050012 ● F027Z050018 ● F027Z050030 ● F027Z050033		
Honeycomb	Honeycomb Louvre	F027Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000		
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		



Spine T 1 Absolute







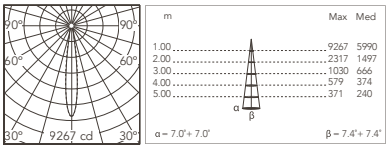
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 15°

CoB Led: 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02502BA001	○ F02503BA001	○ F02504BA001
● F02502BA006	● F02503BA006	● F02504BA006
● F02502BA012	● F02503BA012	● F02504BA012
● F02502BA018	● F02503BA018	● F02504BA018
● F02502BA030	● F02503BA030	● F02504BA030
● F02502BA033	● F02503BA033	● F02504BA033

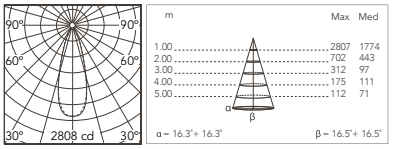


@ 3000K

Optic Medium Flood 33°

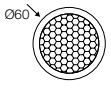
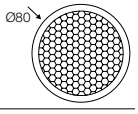
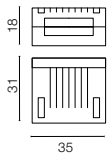
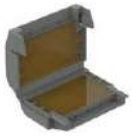
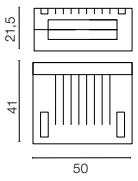
CoB Led: 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02502CA001	○ F02503CA001	○ F02504CA001
● F02502CA006	● F02503CA006	● F02504CA006
● F02502CA012	● F02503CA012	● F02504CA012
● F02502CA018	● F02503CA018	● F02504CA018
● F02502CA030	● F02503CA030	● F02504CA030
● F02502CA033	● F02503CA033	● F02504CA033

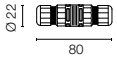
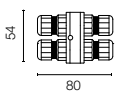


@ 3000K

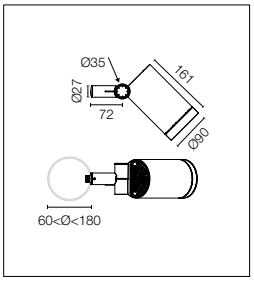
Spine T 1 / T 2 Absolute: Accessori / Accessories

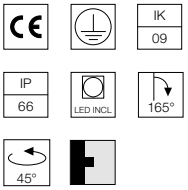
Honeycomb	Honeycomb Louvre	Spine T 1 F025Z060000		
Honeycomb	Honeycomb Louvre	Spine T 2 F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine T 1 F990C100000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	Spine T 2 F990C110000		

Spine T 1 / T 2 Absolute: Accessori per versioni non dimmable / Accessories for non-dimmable versions

Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		







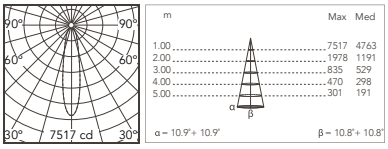
Sorgente COB LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Spot 22°

CoB Led: 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

2700K	**3000K**	**4000K**
Non Dimmable	Non Dimmable	Non Dimmable
○ F02602BA001.A	○ F02603BA001	○ F02604BA001.A
● F02602BA006.A	● F02603BA006	● F02604BA006.A
● F02602BA012.A	● F02603BA012	● F02604BA012.A
● F02602BA018.A	● F02603BA018	● F02604BA018.A
● F02602BA030.A	● F02603BA030	● F02604BA030.A
● F02602BA033.A	● F02603BA033	● F02604BA033.A
1-10V	1-10V	1-10V
○ F02602BB001.A	○ F02603BB001	○ F02604BB001.A
● F02602BB006.A	● F02603BB006	● F02604BB006.A
● F02602BB012.A	● F02603BB012	● F02604BB012.A
● F02602BB018.A	● F02603BB018	● F02604BB018.A
● F02602BB030.A	● F02603BB030	● F02604BB030.A
● F02602BB033.A	● F02603BB033	● F02604BB033.A
Dali	Dali	Dali
○ F02602BD001.A	○ F02603BD001	○ F02604BD001.A
● F02602BD006.A	● F02603BD006	● F02604BD006.A
● F02602BD012.A	● F02603BD012	● F02604BD012.A
● F02602BD018.A	● F02603BD018	● F02604BD018.A
● F02602BD030.A	● F02603BD030	● F02604BD030.A
● F02602BD033.A	● F02603BD033	● F02604BD033.A

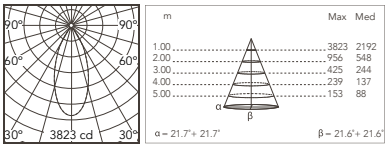


@ 3000K

Optic Medium Flood 43°

CoB Led: 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

2700K	**3000K**	**4000K**
Non Dimmable	Non Dimmable	Non Dimmable
○ F02602CA001.A	○ F02603CA001	○ F02604CA001.A
● F02602CA006.A	● F02603CA006	● F02604CA006.A
● F02602CA012.A	● F02603CA012	● F02604CA012.A
● F02602CA018.A	● F02603CA018	● F02604CA018.A
● F02602CA030.A	● F02603CA030	● F02604CA030.A
● F02602CA033.A	● F02603CA033	● F02604CA033.A
1-10V	1-10V	1-10V
○ F02602CB001.A	○ F02603CB001	○ F02604CB001.A
● F02602CB006.A	● F02603CB006	● F02604CB006.A
● F02602CB012.A	● F02603CB012	● F02604CB012.A
● F02602CB018.A	● F02603CB018	● F02604CB018.A
● F02602CB030.A	● F02603CB030	● F02604CB030.A
● F02602CB033.A	● F02603CB033	● F02604CB033.A
Dali	Dali	Dali
○ F02602CD001.A	○ F02603CD001	○ F02604CD001.A
● F02602CD006.A	● F02603CD006	● F02604CD006.A
● F02602CD012.A	● F02603CD012	● F02604CD012.A
● F02602CD018.A	● F02603CD018	● F02604CD018.A
● F02602CD030.A	● F02603CD030	● F02604CD030.A
● F02602CD033.A	● F02603CD033	● F02604CD033.A



@ 3000K

Spine T 2 Absolute: Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000

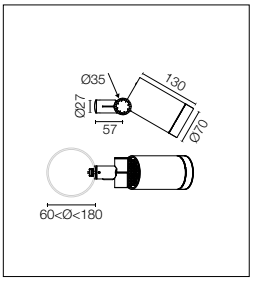


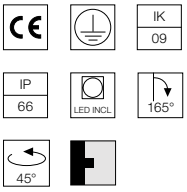
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000



Spine T 1 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

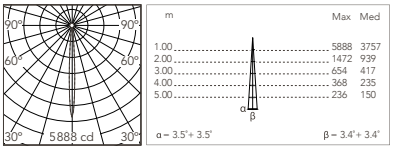
Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02552AA001	○ F02553AA001	○ F02554AA001
● F02552AA006	● F02553AA006	● F02554AA006
● F02552AA012	● F02553AA012	● F02554AA012
● F02552AA018	● F02553AA018	● F02554AA018
● F02552AA030	● F02553AA030	● F02554AA030
● F02552AA033	● F02553AA033	● F02554AA033

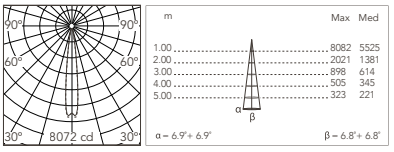


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02552BA001	○ F02553BA001	○ F02554BA001
● F02552BA006	● F02553BA006	● F02554BA006
● F02552BA012	● F02553BA012	● F02554BA012
● F02552BA018	● F02553BA018	● F02554BA018
● F02552BA030	● F02553BA030	● F02554BA030
● F02552BA033	● F02553BA033	● F02554BA033

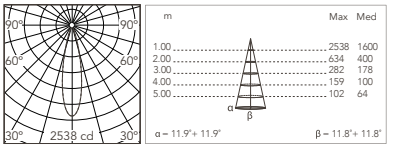


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02552CA001	○ F02553CA001	○ F02554CA001
● F02552CA006	● F02553CA006	● F02554CA006
● F02552CA012	● F02553CA012	● F02554CA012
● F02552CA018	● F02553CA018	● F02554CA018
● F02552CA030	● F02553CA030	● F02554CA030
● F02552CA033	● F02553CA033	● F02554CA033

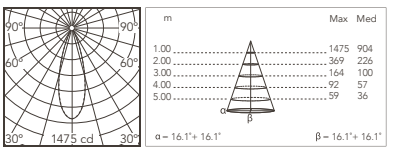


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02552DA001	○ F02553DA001	○ F02554DA001
● F02552DA006	● F02553DA006	● F02554DA006
● F02552DA012	● F02553DA012	● F02554DA012
● F02552DA018	● F02553DA018	● F02554DA018
● F02552DA030	● F02553DA030	● F02554DA030
● F02552DA033	● F02553DA033	● F02554DA033

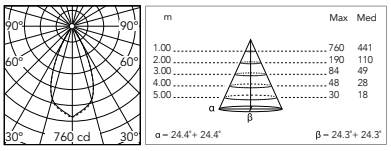


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02552EA001	F02553EA001	F02554EA001
F02552EA006	F02553EA006	F02554EA006
F02552EA012	F02553EA012	F02554EA012
F02552EA018	F02553EA018	F02554EA018
F02552EA030	F02553EA030	F02554EA030
F02552EA033	F02553EA033	F02554EA033

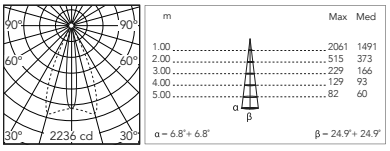


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02552FA001	F02553FA001	F02554FA001
F02552FA006	F02553FA006	F02554FA006
F02552FA012	F02553FA012	F02554FA012
F02552FA018	F02553FA018	F02554FA018
F02552FA030	F02553FA030	F02554FA030
F02552FA033	F02553FA033	F02554FA033

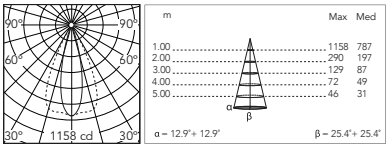


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02552GA001	F02553GA001	F02554GA001
F02552GA006	F02553GA006	F02554GA006
F02552GA012	F02553GA012	F02554GA012
F02552GA018	F02553GA018	F02554GA018
F02552GA030	F02553GA030	F02554GA030
F02552GA033	F02553GA033	F02554GA033

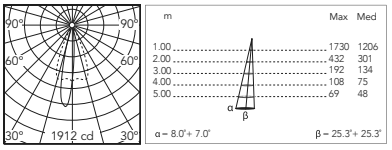


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

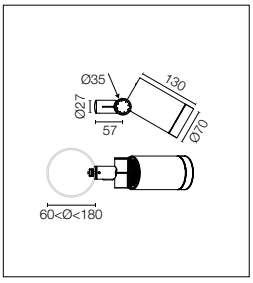
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02552HA001	F02553HA001	F02554HA001
F02552HA006	F02553HA006	F02554HA006
F02552HA012	F02553HA012	F02554HA012
F02552HA018	F02553HA018	F02554HA018
F02552HA030	F02553HA030	F02554HA030
F02552HA033	F02553HA033	F02554HA033

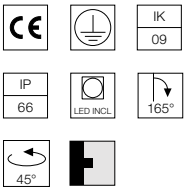


@ 3000K

Spine T 1 Pro Hp







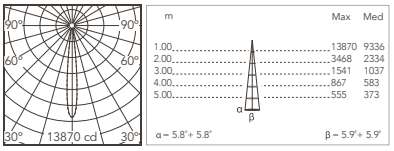
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni. Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02562BA001	○ F02563BA001	○ F02564BA001
● F02562BA006	● F02563BA006	● F02564BA006
● F02562BA012	● F02563BA012	● F02564BA012
● F02562BA018	● F02563BA018	● F02564BA018
● F02562BA030	● F02563BA030	● F02564BA030
● F02562BA033	● F02563BA033	● F02564BA033

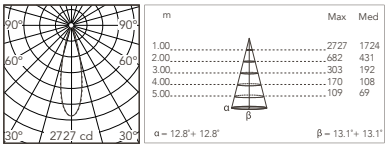


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02562CA001	○ F02563CA001	○ F02564CA001
● F02562CA006	● F02563CA006	● F02564CA006
● F02562CA012	● F02563CA012	● F02564CA012
● F02562CA018	● F02563CA018	● F02564CA018
● F02562CA030	● F02563CA030	● F02564CA030
● F02562CA033	● F02563CA033	● F02564CA033

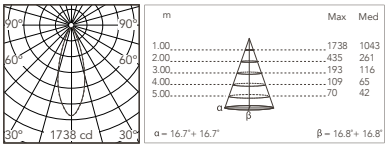


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02562DA001	○ F02563DA001	○ F02564DA001
● F02562DA006	● F02563DA006	● F02564DA006
● F02562DA012	● F02563DA012	● F02564DA012
● F02562DA018	● F02563DA018	● F02564DA018
● F02562DA030	● F02563DA030	● F02564DA030
● F02562DA033	● F02563DA033	● F02564DA033

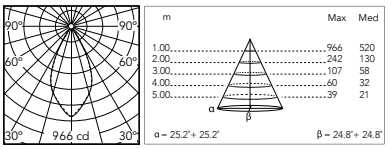


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02562EA001	○ F02563EA001	○ F02564EA001
● F02562EA006	● F02563EA006	● F02564EA006
● F02562EA012	● F02563EA012	● F02564EA012
● F02562EA018	● F02563EA018	● F02564EA018
● F02562EA030	● F02563EA030	● F02564EA030
● F02562EA033	● F02563EA033	● F02564EA033



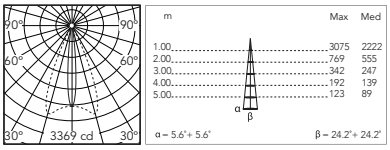
@ 3000K

Spine T 1 Pro Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02562FA001	○ F02563FA001	○ F02564FA001
● F02562FA006	● F02563FA006	● F02564FA006
● F02562FA012	● F02563FA012	● F02564FA012
● F02562FA018	● F02563FA018	● F02564FA018
● F02562FA030	● F02563FA030	● F02564FA030
● F02562FA033	● F02563FA033	● F02564FA033

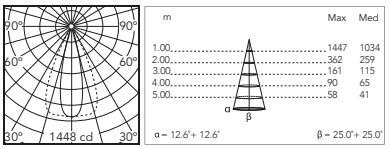


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02562GA001	○ F02563GA001	○ F02564GA001
● F02562GA006	● F02563GA006	● F02564GA006
● F02562GA012	● F02563GA012	● F02564GA012
● F02562GA018	● F02563GA018	● F02564GA018
● F02562GA030	● F02563GA030	● F02564GA030
● F02562GA033	● F02563GA033	● F02564GA033

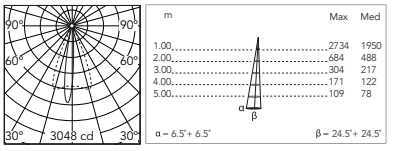


@ 3000K

Optic Wall Washer

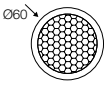
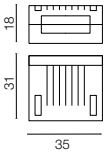
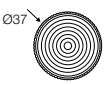
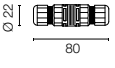
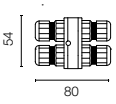
Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02562HA001	○ F02563HA001	○ F02564HA001
● F02562HA006	● F02563HA006	● F02564HA006
● F02562HA012	● F02563HA012	● F02564HA012
● F02562HA018	● F02563HA018	● F02564HA018
● F02562HA030	● F02563HA030	● F02564HA030
● F02562HA033	● F02563HA033	● F02564HA033



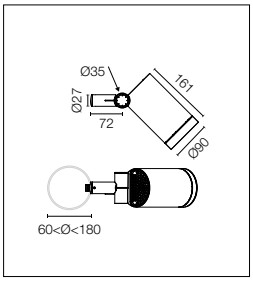
@ 3000K

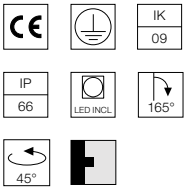
Spine T 1 Pro: Accessori / Accessories

Honeycomb	Honeycomb Louvre	F025Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000		
Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		 F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Spine T 2 Pro







Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

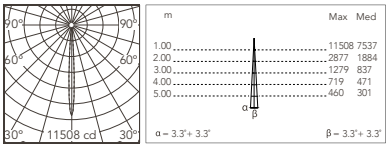
Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652AA001	○ F02653AA001	○ F02654AA001
● F02652AA006	● F02653AA006	● F02654AA006
● F02652AA012	● F02653AA012	● F02654AA012
● F02652AA018	● F02653AA018	● F02654AA018
● F02652AA030	● F02653AA030	● F02654AA030
● F02652AA033	● F02653AA033	● F02654AA033
1-10V	1-10V	1-10V
○ F02652AB001	○ F02653AB001	○ F02654AB001
● F02652AB006	● F02653AB006	● F02654AB006
● F02652AB012	● F02653AB012	● F02654AB012
● F02652AB018	● F02653AB018	● F02654AB018
● F02652AB030	● F02653AB030	● F02654AB030
● F02652AB033	● F02653AB033	● F02654AB033
Dali	Dali	Dali
○ F02652AD001	○ F02653AD001	○ F02654AD001
● F02652AD006	● F02653AD006	● F02654AD006
● F02652AD012	● F02653AD012	● F02654AD012
● F02652AD018	● F02653AD018	● F02654AD018
● F02652AD030	● F02653AD030	● F02654AD030
● F02652AD033	● F02653AD033	● F02654AD033

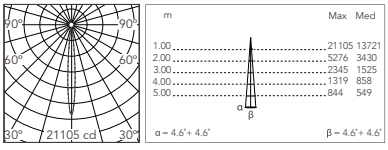


@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652BA001	○ F02653BA001	○ F02654BA001
● F02652BA006	● F02653BA006	● F02654BA006
● F02652BA012	● F02653BA012	● F02654BA012
● F02652BA018	● F02653BA018	● F02654BA018
● F02652BA030	● F02653BA030	● F02654BA030
● F02652BA033	● F02653BA033	● F02654BA033
1-10V	1-10V	1-10V
○ F02652BB001	○ F02653BB001	○ F02654BB001
● F02652BB006	● F02653BB006	● F02654BB006
● F02652BB012	● F02653BB012	● F02654BB012
● F02652BB018	● F02653BB018	● F02654BB018
● F02652BB030	● F02653BB030	● F02654BB030
● F02652BB033	● F02653BB033	● F02654BB033
Dali	Dali	Dali
○ F02652BD001	○ F02653BD001	○ F02654BD001
● F02652BD006	● F02653BD006	● F02654BD006
● F02652BD012	● F02653BD012	● F02654BD012
● F02652BD018	● F02653BD018	● F02654BD018
● F02652BD030	● F02653BD030	● F02654BD030
● F02652BD033	● F02653BD033	● F02654BD033

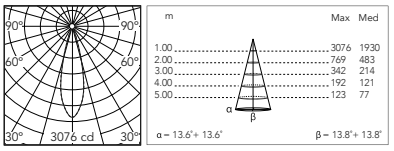


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652CA001	○ F02653CA001	○ F02654CA001
● F02652CA006	● F02653CA006	● F02654CA006
● F02652CA012	● F02653CA012	● F02654CA012
● F02652CA018	● F02653CA018	● F02654CA018
● F02652CA030	● F02653CA030	● F02654CA030
● F02652CA033	● F02653CA033	● F02654CA033
1-10V	1-10V	1-10V
○ F02652CB001	○ F02653CB001	○ F02654CB001
● F02652CB006	● F02653CB006	● F02654CB006
● F02652CB012	● F02653CB012	● F02654CB012
● F02652CB018	● F02653CB018	● F02654CB018
● F02652CB030	● F02653CB030	● F02654CB030
● F02652CB033	● F02653CB033	● F02654CB033
Dali	Dali	Dali
○ F02652CD001	○ F02653CD001	○ F02654CD001
● F02652CD006	● F02653CD006	● F02654CD006
● F02652CD012	● F02653CD012	● F02654CD012
● F02652CD018	● F02653CD018	● F02654CD018
● F02652CD030	● F02653CD030	● F02654CD030
● F02652CD033	● F02653CD033	● F02654CD033

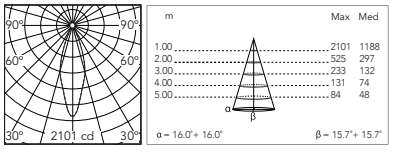


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652DA001	○ F02653DA001	○ F02654DA001
● F02652DA006	● F02653DA006	● F02654DA006
● F02652DA012	● F02653DA012	● F02654DA012
● F02652DA018	● F02653DA018	● F02654DA018
● F02652DA030	● F02653DA030	● F02654DA030
● F02652DA033	● F02653DA033	● F02654DA033
1-10V	1-10V	1-10V
○ F02652DB001	○ F02653DB001	○ F02654DB001
● F02652DB006	● F02653DB006	● F02654DB006
● F02652DB012	● F02653DB012	● F02654DB012
● F02652DB018	● F02653DB018	● F02654DB018
● F02652DB030	● F02653DB030	● F02654DB030
● F02652DB033	● F02653DB033	● F02654DB033
Dali	Dali	Dali
○ F02652DD001	○ F02653DD001	○ F02654DD001
● F02652DD006	● F02653DD006	● F02654DD006
● F02652DD012	● F02653DD012	● F02654DD012
● F02652DD018	● F02653DD018	● F02654DD018
● F02652DD030	● F02653DD030	● F02654DD030
● F02652DD033	● F02653DD033	● F02654DD033

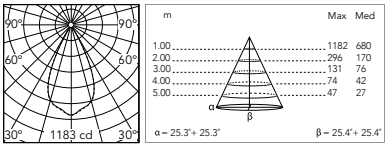


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652EA001	○ F02653EA001	○ F02654EA001
● F02652EA006	● F02653EA006	● F02654EA006
● F02652EA012	● F02653EA012	● F02654EA012
● F02652EA018	● F02653EA018	● F02654EA018
● F02652EA030	● F02653EA030	● F02654EA030
● F02652EA033	● F02653EA033	● F02654EA033
1-10V	1-10V	1-10V
○ F02652EB001	○ F02653EB001	○ F02654EB001
● F02652EB006	● F02653EB006	● F02654EB006
● F02652EB012	● F02653EB012	● F02654EB012
● F02652EB018	● F02653EB018	● F02654EB018
● F02652EB030	● F02653EB030	● F02654EB030
● F02652EB033	● F02653EB033	● F02654EB033
Dali	Dali	Dali
○ F02652ED001	○ F02653ED001	○ F02654ED001
● F02652ED006	● F02653ED006	● F02654ED006
● F02652ED012	● F02653ED012	● F02654ED012
● F02652ED018	● F02653ED018	● F02654ED018
● F02652ED030	● F02653ED030	● F02654ED030
● F02652ED033	● F02653ED033	● F02654ED033

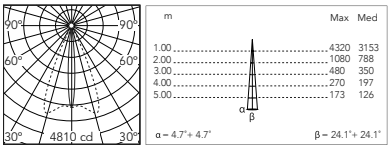


@ 3000K

Optic Elliptical 1 9,5° x 48°

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652FA001	○ F02653FA001	○ F02654FA001
● F02652FA006	● F02653FA006	● F02654FA006
● F02652FA012	● F02653FA012	● F02654FA012
● F02652FA018	● F02653FA018	● F02654FA018
● F02652FA030	● F02653FA030	● F02654FA030
● F02652FA033	● F02653FA033	● F02654FA033
1-10V	1-10V	1-10V
○ F02652FB001	○ F02653FB001	○ F02654FB001
● F02652FB006	● F02653FB006	● F02654FB006
● F02652FB012	● F02653FB012	● F02654FB012
● F02652FB018	● F02653FB018	● F02654FB018
● F02652FB030	● F02653FB030	● F02654FB030
● F02652FB033	● F02653FB033	● F02654FB033
Dali	Dali	Dali
○ F02652FD001	○ F02653FD001	○ F02654FD001
● F02652FD006	● F02653FD006	● F02654FD006
● F02652FD012	● F02653FD012	● F02654FD012
● F02652FD018	● F02653FD018	● F02654FD018
● F02652FD030	● F02653FD030	● F02654FD030
● F02652FD033	● F02653FD033	● F02654FD033

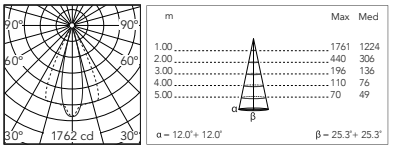


@ 3000K

Optic Elliptical 2 24° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652GA001	○ F02653GA001	○ F02654GA001
● F02652GA006	● F02653GA006	● F02654GA006
● F02652GA012	● F02653GA012	● F02654GA012
● F02652GA018	● F02653GA018	● F02654GA018
● F02652GA030	● F02653GA030	● F02654GA030
● F02652GA033	● F02653GA033	● F02654GA033
1-10V	1-10V	1-10V
○ F02652GB001	○ F02653GB001	○ F02654GB001
● F02652GB006	● F02653GB006	● F02654GB006
● F02652GB012	● F02653GB012	● F02654GB012
● F02652GB018	● F02653GB018	● F02654GB018
● F02652GB030	● F02653GB030	● F02654GB030
● F02652GB033	● F02653GB033	● F02654GB033
Dali	Dali	Dali
○ F02652GD001	○ F02653GD001	○ F02654GD001
● F02652GD006	● F02653GD006	● F02654GD006
● F02652GD012	● F02653GD012	● F02654GD012
● F02652GD018	● F02653GD018	● F02654GD018
● F02652GD030	● F02653GD030	● F02654GD030
● F02652GD033	● F02653GD033	● F02654GD033

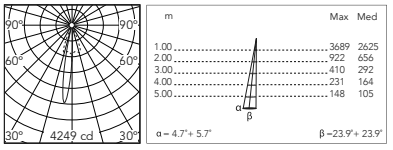


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

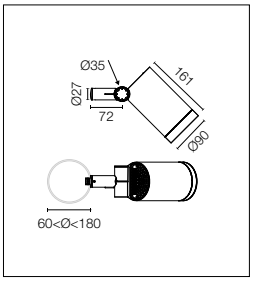
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02652HA001	○ F02653HA001	○ F02654HA001
● F02652HA006	● F02653HA006	● F02654HA006
● F02652HA012	● F02653HA012	● F02654HA012
● F02652HA018	● F02653HA018	● F02654HA018
● F02652HA030	● F02653HA030	● F02654HA030
● F02652HA033	● F02653HA033	● F02654HA033
1-10V	1-10V	1-10V
○ F02652HB001	○ F02653HB001	○ F02654HB001
● F02652HB006	● F02653HB006	● F02654HB006
● F02652HB012	● F02653HB012	● F02654HB012
● F02652HB018	● F02653HB018	● F02654HB018
● F02652HB030	● F02653HB030	● F02654HB030
● F02652HB033	● F02653HB033	● F02654HB033
Dali	Dali	Dali
○ F02652HD001	○ F02653HD001	○ F02654HD001
● F02652HD006	● F02653HD006	● F02654HD006
● F02652HD012	● F02653HD012	● F02654HD012
● F02652HD018	● F02653HD018	● F02654HD018
● F02652HD030	● F02653HD030	● F02654HD030
● F02652HD033	● F02653HD033	● F02654HD033

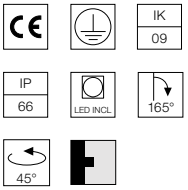


@ 3000K

Spine T 2 Pro Hp







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

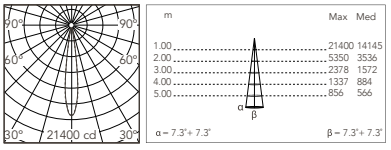
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02662BA001	○ F02663BA001	○ F02664BA001
● F02662BA006	● F02663BA006	● F02664BA006
● F02662BA012	● F02663BA012	● F02664BA012
● F02662BA018	● F02663BA018	● F02664BA018
● F02662BA030	● F02663BA030	● F02664BA030
● F02662BA033	● F02663BA033	● F02664BA033
1-10V	1-10V	1-10V
○ F02662BB001	○ F02663BB001	○ F02664BB001
● F02662BB006	● F02663BB006	● F02664BB006
● F02662BB012	● F02663BB012	● F02664BB012
● F02662BB018	● F02663BB018	● F02664BB018
● F02662BB030	● F02663BB030	● F02664BB030
● F02662BB033	● F02663BB033	● F02664BB033
Dali	Dali	Dali
○ F02662BD001	○ F02663BD001	○ F02664BD001
● F02662BD006	● F02663BD006	● F02664BD006
● F02662BD012	● F02663BD012	● F02664BD012
● F02662BD018	● F02663BD018	● F02664BD018
● F02662BD030	● F02663BD030	● F02664BD030
● F02662BD033	● F02663BD033	● F02664BD033

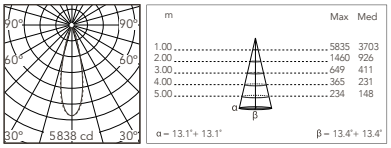


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02662CA001	○ F02663CA001	○ F02664CA001
● F02662CA006	● F02663CA006	● F02664CA006
● F02662CA012	● F02663CA012	● F02664CA012
● F02662CA018	● F02663CA018	● F02664CA018
● F02662CA030	● F02663CA030	● F02664CA030
● F02662CA033	● F02663CA033	● F02664CA033
1-10V	1-10V	1-10V
○ F02662CB001	○ F02663CB001	○ F02664CB001
● F02662CB006	● F02663CB006	● F02664CB006
● F02662CB012	● F02663CB012	● F02664CB012
● F02662CB018	● F02663CB018	● F02664CB018
● F02662CB030	● F02663CB030	● F02664CB030
● F02662CB033	● F02663CB033	● F02664CB033
Dali	Dali	Dali
○ F02662CD001	○ F02663CD001	○ F02664CD001
● F02662CD006	● F02663CD006	● F02664CD006
● F02662CD012	● F02663CD012	● F02664CD012
● F02662CD018	● F02663CD018	● F02664CD018
● F02662CD030	● F02663CD030	● F02664CD030
● F02662CD033	● F02663CD033	● F02664CD033

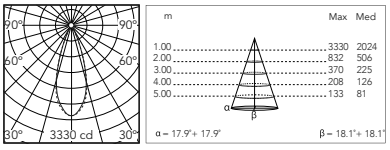


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02662DA001	○ F02663DA001	○ F02664DA001
● F02662DA006	● F02663DA006	● F02664DA006
● F02662DA012	● F02663DA012	● F02664DA012
● F02662DA018	● F02663DA018	● F02664DA018
● F02662DA030	● F02663DA030	● F02664DA030
● F02662DA033	● F02663DA033	● F02664DA033
1-10V	1-10V	1-10V
○ F02662DB001	○ F02663DB001	○ F02664DB001
● F02662DB006	● F02663DB006	● F02664DB006
● F02662DB012	● F02663DB012	● F02664DB012
● F02662DB018	● F02663DB018	● F02664DB018
● F02662DB030	● F02663DB030	● F02664DB030
● F02662DB033	● F02663DB033	● F02664DB033
Dali	Dali	Dali
○ F02662DD001	○ F02663DD001	○ F02664DD001
● F02662DD006	● F02663DD006	● F02664DD006
● F02662DD012	● F02663DD012	● F02664DD012
● F02662DD018	● F02663DD018	● F02664DD018
● F02662DD030	● F02663DD030	● F02664DD030
● F02662DD033	● F02663DD033	● F02664DD033

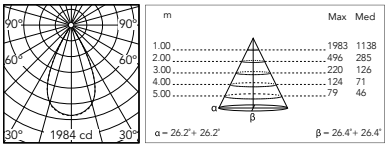


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02662EA001	○ F02663EA001	○ F02664EA001
● F02662EA006	● F02663EA006	● F02664EA006
● F02662EA012	● F02663EA012	● F02664EA012
● F02662EA018	● F02663EA018	● F02664EA018
● F02662EA030	● F02663EA030	● F02664EA030
● F02662EA033	● F02663EA033	● F02664EA033
1-10V	1-10V	1-10V
○ F02662EB001	○ F02663EB001	○ F02664EB001
● F02662EB006	● F02663EB006	● F02664EB006
● F02662EB012	● F02663EB012	● F02664EB012
● F02662EB018	● F02663EB018	● F02664EB018
● F02662EB030	● F02663EB030	● F02664EB030
● F02662EB033	● F02663EB033	● F02664EB033
Dali	Dali	Dali
○ F02662ED001	○ F02663ED001	○ F02664ED001
● F02662ED006	● F02663ED006	● F02664ED006
● F02662ED012	● F02663ED012	● F02664ED012
● F02662ED018	● F02663ED018	● F02664ED018
● F02662ED030	● F02663ED030	● F02664ED030
● F02662ED033	● F02663ED033	● F02664ED033

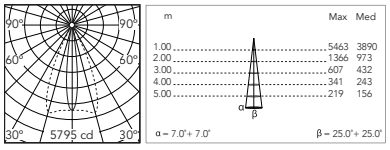


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02662FA001	○ F02663FA001	○ F02664FA001
● F02662FA006	● F02663FA006	● F02664FA006
● F02662FA012	● F02663FA012	● F02664FA012
● F02662FA018	● F02663FA018	● F02664FA018
● F02662FA030	● F02663FA030	● F02664FA030
● F02662FA033	● F02663FA033	● F02664FA033
1-10V	1-10V	1-10V
○ F02662FB001	○ F02663FB001	○ F02664FB001
● F02662FB006	● F02663FB006	● F02664FB006
● F02662FB012	● F02663FB012	● F02664FB012
● F02662FB018	● F02663FB018	● F02664FB018
● F02662FB030	● F02663FB030	● F02664FB030
● F02662FB033	● F02663FB033	● F02664FB033
Dali	Dali	Dali
○ F02662FD001	○ F02663FD001	○ F02664FD001
● F02662FD006	● F02663FD006	● F02664FD006
● F02662FD012	● F02663FD012	● F02664FD012
● F02662FD018	● F02663FD018	● F02664FD018
● F02662FD030	● F02663FD030	● F02664FD030
● F02662FD033	● F02663FD033	● F02664FD033



@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F02662GA001
- F02662GA006
- F02662GA012
- F02662GA018
- ● F02662GA030
- F02662GA033

1-10V

- ○ F02662GB001
- F02662GB006
- F02662GB012
- F02662GB018
- ● F02662GB030
- F02662GB033

Dali

- ○ F02662GD001
- F02662GD006
- F02662GD012
- F02662GD018
- ● F02662GD030
- F02662GD033

3000K

Non Dimmable

- ○ F02663GA001
- F02663GA006
- F02663GA012
- F02663GA018
- ● F02663GA030
- F02663GA033

1-10V

- ○ F02663GB001
- F02663GB006
- F02663GB012
- F02663GB018
- ● F02663GB030
- F02663GB033

Dali

- ○ F02663GD001
- F02663GD006
- F02663GD012
- F02663GD018
- ● F02663GD030
- F02663GD033

4000K

Non Dimmable

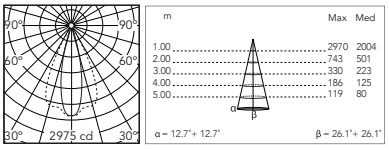
- ○ F02664GA001
- F02664GA006
- F02664GA012
- F02664GA018
- ● F02664GA030
- F02664GA033

1-10V

- ○ F02664GB001
- F02664GB006
- F02664GB012
- F02664GB018
- ● F02664GB030
- F02664GB033

Dali

- ○ F02664GD001
- F02664GD006
- F02664GD012
- F02664GD018
- ● F02664GD030
- F02664GD033



@ 3000K

Optic Wall Washer

Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F02662HA001
- F02662HA006
- F02662HA012
- F02662HA018
- ● F02662HA030
- F02662HA033

1-10V

- ○ F02662HB001
- F02662HB006
- F02662HB012
- F02662HB018
- ● F02662HB030
- F02662HB033

Dali

- ○ F02662HD001
- F02662HD006
- F02662HD012
- F02662HD018
- ● F02662HD030
- F02662HD033

3000K

Non Dimmable

- ○ F02663HA001
- F02663HA006
- F02663HA012
- F02663HA018
- ● F02663HA030
- F02663HA033

1-10V

- ○ F02663HB001
- F02663HB006
- F02663HB012
- F02663HB018
- ● F02663HB030
- F02663HB033

Dali

- ○ F02663HD001
- F02663HD006
- F02663HD012
- F02663HD018
- ● F02663HD030
- F02663HD033

4000K

Non Dimmable

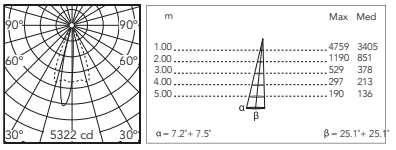
- ○ F02664HA001
- F02664HA006
- F02664HA012
- F02664HA018
- ● F02664HA030
- F02664HA033

1-10V

- ○ F02664HB001
- F02664HB006
- F02664HB012
- F02664HB018
- ● F02664HB030
- F02664HB033

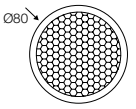
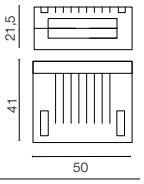
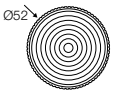
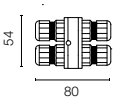
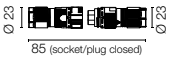
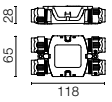
Dali

- ○ F02664HD001
- F02664HD006
- F02664HD012
- F02664HD018
- ● F02664HD030
- F02664HD033



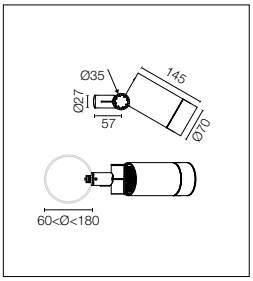
@ 3000K

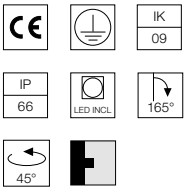
Spine T 2 Pro: Accessori / Accessories

Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		









Sorgente Power LED inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

2200K disponibile su richiesta.

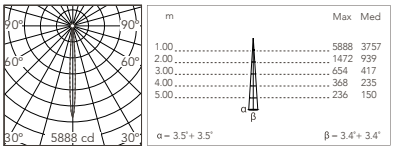
Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02512AA001	○ F02513AA001	○ F02514AA001
● F02512AA006	● F02513AA006	● F02514AA006
● F02512AA012	● F02513AA012	● F02514AA012
● F02512AA018	● F02513AA018	● F02514AA018
● F02512AA030	● F02513AA030	● F02514AA030
● F02512AA033	● F02513AA033	● F02514AA033

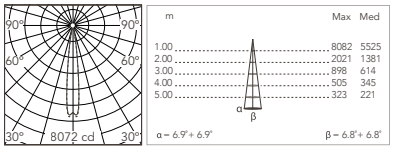


@ 3000K

Optic Spot 14°

Power Led: 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02512BA001	○ F02513BA001	○ F02514BA001
● F02512BA006	● F02513BA006	● F02514BA006
● F02512BA012	● F02513BA012	● F02514BA012
● F02512BA018	● F02513BA018	● F02514BA018
● F02512BA030	● F02513BA030	● F02514BA030
● F02512BA033	● F02513BA033	● F02514BA033

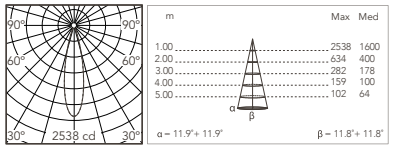


@ 3000K

Optic Medium Flood 24,5°

Power Led: 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02512CA001	○ F02513CA001	○ F02514CA001
● F02512CA006	● F02513CA006	● F02514CA006
● F02512CA012	● F02513CA012	● F02514CA012
● F02512CA018	● F02513CA018	● F02514CA018
● F02512CA030	● F02513CA030	● F02514CA030
● F02512CA033	● F02513CA033	● F02514CA033

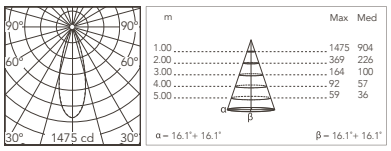


@ 3000K

Optic Flood 32°

Power Led: 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02512DA001	○ F02513DA001	○ F02514DA001
● F02512DA006	● F02513DA006	● F02514DA006
● F02512DA012	● F02513DA012	● F02514DA012
● F02512DA018	● F02513DA018	● F02514DA018
● F02512DA030	● F02513DA030	● F02514DA030
● F02512DA033	● F02513DA033	● F02514DA033

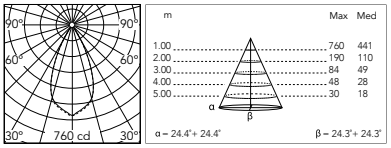


@ 3000K

Optic Wide Flood 49º

Power Led: 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02512EA001	F02513EA001	F02514EA001
F02512EA006	F02513EA006	F02514EA006
F02512EA012	F02513EA012	F02514EA012
F02512EA018	F02513EA018	F02514EA018
F02512EA030	F02513EA030	F02514EA030
F02512EA033	F02513EA033	F02514EA033

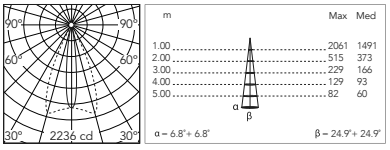


@ 3000K

Optic Elliptical 1 13,5º x 50º

Power Led: 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02512FA001	F02513FA001	F02514FA001
F02512FA006	F02513FA006	F02514FA006
F02512FA012	F02513FA012	F02514FA012
F02512FA018	F02513FA018	F02514FA018
F02512FA030	F02513FA030	F02514FA030
F02512FA033	F02513FA033	F02514FA033

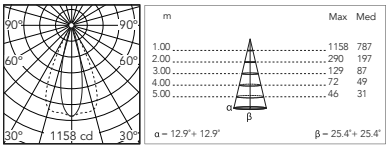


@ 3000K

Optic Elliptical 2 26º x 51º

Power Led: 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02512GA001	F02513GA001	F02514GA001
F02512GA006	F02513GA006	F02514GA006
F02512GA012	F02513GA012	F02514GA012
F02512GA018	F02513GA018	F02514GA018
F02512GA030	F02513GA030	F02514GA030
F02512GA033	F02513GA033	F02514GA033

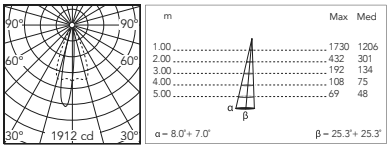


@ 3000K

Optic Wall Washer

Power Led: 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

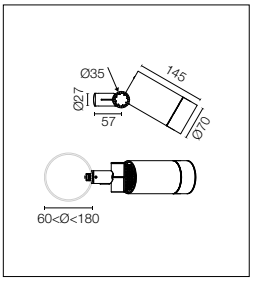
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F02512HA001	F02513HA001	F02514HA001
F02512HA006	F02513HA006	F02514HA006
F02512HA012	F02513HA012	F02514HA012
F02512HA018	F02513HA018	F02514HA018
F02512HA030	F02513HA030	F02514HA030
F02512HA033	F02513HA033	F02514HA033

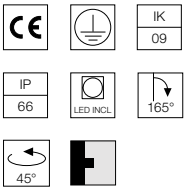


@ 3000K

Spine T 1 Ultra Hp







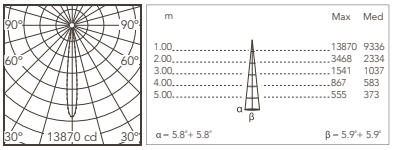
Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.
Versione dimmerabile 1-10V o DALI con alimentatore remoto 24Vdc a richiesta.

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Optic Spot 12°

Power Led: 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02522BA001	○ F02523BA001	○ F02524BA001
● F02522BA006	● F02523BA006	● F02524BA006
● F02522BA012	● F02523BA012	● F02524BA012
● F02522BA018	● F02523BA018	● F02524BA018
● F02522BA030	● F02523BA030	● F02524BA030
● F02522BA033	● F02523BA033	● F02524BA033

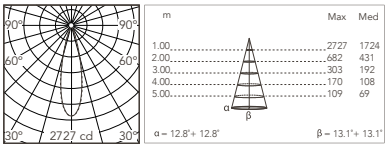


@ 3000K

Optic Medium Flood 26,5°

Power Led: 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02522CA001	○ F02523CA001	○ F02524CA001
● F02522CA006	● F02523CA006	● F02524CA006
● F02522CA012	● F02523CA012	● F02524CA012
● F02522CA018	● F02523CA018	● F02524CA018
● F02522CA030	● F02523CA030	● F02524CA030
● F02522CA033	● F02523CA033	● F02524CA033

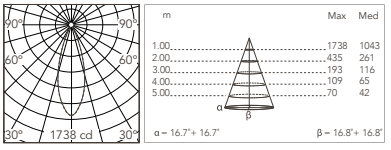


@ 3000K

Optic Flood 33,5°

Power Led: 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02522DA001	○ F02523DA001	○ F02524DA001
● F02522DA006	● F02523DA006	● F02524DA006
● F02522DA012	● F02523DA012	● F02524DA012
● F02522DA018	● F02523DA018	● F02524DA018
● F02522DA030	● F02523DA030	● F02524DA030
● F02522DA033	● F02523DA033	● F02524DA033

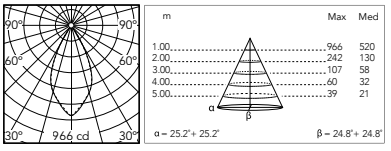


@ 3000K

Optic Wide Flood 50°

Power Led: 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02522EA001	○ F02523EA001	○ F02524EA001
● F02522EA006	● F02523EA006	● F02524EA006
● F02522EA012	● F02523EA012	● F02524EA012
● F02522EA018	● F02523EA018	● F02524EA018
● F02522EA030	● F02523EA030	● F02524EA030
● F02522EA033	● F02523EA033	● F02524EA033



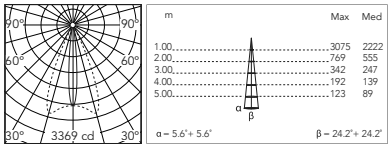
@ 3000K

Spine T 1 Ultra Hp

Optic Elliptical 1 11,5° x 49°

Power Led: 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02522FA001	○ F02523FA001	○ F02524FA001
● F02522FA006	● F02523FA006	● F02524FA006
● F02522FA012	● F02523FA012	● F02524FA012
● F02522FA018	● F02523FA018	● F02524FA018
● F02522FA030	● F02523FA030	● F02524FA030
● F02522FA033	● F02523FA033	● F02524FA033

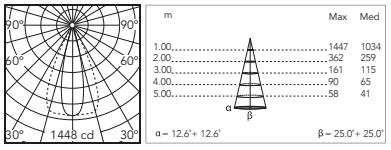


@ 3000K

Optic Elliptical 2 25,5° x 50°

Power Led: 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02522GA001	○ F02523GA001	○ F02524GA001
● F02522GA006	● F02523GA006	● F02524GA006
● F02522GA012	● F02523GA012	● F02524GA012
● F02522GA018	● F02523GA018	● F02524GA018
● F02522GA030	● F02523GA030	● F02524GA030
● F02522GA033	● F02523GA033	● F02524GA033

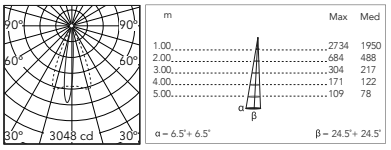


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

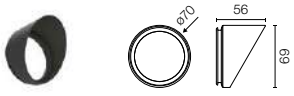
2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F02522HA001	○ F02523HA001	○ F02524HA001
● F02522HA006	● F02523HA006	● F02524HA006
● F02522HA012	● F02523HA012	● F02524HA012
● F02522HA018	● F02523HA018	● F02524HA018
● F02522HA030	● F02523HA030	● F02524HA030
● F02522HA033	● F02523HA033	● F02524HA033



@ 3000K

Spine T 1 Ultra: Accessori / Accessories

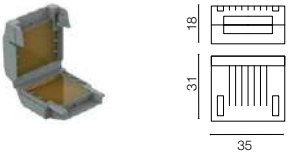
Visor	Visor	○ F025Z050001 ● F025Z050006 ● F025Z050012 ● F025Z050018 ● F025Z050030 ● F025Z050033



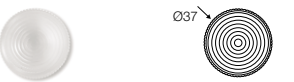
Honeycomb	Honeycomb Louvre	F025Z060000



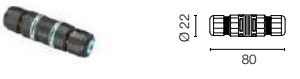
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000



Lenti converter / Converter lenses: - Converter Spine 0 / Spine 1 Optic Medium Flood - Converter Spine 0 / Spine 1 Optic Flood - Converter Spine 0 / Spine 1 Optic Wide Flood - Converter Spine 0 / Spine 1 Optic Elliptic 1 - Converter Spine 0 / Spine 1 Optic Elliptic 2 - Converter Spine 0 / Spine 1 Optic Wall Washer		F029Z010000 F029Z011000 F029Z012000 F029Z013000 F029Z014000 F029Z015000



Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000

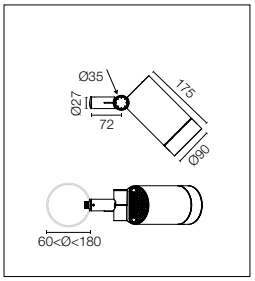


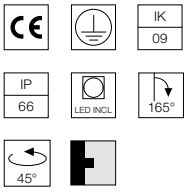
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000



Spine T 2 Ultra







Sorgente Power LED. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

Optic Narrow Spot

2200K disponibile su richiesta.

Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Narrow Spot

2200K available on request.

Optic Narrow Spot 6°

Power Led: 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F02612AA001
- F02612AA006
- F02612AA012
- F02612AA018
- ● F02612AA030
- F02612AA033

1-10V

- ○ F02612AB001
- F02612AB006
- F02612AB012
- F02612AB018
- ● F02612AB030
- F02612AB033

Dali

- ○ F02612AD001
- F02612AD006
- F02612AD012
- F02612AD018
- ● F02612AD030
- F02612AD033

3000K

Non Dimmable

- ○ F02613AA001
- F02613AA006
- F02613AA012
- F02613AA018
- ● F02613AA030
- F02613AA033

1-10V

- ○ F02613AB001
- F02613AB006
- F02613AB012
- F02613AB018
- ● F02613AB030
- F02613AB033

Dali

- ○ F02613AD001
- F02613AD006
- F02613AD012
- F02613AD018
- ● F02613AD030
- F02613AD033

4000K

Non Dimmable

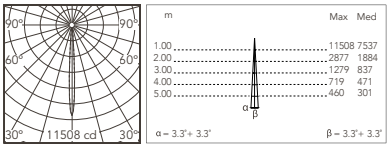
- ○ F02614AA001
- F02614AA006
- F02614AA012
- F02614AA018
- ● F02614AA030
- F02614AA033

1-10V

- ○ F02614AB001
- F02614AB006
- F02614AB012
- F02614AB018
- ● F02614AB030
- F02614AB033

Dali

- ○ F02614AD001
- F02614AD006
- F02614AD012
- F02614AD018
- ● F02614AD030
- F02614AD033



@ 3000K

Optic Spot 9,5°

Power Led: 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F02612BA001
- F02612BA006
- F02612BA012
- F02612BA018
- ● F02612BA030
- F02612BA033

1-10V

- ○ F02612BB001
- F02612BB006
- F02612BB012
- F02612BB018
- ● F02612BB030
- F02612BB033

Dali

- ○ F02612BD001
- F02612BD006
- F02612BD012
- F02612BD018
- ● F02612BD030
- F02612BD033

3000K

Non Dimmable

- ○ F02613BA001
- F02613BA006
- F02613BA012
- F02613BA018
- ● F02613BA030
- F02613BA033

1-10V

- ○ F02613BB001
- F02613BB006
- F02613BB012
- F02613BB018
- ● F02613BB030
- F02613BB033

Dali

- ○ F02613BD001
- F02613BD006
- F02613BD012
- F02613BD018
- ● F02613BD030
- F02613BD033

4000K

Non Dimmable

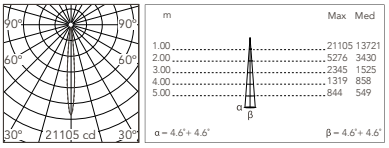
- ○ F02614BA001
- F02614BA006
- F02614BA012
- F02614BA018
- ● F02614BA030
- F02614BA033

1-10V

- ○ F02614BB001
- F02614BB006
- F02614BB012
- F02614BB018
- ● F02614BB030
- F02614BB033

Dali

- ○ F02614BD001
- F02614BD006
- F02614BD012
- F02614BD018
- ● F02614BD030
- F02614BD033

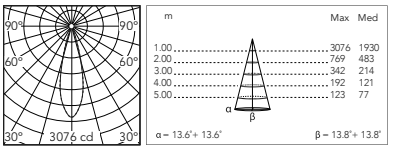


@ 3000K

Optic Medium Flood 28°

Power Led: 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612CA001	○ F02613CA001	○ F02614CA001
● F02612CA006	● F02613CA006	● F02614CA006
● F02612CA012	● F02613CA012	● F02614CA012
● F02612CA018	● F02613CA018	● F02614CA018
● F02612CA030	● F02613CA030	● F02614CA030
● F02612CA033	● F02613CA033	● F02614CA033
1-10V	1-10V	1-10V
○ F02612CB001	○ F02613CB001	○ F02614CB001
● F02612CB006	● F02613CB006	● F02614CB006
● F02612CB012	● F02613CB012	● F02614CB012
● F02612CB018	● F02613CB018	● F02614CB018
● F02612CB030	● F02613CB030	● F02614CB030
● F02612CB033	● F02613CB033	● F02614CB033
Dali	Dali	Dali
○ F02612CD001	○ F02613CD001	○ F02614CD001
● F02612CD006	● F02613CD006	● F02614CD006
● F02612CD012	● F02613CD012	● F02614CD012
● F02612CD018	● F02613CD018	● F02614CD018
● F02612CD030	● F02613CD030	● F02614CD030
● F02612CD033	● F02613CD033	● F02614CD033

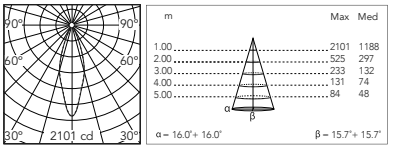


@ 3000K

Optic Flood 33°

Power Led: 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612DA001	○ F02613DA001	○ F02614DA001
● F02612DA006	● F02613DA006	● F02614DA006
● F02612DA012	● F02613DA012	● F02614DA012
● F02612DA018	● F02613DA018	● F02614DA018
● F02612DA030	● F02613DA030	● F02614DA030
● F02612DA033	● F02613DA033	● F02614DA033
1-10V	1-10V	1-10V
○ F02612DB001	○ F02613DB001	○ F02614DB001
● F02612DB006	● F02613DB006	● F02614DB006
● F02612DB012	● F02613DB012	● F02614DB012
● F02612DB018	● F02613DB018	● F02614DB018
● F02612DB030	● F02613DB030	● F02614DB030
● F02612DB033	● F02613DB033	● F02614DB033
Dali	Dali	Dali
○ F02612DD001	○ F02613DD001	○ F02614DD001
● F02612DD006	● F02613DD006	● F02614DD006
● F02612DD012	● F02613DD012	● F02614DD012
● F02612DD018	● F02613DD018	● F02614DD018
● F02612DD030	● F02613DD030	● F02614DD030
● F02612DD033	● F02613DD033	● F02614DD033

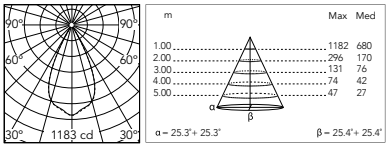


@ 3000K

Optic Wide Flood 51°

Power Led: 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612EA001	○ F02613EA001	○ F02614EA001
● F02612EA006	● F02613EA006	● F02614EA006
● F02612EA012	● F02613EA012	● F02614EA012
● F02612EA018	● F02613EA018	● F02614EA018
● F02612EA030	● F02613EA030	● F02614EA030
● F02612EA033	● F02613EA033	● F02614EA033
1-10V	1-10V	1-10V
○ F02612EB001	○ F02613EB001	○ F02614EB001
● F02612EB006	● F02613EB006	● F02614EB006
● F02612EB012	● F02613EB012	● F02614EB012
● F02612EB018	● F02613EB018	● F02614EB018
● F02612EB030	● F02613EB030	● F02614EB030
● F02612EB033	● F02613EB033	● F02614EB033
Dali	Dali	Dali
○ F02612ED001	○ F02613ED001	○ F02614ED001
● F02612ED006	● F02613ED006	● F02614ED006
● F02612ED012	● F02613ED012	● F02614ED012
● F02612ED018	● F02613ED018	● F02614ED018
● F02612ED030	● F02613ED030	● F02614ED030
● F02612ED033	● F02613ED033	● F02614ED033

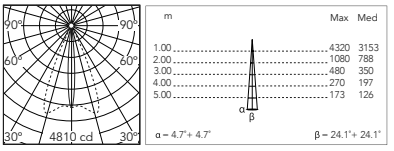


@ 3000K

Optic Elliptical 1 9,5º x 48º

Power Led: 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612FA001	○ F02613FA001	○ F02614FA001
● F02612FA006	● F02613FA006	● F02614FA006
● F02612FA012	● F02613FA012	● F02614FA012
● F02612FA018	● F02613FA018	● F02614FA018
● F02612FA030	● F02613FA030	● F02614FA030
● F02612FA033	● F02613FA033	● F02614FA033
1-10V	1-10V	1-10V
○ F02612FB001	○ F02613FB001	○ F02614FB001
● F02612FB006	● F02613FB006	● F02614FB006
● F02612FB012	● F02613FB012	● F02614FB012
● F02612FB018	● F02613FB018	● F02614FB018
● F02612FB030	● F02613FB030	● F02614FB030
● F02612FB033	● F02613FB033	● F02614FB033
Dali	Dali	Dali
○ F02612FD001	○ F02613FD001	○ F02614FD001
● F02612FD006	● F02613FD006	● F02614FD006
● F02612FD012	● F02613FD012	● F02614FD012
● F02612FD018	● F02613FD018	● F02614FD018
● F02612FD030	● F02613FD030	● F02614FD030
● F02612FD033	● F02613FD033	● F02614FD033

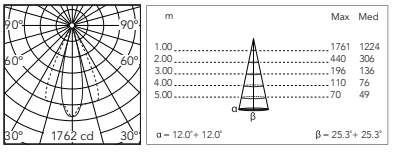


@ 3000K

Optic Elliptical 2 24º x 50º

Power Led: 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612GA001	○ F02613GA001	○ F02614GA001
● F02612GA006	● F02613GA006	● F02614GA006
● F02612GA012	● F02613GA012	● F02614GA012
● F02612GA018	● F02613GA018	● F02614GA018
● F02612GA030	● F02613GA030	● F02614GA030
● F02612GA033	● F02613GA033	● F02614GA033
1-10V	1-10V	1-10V
○ F02612GB001	○ F02613GB001	○ F02614GB001
● F02612GB006	● F02613GB006	● F02614GB006
● F02612GB012	● F02613GB012	● F02614GB012
● F02612GB018	● F02613GB018	● F02614GB018
● F02612GB030	● F02613GB030	● F02614GB030
● F02612GB033	● F02613GB033	● F02614GB033
Dali	Dali	Dali
○ F02612GD001	○ F02613GD001	○ F02614GD001
● F02612GD006	● F02613GD006	● F02614GD006
● F02612GD012	● F02613GD012	● F02614GD012
● F02612GD018	● F02613GD018	● F02614GD018
● F02612GD030	● F02613GD030	● F02614GD030
● F02612GD033	● F02613GD033	● F02614GD033

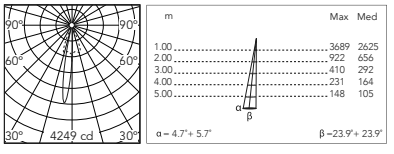


@ 3000K

Optic Wall Washer

Power Led: 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

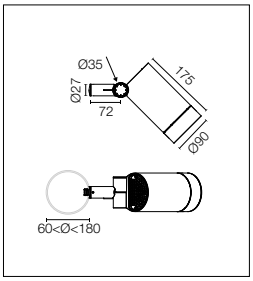
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02612HA001	○ F02613HA001	○ F02614HA001
● F02612HA006	● F02613HA006	● F02614HA006
● F02612HA012	● F02613HA012	● F02614HA012
● F02612HA018	● F02613HA018	● F02614HA018
● F02612HA030	● F02613HA030	● F02614HA030
● F02612HA033	● F02613HA033	● F02614HA033
1-10V	1-10V	1-10V
○ F02612HB001	○ F02613HB001	○ F02614HB001
● F02612HB006	● F02613HB006	● F02614HB006
● F02612HB012	● F02613HB012	● F02614HB012
● F02612HB018	● F02613HB018	● F02614HB018
● F02612HB030	● F02613HB030	● F02614HB030
● F02612HB033	● F02613HB033	● F02614HB033
Dali	Dali	Dali
○ F02612HD001	○ F02613HD001	○ F02614HD001
● F02612HD006	● F02613HD006	● F02614HD006
● F02612HD012	● F02613HD012	● F02614HD012
● F02612HD018	● F02613HD018	● F02614HD018
● F02612HD030	● F02613HD030	● F02614HD030
● F02612HD033	● F02613HD033	● F02614HD033

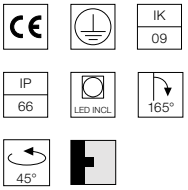


@ 3000K

Spine T 2 Ultra Hp







Sorgente Power LED ad alta efficienza inclusa. Equipaggiato con snoot integrato per un maggiore comfort visivo; accessorio visor a taglio asimmetrico disponibile. Accessori collimatori disponibili per variare le aperture del fascio luminoso. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa per il fissaggio a palo integrata, per pali diametro compreso tra 60 e 102 mm, spessore massimo 3 mm. Dotata di spezzone di cavo uscente in neoprene da 5m (10m a richiesta) per connessione elettrica remota; per garantire la tenuta è consigliabile utilizzare cavi flessibili idonei all'impiego in ambienti esterni.

2200K disponibile su richiesta.

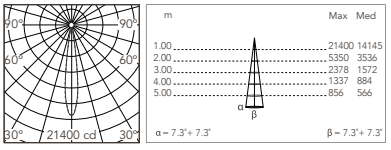
Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

Optic Spot 14,5°

Power Led: 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622BA001	○ F02623BA001	○ F02624BA001
● F02622BA006	● F02623BA006	● F02624BA006
● F02622BA012	● F02623BA012	● F02624BA012
● F02622BA018	● F02623BA018	● F02624BA018
● F02622BA030	● F02623BA030	● F02624BA030
● F02622BA033	● F02623BA033	● F02624BA033
1-10V	1-10V	1-10V
○ F02622BB001	○ F02623BB001	○ F02624BB001
● F02622BB006	● F02623BB006	● F02624BB006
● F02622BB012	● F02623BB012	● F02624BB012
● F02622BB018	● F02623BB018	● F02624BB018
● F02622BB030	● F02623BB030	● F02624BB030
● F02622BB033	● F02623BB033	● F02624BB033
Dali	Dali	Dali
○ F02622BD001	○ F02623BD001	○ F02624BD001
● F02622BD006	● F02623BD006	● F02624BD006
● F02622BD012	● F02623BD012	● F02624BD012
● F02622BD018	● F02623BD018	● F02624BD018
● F02622BD030	● F02623BD030	● F02624BD030
● F02622BD033	● F02623BD033	● F02624BD033

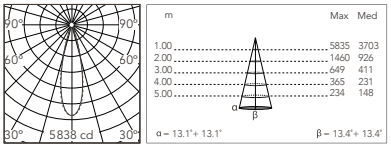


@ 3000K

Optic Medium Flood 26°

Power Led: 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622CA001	○ F02623CA001	○ F02624CA001
● F02622CA006	● F02623CA006	● F02624CA006
● F02622CA012	● F02623CA012	● F02624CA012
● F02622CA018	● F02623CA018	● F02624CA018
● F02622CA030	● F02623CA030	● F02624CA030
● F02622CA033	● F02623CA033	● F02624CA033
1-10V	1-10V	1-10V
○ F02622CB001	○ F02623CB001	○ F02624CB001
● F02622CB006	● F02623CB006	● F02624CB006
● F02622CB012	● F02623CB012	● F02624CB012
● F02622CB018	● F02623CB018	● F02624CB018
● F02622CB030	● F02623CB030	● F02624CB030
● F02622CB033	● F02623CB033	● F02624CB033
Dali	Dali	Dali
○ F02622CD001	○ F02623CD001	○ F02624CD001
● F02622CD006	● F02623CD006	● F02624CD006
● F02622CD012	● F02623CD012	● F02624CD012
● F02622CD018	● F02623CD018	● F02624CD018
● F02622CD030	● F02623CD030	● F02624CD030
● F02622CD033	● F02623CD033	● F02624CD033

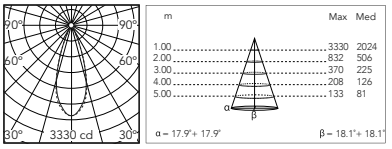


@ 3000K

Optic Flood 36°

Power Led: 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622DA001	○ F02623DA001	○ F02624DA001
● F02622DA006	● F02623DA006	● F02624DA006
● F02622DA012	● F02623DA012	● F02624DA012
● F02622DA018	● F02623DA018	● F02624DA018
● F02622DA030	● F02623DA030	● F02624DA030
● F02622DA033	● F02623DA033	● F02624DA033
1-10V	1-10V	1-10V
○ F02622DB001	○ F02623DB001	○ F02624DB001
● F02622DB006	● F02623DB006	● F02624DB006
● F02622DB012	● F02623DB012	● F02624DB012
● F02622DB018	● F02623DB018	● F02624DB018
● F02622DB030	● F02623DB030	● F02624DB030
● F02622DB033	● F02623DB033	● F02624DB033
Dali	Dali	Dali
○ F02622DD001	○ F02623DD001	○ F02624DD001
● F02622DD006	● F02623DD006	● F02624DD006
● F02622DD012	● F02623DD012	● F02624DD012
● F02622DD018	● F02623DD018	● F02624DD018
● F02622DD030	● F02623DD030	● F02624DD030
● F02622DD033	● F02623DD033	● F02624DD033

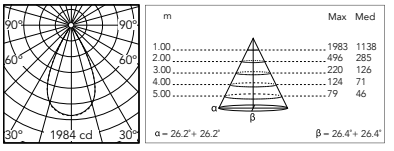


@ 3000K

Optic Wide Flood 52°

Power Led: 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622EA001	○ F02623EA001	○ F02624EA001
● F02622EA006	● F02623EA006	● F02624EA006
● F02622EA012	● F02623EA012	● F02624EA012
● F02622EA018	● F02623EA018	● F02624EA018
● F02622EA030	● F02623EA030	● F02624EA030
● F02622EA033	● F02623EA033	● F02624EA033
1-10V	1-10V	1-10V
○ F02622EB001	○ F02623EB001	○ F02624EB001
● F02622EB006	● F02623EB006	● F02624EB006
● F02622EB012	● F02623EB012	● F02624EB012
● F02622EB018	● F02623EB018	● F02624EB018
● F02622EB030	● F02623EB030	● F02624EB030
● F02622EB033	● F02623EB033	● F02624EB033
Dali	Dali	Dali
○ F02622ED001	○ F02623ED001	○ F02624ED001
● F02622ED006	● F02623ED006	● F02624ED006
● F02622ED012	● F02623ED012	● F02624ED012
● F02622ED018	● F02623ED018	● F02624ED018
● F02622ED030	● F02623ED030	● F02624ED030
● F02622ED033	● F02623ED033	● F02624ED033

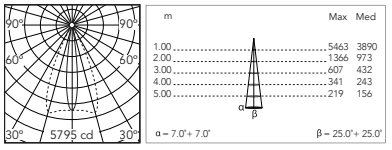


@ 3000K

Optic Elliptical 1 14° x 50°

Power Led: 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622FA001	○ F02623FA001	○ F02624FA001
● F02622FA006	● F02623FA006	● F02624FA006
● F02622FA012	● F02623FA012	● F02624FA012
● F02622FA018	● F02623FA018	● F02624FA018
● F02622FA030	● F02623FA030	● F02624FA030
● F02622FA033	● F02623FA033	● F02624FA033
1-10V	1-10V	1-10V
○ F02622FB001	○ F02623FB001	○ F02624FB001
● F02622FB006	● F02623FB006	● F02624FB006
● F02622FB012	● F02623FB012	● F02624FB012
● F02622FB018	● F02623FB018	● F02624FB018
● F02622FB030	● F02623FB030	● F02624FB030
● F02622FB033	● F02623FB033	● F02624FB033
Dali	Dali	Dali
○ F02622FD001	○ F02623FD001	○ F02624FD001
● F02622FD006	● F02623FD006	● F02624FD006
● F02622FD012	● F02623FD012	● F02624FD012
● F02622FD018	● F02623FD018	● F02624FD018
● F02622FD030	● F02623FD030	● F02624FD030
● F02622FD033	● F02623FD033	● F02624FD033

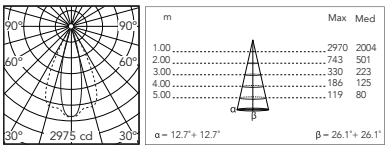


@ 3000K

Optic Elliptical 2 25° x 52°

Power Led: 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622GA001	○ F02623GA001	○ F02624GA001
● F02622GA006	● F02623GA006	● F02624GA006
● F02622GA012	● F02623GA012	● F02624GA012
● F02622GA018	● F02623GA018	● F02624GA018
● F02622GA030	● F02623GA030	● F02624GA030
● F02622GA033	● F02623GA033	● F02624GA033
1-10V	1-10V	1-10V
○ F02622GB001	○ F02623GB001	○ F02624GB001
● F02622GB006	● F02623GB006	● F02624GB006
● F02622GB012	● F02623GB012	● F02624GB012
● F02622GB018	● F02623GB018	● F02624GB018
● F02622GB030	● F02623GB030	● F02624GB030
● F02622GB033	● F02623GB033	● F02624GB033
Dali	Dali	Dali
○ F02622GD001	○ F02623GD001	○ F02624GD001
● F02622GD006	● F02623GD006	● F02624GD006
● F02622GD012	● F02623GD012	● F02624GD012
● F02622GD018	● F02623GD018	● F02624GD018
● F02622GD030	● F02623GD030	● F02624GD030
● F02622GD033	● F02623GD033	● F02624GD033

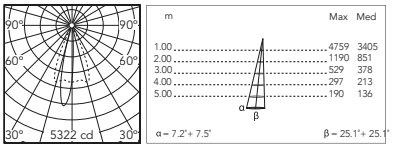


@ 3000K

Optic Wall Washer

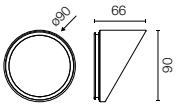
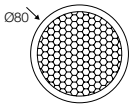
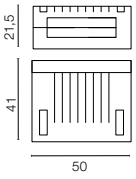
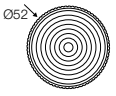
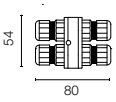
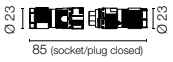
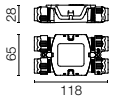
Power Led: 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F02622HA001	○ F02623HA001	○ F02624HA001
● F02622HA006	● F02623HA006	● F02624HA006
● F02622HA012	● F02623HA012	● F02624HA012
● F02622HA018	● F02623HA018	● F02624HA018
● F02622HA030	● F02623HA030	● F02624HA030
● F02622HA033	● F02623HA033	● F02624HA033
1-10V	1-10V	1-10V
○ F02622HB001	○ F02623HB001	○ F02624HB001
● F02622HB006	● F02623HB006	● F02624HB006
● F02622HB012	● F02623HB012	● F02624HB012
● F02622HB018	● F02623HB018	● F02624HB018
● F02622HB030	● F02623HB030	● F02624HB030
● F02622HB033	● F02623HB033	● F02624HB033
Dali	Dali	Dali
○ F02622HD001	○ F02623HD001	○ F02624HD001
● F02622HD006	● F02623HD006	● F02624HD006
● F02622HD012	● F02623HD012	● F02624HD012
● F02622HD018	● F02623HD018	● F02624HD018
● F02622HD030	● F02623HD030	● F02624HD030
● F02622HD033	● F02623HD033	● F02624HD033

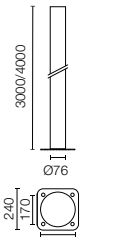
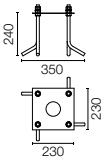
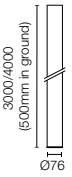
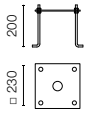


@ 3000K

Spine T 2 Ultra: Accessori / Accessories

Visor	Visor	○ F026Z050001 ● F026Z050006 ● F026Z050012 ● F026Z050018 ● F026Z050030 ● F026Z050033		
Honeycomb	Honeycomb Louvre	F026Z060000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Lenti converter / Converter lenses: - Converter Spine 2 Optic Medium Flood - Converter Spine 2 Optic Flood - Converter Spine 2 Optic Wide Flood - Converter Spine 2 Optic Elliptic 1 - Converter Spine 2 Optic Elliptic 2 - Converter Spine 2 Optic Wall Washer		 F029Z020000 F029Z021000 F029Z022000 F029Z023000 F029Z024000 F029Z025000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		

Spine T: Accessori / Accessories

Palo Ø76 mm in alluminio verniciato con base	Spine, Ø76 mm, painted aluminum pole with foot.	H: 3000 mm ● F026Z200006 ● F026Z200018 ● F026Z200033 H: 4000 mm ● F026Z210006 ● F026Z210018 ● F026Z210033		
Piastra tirafondi per versione Palo Ø76 mm in alluminio con base.	Base plate with bolt for alluminium Pole Ø76 mm with base version.	F990G300000		
Palo Ø76 mm in alluminio verniciato da interrare (+500 mm interrati).	Spine, Ø76 mm, painted aluminum pole for in ground installation (+500 mm into the ground)	H: 3000 mm ● F026Z220006 ● F026Z220018 ● F026Z220033 H: 4000 mm ● F026Z230006 ● F026Z230018 ● F026Z230033		
Palo Ø76 mm con Base e Portella con Morsettiera.	Pole Ø76 mm with Base and Access Door. With Terminal Block 4x1,5-16mmq.	H 3500 mm ● FA24806 ● FA24833 H 4500 mm ● FA24906 ● FA24933		
Palo Ø76 mm da Interrare (+500 mm Interrati) e Portella con Morsettiera	Pole Ø76 mm In-Ground (+500 mm Root) With Access Door. With Terminal Block 4x1,5-16mmq.	H 3500 mm ● FA25006 ● FA25033 H 4500 mm ● FA25106 ● FA25133		
Palo Ø102 mm con Base e Portella con Morsettiera.	Pole Ø102 mm with Base and Access Door With Terminal Block 4x1,5-16mmq.	H 4000 mm ● FA414006 ● FA414033 H 5000 mm ● FA415006 ● FA415033		
Palo Ø102 mm da Interrare (+500 mm Interrati) e Portella con Morsettiera	Pole Ø102 mm In-Ground (+500 mm Root) With Access Door With Terminal Block 4x1,5-16mmq	H 4000 mm ● FA414506 ● FA414533 H 5000 mm ● FA415506 ● FA415533		
Piastra tirafondi per palo Ø76 mm o Ø102 mm con base.	Bolt plate for Pole Ø76 mm or Ø102 mm with base.	FA116		

Pointbreak

Designed by Piero Lissoni





Pointbreak Ballisage 2





Pointbreak Wall 1



Pointbreak Ceiling 2

Famiglia / Family

Pointbreak Bollard 1



Power Led
5,6W
274 lm - 2700K/CRI 80
285 lm - 3000K/CRI 80
307 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Balisage 1



Power Led
5,6W
274 lm - 2700K/CRI 80
285 lm - 3000K/CRI 80
307 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Bollard 2



Power Led
12,5W
600 lm - 2700K/CRI 80
624 lm - 3000K/CRI 80
672 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Balisage 2



Power Led
12,5W
600 lm - 2700K/CRI 80
624 lm - 3000K/CRI 80
672 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Pointbreak Wall 0



Power Led
2,1W
up to 101 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

Power Led
3,1W
up to 2x101 lm - 2700K/CRI 80
up to 2x104 lm - 3000K/CRI 80
up to 2x108 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Wall 1



Power Led
5,5W
319 lm - 2700K/CRI 80
335 lm - 3000K/CRI 80
367 lm - 4000K/CRI 80

Power Led
12W
2x319 lm - 2700K/CRI 80
2x335 lm - 3000K/CRI 80
2x367 lm - 4000K/CRI 80

Pointbreak Wall 2



Power Led
17W
1108 lm - 2700K/CRI 80
1149 lm - 3000K/CRI 80
1190 lm - 4000K/CRI 80
2200K available on request.

Power Led
32W
2x1108 lm - 2700K/CRI 80
2x1149 lm - 3000K/CRI 80
2x1190 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Ceiling 0



Power Led
2,1W
up to 101 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Ceiling 1



Power Led
5,5W
319 lm - 2700K/CRI 80
335 lm - 3000K/CRI 80
367 lm - 4000K/CRI 80

Pointbreak Ceiling 2



Power Led
17W
1108 lm - 2700K/CRI 80
1149 lm - 3000K/CRI 80
1190 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Bollard
Collezione di bollard per esterno dal ricco contenuto di design con sorgente luminosa a LED, caratterizzati dall'ottica ad altissima performance.
L'esclusiva forma supercerchio è declinata in tre dimensioni e tre altezze. Struttura corpo in alluminio estruso, testa dell'apparecchio in fusione di alluminio, diffusore in policarbonato trasparente trattato superficialmente con antigraffio e stabilizzato ai raggi UV. L'ottica integrata nella testa permette una emissione luminosa asimmetrica radiale direzionata verso il basso e combinata con il riflettore in alluminio verniciato in nero assoluto evitano le riflessioni indirette per rispettare le vigenti leggi in materia di inquinamento luminoso.
Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.
Le versioni bollard possono essere installate facilmente a terra su qualsiasi pavimento con tasselli tramite base in tecnopolimero ad altissima resistenza ed esente da fenomeno di corrosione ed elemento di fissaggio che ne permette la regolazione fine, oppure utilizzando l'accessorio dedicato piastra di ancoraggio per rendere la base del prodotto totalmente solidale con la pavimentazione. Le viterie di fissaggio del paletto sono in acciaio inox AISI 316L brunite per le finiture scure.

Pointbreak Balisage
Collezione di apparecchi semincasso balisage per esterno dal ricco contenuto di design con sorgente luminosa a LED, caratterizzati dall'ottica ad altissima performance.
L'esclusiva forma del supercerchio è declinata in due dimensioni e due altezze. Struttura corpo in alluminio estruso, testa dell'apparecchio in fusione di alluminio, diffusore in policarbonato trasparente trattato superficialmente con antigraffio e stabilizzato ai raggi UV. L'ottica integrata nella testa permette una emissione luminosa asimmetrica radiale direzionata verso il basso e combinata con il riflettore in alluminio verniciato in nero assoluto evitano le riflessioni indirette per rispettare le vigenti leggi in materia di inquinamento luminoso.
Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.
Trattamento brevettato ACT (anti corrosion treatment) per la parte incassata nel terreno.
Le versioni balisage possono essere installate facilmente nel terreno mediante l'utilizzo di apposita cassaforma obbligatoria, da ordinare separatamente.

Pointbreak Wall
Collezione di apparecchi a parete per esterno dal ricco contenuto di design con sorgente luminosa a LED, caratterizzati dall'ottica ad altissima performance.
L'esclusiva forma del supercerchio è declinata in tre dimensioni, ad emissione monodirezionale o bidirezionale. Struttura in fusione di alluminio con vetro trasparente di chiusura. L'ottica integrata, arretrata nella parte inferiore, utilizza lenti brevettate ed è protetta da una schermatura in nero assoluto, per ottimizzare il confort visivo e contemporaneamente mantenere una elevata performance.
Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.
L'installazione viene effettuata tramite staffa in PBT (Polibutilene tereftalato) ad altissima resistenza ed esente da fenomeno di corrosione. Doppio pressacavo installato direttamente sul corpo dell'apparecchio per consentire il cablaggio entra-esci.

Pointbreak Ceiling
Collezione di apparecchi a soffitto per esterno dal ricco contenuto di design con sorgente luminosa a LED, caratterizzati dall'ottica ad altissima performance.
L'esclusiva forma del supercerchio è declinata in tre dimensioni. Struttura in fusione di alluminio, con vetro trasparente di chiusura. L'ottica integrata, arretrata nella parte inferiore, utilizza lenti brevettate ed è protetta da una schermatura in nero assoluto, per ottimizzare il confort visivo e contemporaneamente mantenere una elevata performance.
Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.
L'installazione viene effettuata tramite elemento di fissaggio che ne permette la regolazione fine. Doppio pressacavo installato direttamente sul corpo dell'apparecchio per consentire il cablaggio entra-esci.

Pointbreak Bollard
Collection of outdoor bollards with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in three sizes and three heights. The body structure comes in extruded aluminum, the head of the luminaire in cast aluminum, and the diffuser is made of transparent, UV-stabilized polycarbonate with scratch-resistant surface treatment. The optics integrated in the head allows an asymmetric, downward radial light emission that, combined with an aluminum reflector painted in absolute black, avoids indirect reflections in compliance with current light pollution laws.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Bollard versions may be easily installed on any flooring on the ground with anchors by using the high-resistance, corrosion-free technopolymer base and a fixing element, allowing a fine adjustment; or by using the specific accessory anchoring plate for a flawless integration of the base of the product with the ground. The anchoring hardware is made of AISI 316L burnished for dark finishes.

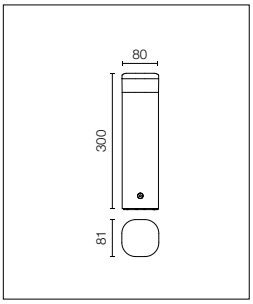
Pointbreak Balisage
Collection of partially-recessed outdoor luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in two sizes and two heights. The body structure comes in extruded aluminum, the head of the luminaire in cast aluminum, and the diffuser is made of transparent, UV-stabilized polycarbonate with scratch-resistant surface treatment. The optics integrated in the head allows an asymmetric, downward radial light emission that, combined with an aluminum reflector painted in absolute black, avoids indirect reflections in compliance with current light pollution laws.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Patented anticorrosive treatment (ACT) for the part fitted into the ground.
Balisage versions are easily installed on the ground with a mandatory special box for installation, to be ordered separately.

Pointbreak Wall
Collection of outdoor wall luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in three sizes, with uni- or bi-directional emission. Cast aluminum structure with transparent closing glass. The integrated optics, located at the bottom, uses patented lenses and is protected by an absolute black screening to optimize visual comfort while maintaining high performance.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
The installation is made using a highly resistant and corrosion-free PBT (polybutylenterephtalate) bracket. Double cable gland installed directly in the body of the luminaire for inlet and outlet connection.

Pointbreak Ceiling
Collection of outdoor ceiling luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in three sizes. Cast aluminum structure with transparent closing glass. The integrated optics, located at the bottom, uses patented lenses and is protected by an absolute black screening to optimize visual comfort while maintaining high performance.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Installation is made with a fixing component that allows a fine adjustment. Double cable gland installed directly in the body of the luminaire for inlet and outlet connection.

Pointbreak Bollard 1 - 300





IP 65 · 1,5 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023E2AA001
- F023E2AA006
- F023E2AA012
- F023E2AA018
- F023E2AA030
- F023E2AA033

1-10V
- ○ F023E2AB001
- F023E2AB006
- F023E2AB012
- F023E2AB018
- F023E2AB030
- F023E2AB033

Dali
- ○ F023E2AD001
- F023E2AD006
- F023E2AD012
- F023E2AD018
- F023E2AD030
- F023E2AD033

3000K

Non Dimmable
- ○ F023E3AA001
- F023E3AA006
- F023E3AA012
- F023E3AA018
- F023E3AA030
- F023E3AA033

1-10V
- ○ F023E3AB001
- F023E3AB006
- F023E3AB012
- F023E3AB018
- F023E3AB030
- F023E3AB033

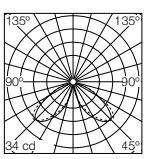
Dali
- ○ F023E3AD001
- F023E3AD006
- F023E3AD012
- F023E3AD018
- F023E3AD030
- F023E3AD033

4000K

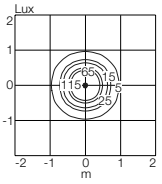
Non Dimmable
- ○ F023E4AA001
- F023E4AA006
- F023E4AA012
- F023E4AA018
- F023E4AA030
- F023E4AA033

1-10V
- ○ F023E4AB001
- F023E4AB006
- F023E4AB012
- F023E4AB018
- F023E4AB030
- F023E4AB033

Dali
- ○ F023E4AD001
- F023E4AD006
- F023E4AD012
- F023E4AD018
- F023E4AD030
- F023E4AD033

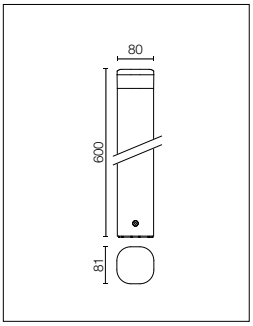


@3000K



Pointbreak Bollard 1 - 600





IP 65 · 2 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023E2BA001
- F023E2BA006
- F023E2BA012
- F023E2BA018
- F023E2BA030
- F023E2BA033

1-10V
- ○ F023E2BB001
- F023E2BB006
- F023E2BB012
- F023E2BB018
- F023E2BB030
- F023E2BB033

Dali
- ○ F023E2BD001
- F023E2BD006
- F023E2BD012
- F023E2BD018
- F023E2BD030
- F023E2BD033

3000K

Non Dimmable
- ○ F023E3BA001
- F023E3BA006
- F023E3BA012
- F023E3BA018
- F023E3BA030
- F023E3BA033

1-10V
- ○ F023E3BB001
- F023E3BB006
- F023E3BB012
- F023E3BB018
- F023E3BB030
- F023E3BB033

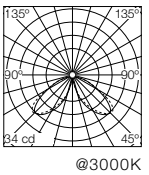
Dali
- ○ F023E3BD001
- F023E3BD006
- F023E3BD012
- F023E3BD018
- F023E3BD030
- F023E3BD033

4000K

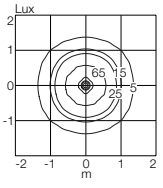
Non Dimmable
- ○ F023E4BA001
- F023E4BA006
- F023E4BA012
- F023E4BA018
- F023E4BA030
- F023E4BA033

1-10V
- ○ F023E4BB001
- F023E4BB006
- F023E4BB012
- F023E4BB018
- F023E4BB030
- F023E4BB033

Dali
- ○ F023E4BD001
- F023E4BD006
- F023E4BD012
- F023E4BD018
- F023E4BD030
- F023E4BD033

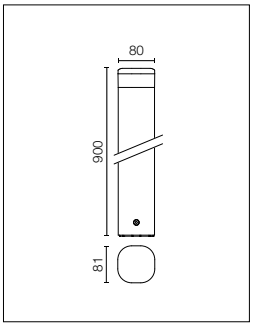


@3000K



Pointbreak Bollard 1 - 900





IP 65 · 2,5 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F023E2CA001
- F023E2CA006
- F023E2CA012
- F023E2CA018
- F023E2CA030
- F023E2CA033

1-10V
- F023E2CB001
- F023E2CB006
- F023E2CB012
- F023E2CB018
- F023E2CB030
- F023E2CB033

Dali
- F023E2CD001
- F023E2CD006
- F023E2CD012
- F023E2CD018
- F023E2CD030
- F023E2CD033

3000K

Non Dimmable
- F023E3CA001
- F023E3CA006
- F023E3CA012
- F023E3CA018
- F023E3CA030
- F023E3CA033

1-10V
- F023E3CB001
- F023E3CB006
- F023E3CB012
- F023E3CB018
- F023E3CB030
- F023E3CB033

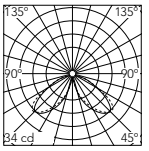
Dali
- F023E3CD001
- F023E3CD006
- F023E3CD012
- F023E3CD018
- F023E3CD030
- F023E3CD033

4000K

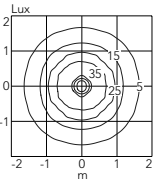
Non Dimmable
- F023E4CA001
- F023E4CA006
- F023E4CA012
- F023E4CA018
- F023E4CA030
- F023E4CA033

1-10V
- F023E4CB001
- F023E4CB006
- F023E4CB012
- F023E4CB018
- F023E4CB030
- F023E4CB033

Dali
- F023E4CD001
- F023E4CD006
- F023E4CD012
- F023E4CD018
- F023E4CD030
- F023E4CD033



@3000K



Pointbreak Mono Emission 180°

Pointbreak Bollard è anche disponibile in versione mono emissione (180°) grazie ad uno speciale otturatore sagomato integrato nel gruppo ottico stagno.

Su richiesta l'emissione puó essere modificata per ottenere un'apertura di 90° o 270°.

Pointbreak Bollard is also available as a single-emission version (180°) thanks to a special shaped shutter integrated in the watertight optical unit.

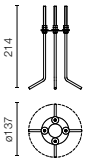
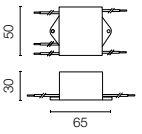
On request, the beam can be modified to 90° or 270°.



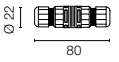


* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Pointbreak: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	Pointbreak Bollard 1 F023Z050000		
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	Pointbreak Bollard F990E00A000		

Pointbreak: Accessori per versioni non dimmable / Accessories for non-dimmable versions

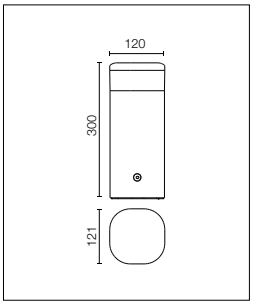
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Pointbreak: Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		

Pointbreak Bollard 2 - 300





IP 65 · 2,7 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F023F2AA001
- F023F2AA006
- F023F2AA012
- F023F2AA018
- F023F2AA030
- F023F2AA033

1-10V
- F023F2AB001
- F023F2AB006
- F023F2AB012
- F023F2AB018
- F023F2AB030
- F023F2AB033

Dali
- F023F2AD001
- F023F2AD006
- F023F2AD012
- F023F2AD018
- F023F2AD030
- F023F2AD033

3000K

Non Dimmable
- F023F3AA001
- F023F3AA006
- F023F3AA012
- F023F3AA018
- F023F3AA030
- F023F3AA033

1-10V
- F023F3AB001
- F023F3AB006
- F023F3AB012
- F023F3AB018
- F023F3AB030
- F023F3AB033

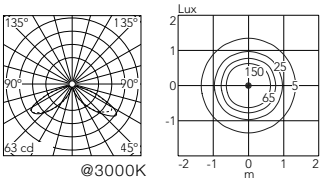
Dali
- F023F3AD001
- F023F3AD006
- F023F3AD012
- F023F3AD018
- F023F3AD030
- F023F3AD033

4000K

Non Dimmable
- F023F4AA001
- F023F4AA006
- F023F4AA012
- F023F4AA018
- F023F4AA030
- F023F4AA033

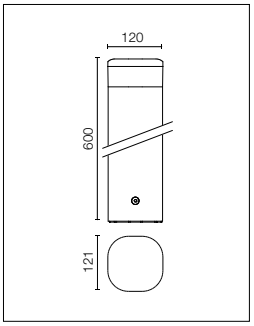
1-10V
- F023F4AB001
- F023F4AB006
- F023F4AB012
- F023F4AB018
- F023F4AB030
- F023F4AB033

Dali
- F023F4AD001
- F023F4AD006
- F023F4AD012
- F023F4AD018
- F023F4AD030
- F023F4AD033



Pointbreak Bollard 2 - 600





IP 65 · 3,4 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F023F2BA001
- F023F2BA006
- F023F2BA012
- F023F2BA018
- F023F2BA030
- F023F2BA033

1-10V
- F023F2BB001
- F023F2BB006
- F023F2BB012
- F023F2BB018
- F023F2BB030
- F023F2BB033

Dali
- F023F2BD001
- F023F2BD006
- F023F2BD012
- F023F2BD018
- F023F2BD030
- F023F2BD033

3000K

Non Dimmable
- F023F3BA001
- F023F3BA006
- F023F3BA012
- F023F3BA018
- F023F3BA030
- F023F3BA033

1-10V
- F023F3BB001
- F023F3BB006
- F023F3BB012
- F023F3BB018
- F023F3BB030
- F023F3BB033

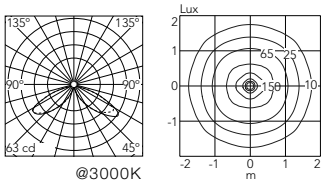
Dali
- F023F3BD001
- F023F3BD006
- F023F3BD012
- F023F3BD018
- F023F3BD030
- F023F3BD033

4000K

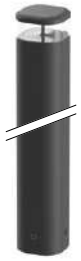
Non Dimmable
- F023F4BA001
- F023F4BA006
- F023F4BA012
- F023F4BA018
- F023F4BA030
- F023F4BA033

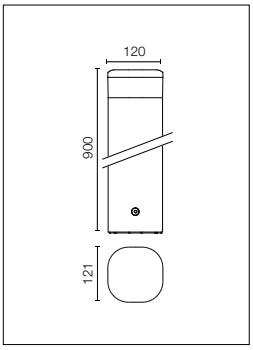
1-10V
- F023F4BB001
- F023F4BB006
- F023F4BB012
- F023F4BB018
- F023F4BB030
- F023F4BB033

Dali
- F023F4BD001
- F023F4BD006
- F023F4BD012
- F023F4BD018
- F023F4BD030
- F023F4BD033



Pointbreak Bollard 2 - 900





IP 65 · 4 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Mid - Power Led: 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- F023F2CA001
- F023F2CA006
- F023F2CA012
- F023F2CA018
- F023F2CA030
- F023F2CA033

1-10V
- F023F2CB001
- F023F2CB006
- F023F2CB012
- F023F2CB018
- F023F2CB030
- F023F2CB033

Dali
- F023F2CD001
- F023F2CD006
- F023F2CD012
- F023F2CD018
- F023F2CD030
- F023F2CD033

3000K
Non Dimmable
- F023F3CA001
- F023F3CA006
- F023F3CA012
- F023F3CA018
- F023F3CA030
- F023F3CA033

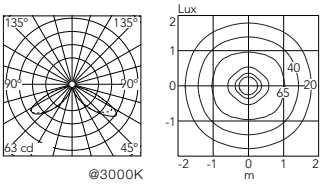
1-10V
- F023F3CB001
- F023F3CB006
- F023F3CB012
- F023F3CB018
- F023F3CB030
- F023F3CB033

Dali
- F023F3CD001
- F023F3CD006
- F023F3CD012
- F023F3CD018
- F023F3CD030
- F023F3CD033

4000K
Non Dimmable
- F023F4CA001
- F023F4CA006
- F023F4CA012
- F023F4CA018
- F023F4CA030
- F023F4CA033

1-10V
- F023F4CB001
- F023F4CB006
- F023F4CB012
- F023F4CB018
- F023F4CB030
- F023F4CB033

Dali
- F023F4CD001
- F023F4CD006
- F023F4CD012
- F023F4CD018
- F023F4CD030
- F023F4CD033



Pointbreak Mono Emission 180°

Pointbreak Bollard è anche disponibile in versione mono emissione (180°) grazie ad uno speciale otturatore sagomato integrato nel gruppo ottico stagno.

Su richiesta l'emissione puó essere modificata per ottenere un'apertura di 90° o 270°.

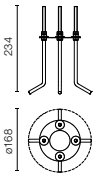
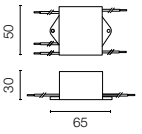
Pointbreak Bollard is also available as a single-emission version (180°) thanks to a special shaped shutter integrated in the watertight optical unit.

On request, the beam can be modified to 90° or 270°.

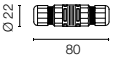




Pointbreak: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	Pointbreak Bollard 2 F023Z060000		
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	Pointbreak Bollard F990E00A000		

Pointbreak: Accessori per versioni non dimmable / Accessories for non-dimmable versions

Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

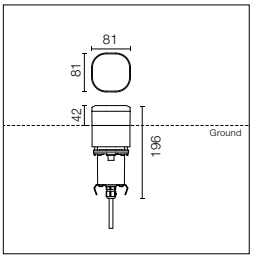
Pointbreak: Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		

* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Pointbreak Balisage 1 - 40





IP 65 · 1 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile con cassaforma obbligatoria da ordinare separatamente.

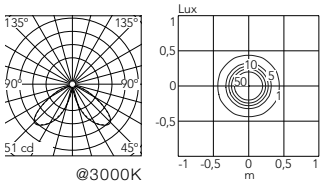
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Mid - Power Led: 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F023B2AA001	○ F023B3AA001	○ F023B4AA001
● F023B2AA006	● F023B3AA006	● F023B4AA006
● F023B2AA012	● F023B3AA012	● F023B4AA012
● F023B2AA018	● F023B3AA018	● F023B4AA018
● F023B2AA030	● F023B3AA030	● F023B4AA030
● F023B2AA033	● F023B3AA033	● F023B4AA033
1-10V	1-10V	1-10V
○ F023B2AB001	○ F023B3AB001	○ F023B4AB001
● F023B2AB006	● F023B3AB006	● F023B4AB006
● F023B2AB012	● F023B3AB012	● F023B4AB012
● F023B2AB018	● F023B3AB018	● F023B4AB018
● F023B2AB030	● F023B3AB030	● F023B4AB030
● F023B2AB033	● F023B3AB033	● F023B4AB033
Dali	Dali	Dali
○ F023B2AD001	○ F023B3AD001	○ F023B4AD001
● F023B2AD006	● F023B3AD006	● F023B4AD006
● F023B2AD012	● F023B3AD012	● F023B4AD012
● F023B2AD018	● F023B3AD018	● F023B4AD018
● F023B2AD030	● F023B3AD030	● F023B4AD030
● F023B2AD033	● F023B3AD033	● F023B4AD033



@3000K

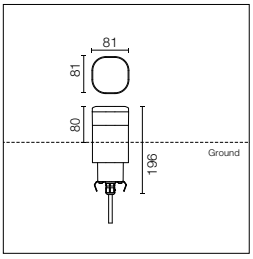
Cassaforma per l'installazione a terra / Box for ground installation.

F023Z020000



Pointbreak Balisage 1 - 80





IP 65 · 1,1 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile con cassaforma obbligatoria da ordinare separatamente.

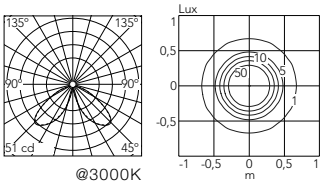
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Mid - Power Led: 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F023B2BA001	○ F023B3BA001	○ F023B4BA001
● F023B2BA006	● F023B3BA006	● F023B4BA006
● F023B2BA012	● F023B3BA012	● F023B4BA012
● F023B2BA018	● F023B3BA018	● F023B4BA018
● F023B2BA030	● F023B3BA030	● F023B4BA030
● F023B2BA033	● F023B3BA033	● F023B4BA033
1-10V	1-10V	1-10V
○ F023B2BB001	○ F023B3BB001	○ F023B4BB001
● F023B2BB006	● F023B3BB006	● F023B4BB006
● F023B2BB012	● F023B3BB012	● F023B4BB012
● F023B2BB018	● F023B3BB018	● F023B4BB018
● F023B2BB030	● F023B3BB030	● F023B4BB030
● F023B2BB033	● F023B3BB033	● F023B4BB033
Dali	Dali	Dali
○ F023B2BD001	○ F023B3BD001	○ F023B4BD001
● F023B2BD006	● F023B3BD006	● F023B4BD006
● F023B2BD012	● F023B3BD012	● F023B4BD012
● F023B2BD018	● F023B3BD018	● F023B4BD018
● F023B2BD030	● F023B3BD030	● F023B4BD030
● F023B2BD033	● F023B3BD033	● F023B4BD033



@3000K

Cassaforma per l'installazione a terra / Box for ground installation.

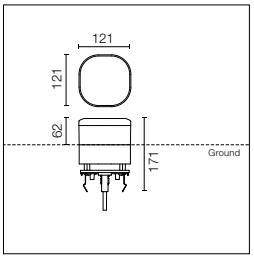
F023Z020000



* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Pointbreak Balisage 2 - 60





IP 65 · 1,6 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile con cassaforma obbligatoria da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Mid - Power Led: 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F023C2CA001
- F023C2CA006
- F023C2CA012
- F023C2CA018
- F023C2CA030
- F023C2CA033

1-10V
- F023C2CB001
- F023C2CB006
- F023C2CB012
- F023C2CB018
- F023C2CB030
- F023C2CB033

Dali
- F023C2CD001
- F023C2CD006
- F023C2CD012
- F023C2CD018
- F023C2CD030
- F023C2CD033

3000K

Non Dimmable
- F023C3CA001
- F023C3CA006
- F023C3CA012
- F023C3CA018
- F023C3CA030
- F023C3CA033

1-10V
- F023C3CB001
- F023C3CB006
- F023C3CB012
- F023C3CB018
- F023C3CB030
- F023C3CB033

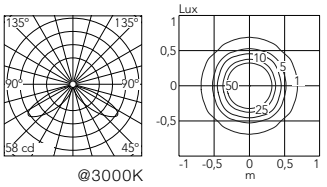
Dali
- F023C3CD001
- F023C3CD006
- F023C3CD012
- F023C3CD018
- F023C3CD030
- F023C3CD033

4000K

Non Dimmable
- F023C4CA001
- F023C4CA006
- F023C4CA012
- F023C4CA018
- F023C4CA030
- F023C4CA033

1-10V
- F023C4CB001
- F023C4CB006
- F023C4CB012
- F023C4CB018
- F023C4CB030
- F023C4CB033

Dali
- F023C4CD001
- F023C4CD006
- F023C4CD012
- F023C4CD018
- F023C4CD030
- F023C4CD033



@3000K

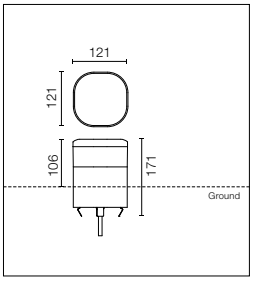
Cassaforma per l'installazione a terra / Box for ground installation.

F023Z030000



Pointbreak Balisage 2 - 105





IP 65 · 1,7 Kg · IK 09 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene. Sistema di giunzione IP68 da ordinare separatamente. L'apparecchio è installabile con cassaforma obbligatoria da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Mid - Power Led: 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F023C2DA001
- F023C2DA006
- F023C2DA012
- F023C2DA018
- F023C2DA030
- F023C2DA033

1-10V
- F023C2DB001
- F023C2DB006
- F023C2DB012
- F023C2DB018
- F023C2DB030
- F023C2DB033

Dali
- F023C2DD001
- F023C2DD006
- F023C2DD012
- F023C2DD018
- F023C2DD030
- F023C2DD033

3000K

Non Dimmable
- F023C3DA001
- F023C3DA006
- F023C3DA012
- F023C3DA018
- F023C3DA030
- F023C3DA033

1-10V
- F023C3DB001
- F023C3DB006
- F023C3DB012
- F023C3DB018
- F023C3DB030
- F023C3DB033

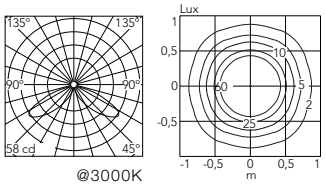
Dali
- F023C3DD001
- F023C3DD006
- F023C3DD012
- F023C3DD018
- F023C3DD030
- F023C3DD033

4000K

Non Dimmable
- F023C4DA001
- F023C4DA006
- F023C4DA012
- F023C4DA018
- F023C4DA030
- F023C4DA033

1-10V
- F023C4DB001
- F023C4DB006
- F023C4DB012
- F023C4DB018
- F023C4DB030
- F023C4DB033

Dali
- F023C4DD001
- F023C4DD006
- F023C4DD012
- F023C4DD018
- F023C4DD030
- F023C4DD033



@3000K

Cassaforma per l'installazione a terra / Box for ground installation.

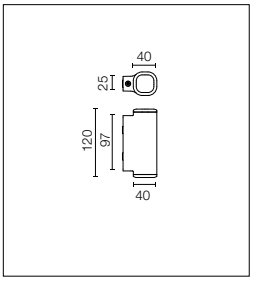
F023Z040000



* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Pointbreak Wall 0 Up





IP 65 · IK 06 · 0,8 Kg · LED INCL · ON/OFF

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di passacavo IP65 in gomma e morsetti a 2 poli a connessione rapida.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

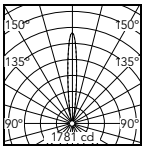
Optic Spot

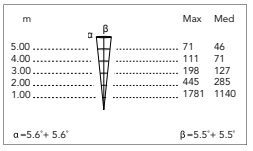
Power Led: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G2EA001
- F023G2EA006
- F023G2EA012
- F023G2EA018
- F023G2EA030
- F023G2EA033

3000K
Non Dimmable
- F023G3EA001
- F023G3EA006
- F023G3EA012
- F023G3EA018
- F023G3EA030
- F023G3EA033

4000K
Non Dimmable
- F023G4EA001
- F023G4EA006
- F023G4EA012
- F023G4EA018
- F023G4EA030
- F023G4EA033





@3000K

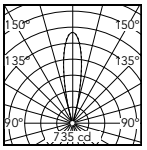
Optic Medium

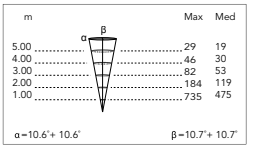
Power Led: 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G2FA001
- F023G2FA006
- F023G2FA012
- F023G2FA018
- F023G2FA030
- F023G2FA033

3000K
Non Dimmable
- F023G3FA001
- F023G3FA006
- F023G3FA012
- F023G3FA018
- F023G3FA030
- F023G3FA033

4000K
Non Dimmable
- F023G4FA001
- F023G4FA006
- F023G4FA012
- F023G4FA018
- F023G4FA030
- F023G4FA033





@3000K

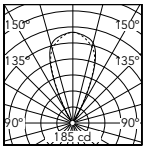
Optic Flood

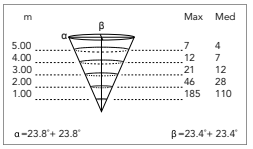
Power Led: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G2GA001
- F023G2GA006
- F023G2GA012
- F023G2GA018
- F023G2GA030
- F023G2GA033

3000K
Non Dimmable
- F023G3GA001
- F023G3GA006
- F023G3GA012
- F023G3GA018
- F023G3GA030
- F023G3GA033

4000K
Non Dimmable
- F023G4GA001
- F023G4GA006
- F023G4GA012
- F023G4GA018
- F023G4GA030
- F023G4GA033

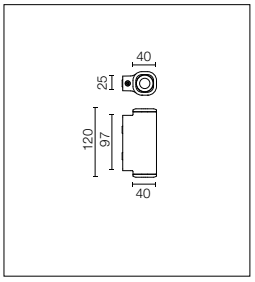




@3000K

Pointbreak Wall 0 Down





IP 65 · 0,8 Kg · IK 06 · LED INCL · ON/OFF

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di passacavo IP65 in gomma e morsetti a 2 poli a connessione rapida.

2200K disponibile su richiesta.

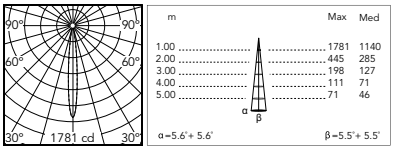
LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

Optic Spot

Power Led: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023G2JA001	○ F023G3JA001	○ F023G4JA001
● F023G2JA006	● F023G3JA006	● F023G4JA006
● F023G2JA012	● F023G3JA012	● F023G4JA012
● F023G2JA018	● F023G3JA018	● F023G4JA018
● F023G2JA030	● F023G3JA030	● F023G4JA030
● F023G2JA033	● F023G3JA033	● F023G4JA033

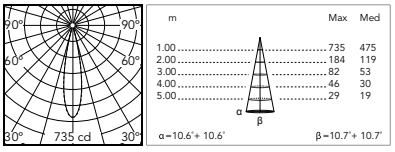


@3000K

Optic Medium

Power Led: 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023G2KA001	○ F023G3KA001	○ F023G4KA001
● F023G2KA006	● F023G3KA006	● F023G4KA006
● F023G2KA012	● F023G3KA012	● F023G4KA012
● F023G2KA018	● F023G3KA018	● F023G4KA018
● F023G2KA030	● F023G3KA030	● F023G4KA030
● F023G2KA033	● F023G3KA033	● F023G4KA033

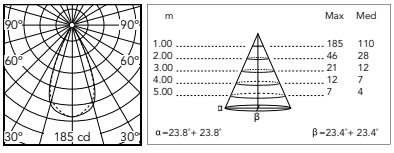


@3000K

Optic Flood

Power Led: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

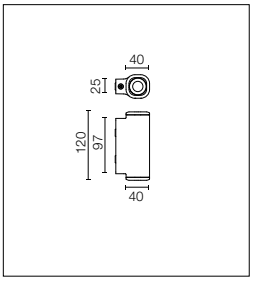
2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023G2LA001	○ F023G3LA001	○ F023G4LA001
● F023G2LA006	● F023G3LA006	● F023G4LA006
● F023G2LA012	● F023G3LA012	● F023G4LA012
● F023G2LA018	● F023G3LA018	● F023G4LA018
● F023G2LA030	● F023G3LA030	● F023G4LA030
● F023G2LA033	● F023G3LA033	● F023G4LA033

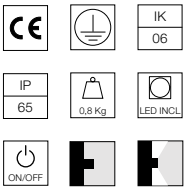


@3000K

Pointbreak Wall 0 Up&Down







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di passacavo IP65 in gomma e morsetti a 2 poli a connessione rapida.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

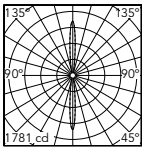
Optic Spot

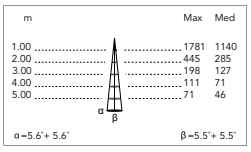
Power Led: 3,1W - 2x139 lm ≠ *FIXT 2x101 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x104 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G25A001
- F023G25A006
- F023G25A012
- F023G25A018
- F023G25A030
- F023G25A033

3000K
Non Dimmable
- F023G35A001
- F023G35A006
- F023G35A012
- F023G35A018
- F023G35A030
- F023G35A033

4000K
Non Dimmable
- F023G45A001
- F023G45A006
- F023G45A012
- F023G45A018
- F023G45A030
- F023G45A033





@3000K

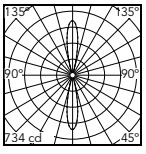
Optic Medium

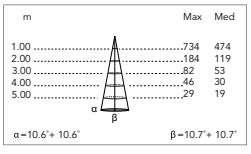
Power Led: 3,1W - 2x139 lm ≠ *FIXT 2x102 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x106 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G26A001
- F023G26A006
- F023G26A012
- F023G26A018
- F023G26A030
- F023G26A033

3000K
Non Dimmable
- F023G36A001
- F023G36A006
- F023G36A012
- F023G36A018
- F023G36A030
- F023G36A033

4000K
Non Dimmable
- F023G46A001
- F023G46A006
- F023G46A012
- F023G46A018
- F023G46A030
- F023G46A033





@3000K

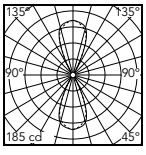
Optic Flood

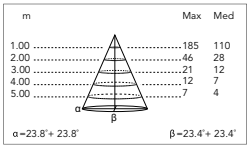
Power Led: 3,1W - 2x139 lm ≠ *FIXT 2x101 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x104 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- F023G27A001
- F023G27A006
- F023G27A012
- F023G27A018
- F023G27A030
- F023G27A033

3000K
Non Dimmable
- F023G37A001
- F023G37A006
- F023G37A012
- F023G37A018
- F023G37A030
- F023G37A033

4000K
Non Dimmable
- F023G47A001
- F023G47A006
- F023G47A012
- F023G47A018
- F023G47A030
- F023G47A033

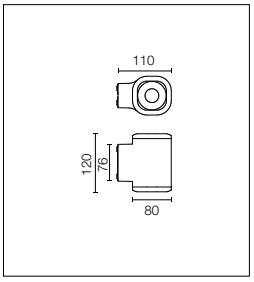


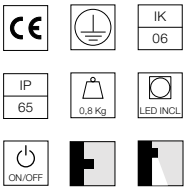


@3000K

* Dati tecnici preliminari. / Preliminary technical specs.







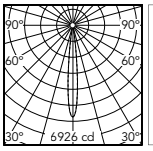
Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.
A richiesta versione monoemissione verso l'alto/Up.

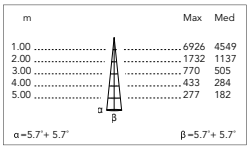
LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for inlet and outlet connection.
Upwards, single emission version, available upon request.

Optic Spot

Power Led: 5,5W - 543 lm ≠ FIXT 319 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 335 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 367 lm - 4000/CRI>80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023H21A001	○ F023H31A001	○ F023H41A001
● F023H21A006	● F023H31A006	● F023H41A006
● F023H21A012	● F023H31A012	● F023H41A012
● F023H21A018	● F023H31A018	● F023H41A018
● F023H21A030	● F023H31A030	● F023H41A030
● F023H21A033	● F023H31A033	● F023H41A033



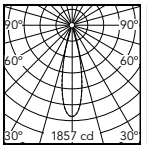


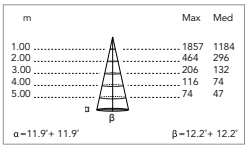
@3000K

Optic Medium

Power LED: 5,5W - 543 lm ≠ FIXT 350 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 367 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 402 lm - 4000/CRI>80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023H22A001	○ F023H32A001	○ F023H42A001
● F023H22A006	● F023H32A006	● F023H42A006
● F023H22A012	● F023H32A012	● F023H42A012
● F023H22A018	● F023H32A018	● F023H42A018
● F023H22A030	● F023H32A030	● F023H42A030
● F023H22A033	● F023H32A033	● F023H42A033



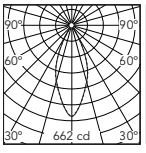


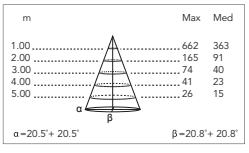
@3000K

Optic Flood

Power LED: 5,5W - 543 lm ≠ FIXT 311 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 325 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 356 lm - 4000/CRI>80 - 220-240V

2700K Non Dimmable	3000K Non Dimmable	4000K Non Dimmable
○ F023H23A001	○ F023H33A001	○ F023H43A001
● F023H23A006	● F023H33A006	● F023H43A006
● F023H23A012	● F023H33A012	● F023H43A012
● F023H23A018	● F023H33A018	● F023H43A018
● F023H23A030	● F023H33A030	● F023H43A030
● F023H23A033	● F023H33A033	● F023H43A033



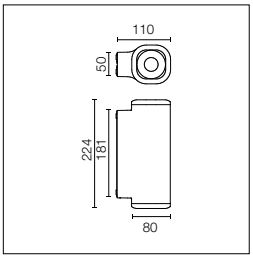


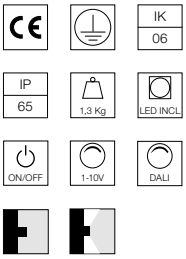
@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Pointbreak Wall 1 Up&Down







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.
A richiesta versione monoemissione verso l'alto o monoemissione verso il basso.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection.
Upon request: Single upwards emission or single downwards emission.

Optic Spot

Power Led: 12W - 2x543 lm ≠ FIXT 2x319 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x335 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x367 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- ○ F023H25A001
- ● F023H25A006
- ● F023H25A012
- ● F023H25A018
- ● F023H25A030
- ● F023H25A033

1-10V
- ○ F023H25B001
- ● F023H25B006
- ● F023H25B012
- ● F023H25B018
- ● F023H25B030
- ● F023H25B033

Dali
- ○ F023H25D001
- ● F023H25D006
- ● F023H25D012
- ● F023H25D018
- ● F023H25D030
- ● F023H25D033

3000K
Non Dimmable
- ○ F023H35A001
- ● F023H35A006
- ● F023H35A012
- ● F023H35A018
- ● F023H35A030
- ● F023H35A033

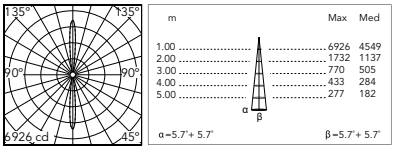
1-10V
- ○ F023H35B001
- ● F023H35B006
- ● F023H35B012
- ● F023H35B018
- ● F023H35B030
- ● F023H35B033

Dali
- ○ F023H35D001
- ● F023H35D006
- ● F023H35D012
- ● F023H35D018
- ● F023H35D030
- ● F023H35D033

4000K
Non Dimmable
- ○ F023H45A001
- ● F023H45A006
- ● F023H45A012
- ● F023H45A018
- ● F023H45A030
- ● F023H45A033

1-10V
- ○ F023H45B001
- ● F023H45B006
- ● F023H45B012
- ● F023H45B018
- ● F023H45B030
- ● F023H45B033

Dali
- ○ F023H45D001
- ● F023H45D006
- ● F023H45D012
- ● F023H45D018
- ● F023H45D030
- ● F023H45D033



@3000K

Optic Medium

Power Led: 12W - 2x543 lm ≠ FIXT 2x319 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x367 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x402 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- ○ F023H26A001
- ● F023H26A006
- ● F023H26A012
- ● F023H26A018
- ● F023H26A030
- ● F023H26A033

1-10V
- ○ F023H26B001
- ● F023H26B006
- ● F023H26B012
- ● F023H26B018
- ● F023H26B030
- ● F023H26B033

Dali
- ○ F023H26D001
- ● F023H26D006
- ● F023H26D012
- ● F023H26D018
- ● F023H26D030
- ● F023H26D033

3000K
Non Dimmable
- ○ F023H36A001
- ● F023H36A006
- ● F023H36A012
- ● F023H36A018
- ● F023H36A030
- ● F023H36A033

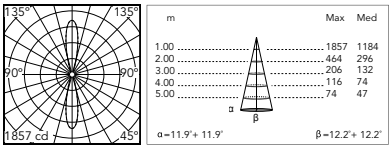
1-10V
- ○ F023H36B001
- ● F023H36B006
- ● F023H36B012
- ● F023H36B018
- ● F023H36B030
- ● F023H36B033

Dali
- ○ F023H36D001
- ● F023H36D006
- ● F023H36D012
- ● F023H36D018
- ● F023H36D030
- ● F023H36D033

4000K
Non Dimmable
- ○ F023H46A001
- ● F023H46A006
- ● F023H46A012
- ● F023H46A018
- ● F023H46A030
- ● F023H46A033

1-10V
- ○ F023H46B001
- ● F023H46B006
- ● F023H46B012
- ● F023H46B018
- ● F023H46B030
- ● F023H46B033

Dali
- ○ F023H46D001
- ● F023H46D006
- ● F023H46D012
- ● F023H46D018
- ● F023H46D030
- ● F023H46D033



@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Optic Flood

Power Led: 12W - 2x543 lm ≠ FIXT 2x311 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x325 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x356 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable

- ○ F023H27A001
- F023H27A006
- F023H27A012
- F023H27A018
- F023H27A030
- F023H27A033

1-10V

- ○ F023H27B001
- F023H27B006
- F023H27B012
- F023H27B018
- F023H27B030
- F023H27B033

Dali

- ○ F023H27D001
- F023H27D006
- F023H27D012
- F023H27D018
- F023H27D030
- F023H27D033

3000K

Non Dimmable

- ○ F023H37A001
- F023H37A006
- F023H37A012
- F023H37A018
- F023H37A030
- F023H37A033

1-10V

- ○ F023H37B001
- F023H37B006
- F023H37B012
- F023H37B018
- F023H37B030
- F023H37B033

Dali

- ○ F023H37D001
- F023H37D006
- F023H37D012
- F023H37D018
- F023H37D030
- F023H37D033

4000K

Non Dimmable

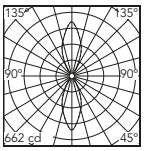
- ○ F023H47A001
- F023H47A006
- F023H47A012
- F023H47A018
- F023H47A030
- F023H47A033

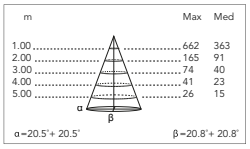
1-10V

- ○ F023H47B001
- F023H47B006
- F023H47B012
- F023H47B018
- F023H47B030
- F023H47B033

Dali

- ○ F023H47D001
- F023H47D006
- F023H47D012
- F023H47D018
- F023H47D030
- F023H47D033



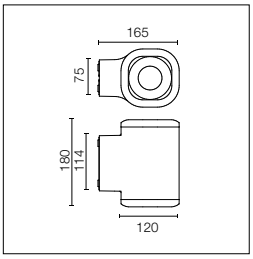


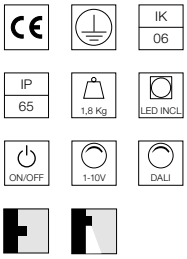
@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Pointbreak Wall 2 Down







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.
A richiesta versione monoemissione verso l'alto/Up.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection.
Upwards, single emission version, available upon request.

2200K available on request.

Optic Spot

Power Led: 17W - 1890 lm ≠ FIXT 1108 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1149 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1190 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023J21A001
- ● F023J21A006
- ● F023J21A012
- ● F023J21A018
- ● F023J21A030
- ● F023J21A033

1-10V
- ○ F023J21B001
- ● F023J21B006
- ● F023J21B012
- ● F023J21B018
- ● F023J21B030
- ● F023J21B033

Dali
- ○ F023J21D001
- ● F023J21D006
- ● F023J21D012
- ● F023J21D018
- ● F023J21D030
- ● F023J21D033

3000K

Non Dimmable
- ○ F023J31A001
- ● F023J31A006
- ● F023J31A012
- ● F023J31A018
- ● F023J31A030
- ● F023J31A033

1-10V
- ○ F023J31B001
- ● F023J31B006
- ● F023J31B012
- ● F023J31B018
- ● F023J31B030
- ● F023J31B033

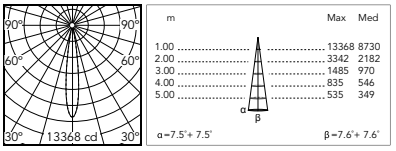
Dali
- ○ F023J31D001
- ● F023J31D006
- ● F023J31D012
- ● F023J31D018
- ● F023J31D030
- ● F023J31D033

4000K

Non Dimmable
- ○ F023J41A001
- ● F023J41A006
- ● F023J41A012
- ● F023J41A018
- ● F023J41A030
- ● F023J41A033

1-10V
- ○ F023J41B001
- ● F023J41B006
- ● F023J41B012
- ● F023J41B018
- ● F023J41B030
- ● F023J41B033

Dali
- ○ F023J41D001
- ● F023J41D006
- ● F023J41D012
- ● F023J41D018
- ● F023J41D030
- ● F023J41D033



@3000K

Optic Medium

Power Led: 17W - 1890 lm ≠ FIXT 1215 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1260 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1305 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023J22A001
- ● F023J22A006
- ● F023J22A012
- ● F023J22A018
- ● F023J22A030
- ● F023J22A033

1-10V
- ○ F023J22B001
- ● F023J22B006
- ● F023J22B012
- ● F023J22B018
- ● F023J22B030
- ● F023J22B033

Dali
- ○ F023J22D001
- ● F023J22D006
- ● F023J22D012
- ● F023J22D018
- ● F023J22D030
- ● F023J22D033

3000K

Non Dimmable
- ○ F023J32A001
- ● F023J32A006
- ● F023J32A012
- ● F023J32A018
- ● F023J32A030
- ● F023J32A033

1-10V
- ○ F023J32B001
- ● F023J32B006
- ● F023J32B012
- ● F023J32B018
- ● F023J32B030
- ● F023J32B033

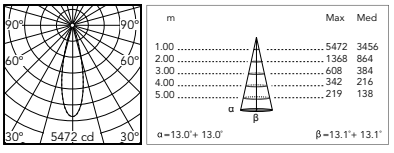
Dali
- ○ F023J32D001
- ● F023J32D006
- ● F023J32D012
- ● F023J32D018
- ● F023J32D030
- ● F023J32D033

4000K

Non Dimmable
- ○ F023J42A001
- ● F023J42A006
- ● F023J42A012
- ● F023J42A018
- ● F023J42A030
- ● F023J42A033

1-10V
- ○ F023J42B001
- ● F023J42B006
- ● F023J42B012
- ● F023J42B018
- ● F023J42B030
- ● F023J42B033

Dali
- ○ F023J42D001
- ● F023J42D006
- ● F023J42D012
- ● F023J42D018
- ● F023J42D030
- ● F023J42D033



@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Optic Flood

Power Led: 17W - 1890 lm ≠ FIXT 1222 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1267 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1311 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable

- ○ F023J23A001
- ● F023J23A006
- ● F023J23A012
- ● F023J23A018
- ● F023J23A030
- ● F023J23A033

1-10V

- ○ F023J23B001
- ● F023J23B006
- ● F023J23B012
- ● F023J23B018
- ● F023J23B030
- ● F023J23B033

Dali

- ○ F023J23D001
- ● F023J23D006
- ● F023J23D012
- ● F023J23D018
- ● F023J23D030
- ● F023J23D033

3000K

Non Dimmable

- ○ F023J33A001
- ● F023J33A006
- ● F023J33A012
- ● F023J33A018
- ● F023J33A030
- ● F023J33A033

1-10V

- ○ F023J33B001
- ● F023J33B006
- ● F023J33B012
- ● F023J33B018
- ● F023J33B030
- ● F023J33B033

Dali

- ○ F023J33D001
- ● F023J33D006
- ● F023J33D012
- ● F023J33D018
- ● F023J33D030
- ● F023J33D033

4000K

Non Dimmable

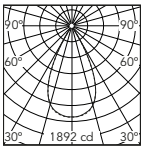
- ○ F023J43A001
- ● F023J43A006
- ● F023J43A012
- ● F023J43A018
- ● F023J43A030
- ● F023J43A033

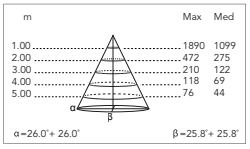
1-10V

- ○ F023J43B001
- ● F023J43B006
- ● F023J43B012
- ● F023J43B018
- ● F023J43B030
- ● F023J43B033

Dali

- ○ F023J43D001
- ● F023J43D006
- ● F023J43D012
- ● F023J43D018
- ● F023J43D030
- ● F023J43D033



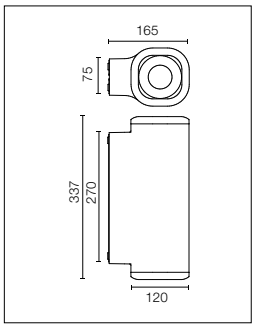


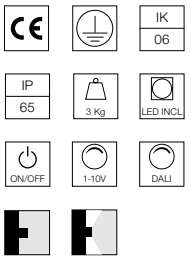
@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Pointbreak Wall 2 Up&Down







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.
A richiesta versione monoemissione verso l'alto o monoemissione verso il basso.

2200K disponibile su richiesta.

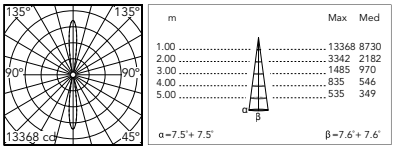
LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection.
Upon request: Single upwards emission or single downwards emission.

2200K available on request.

Optic Spot

Power Led: 32W - 2x1890 lm ≠ FIXT 2x1108 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1149 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1190 lm - 4000/CRI>80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F023J25A001	○ F023J35A001	○ F023J45A001
● F023J25A006	● F023J35A006	● F023J45A006
● F023J25A012	● F023J35A012	● F023J45A012
● F023J25A018	● F023J35A018	● F023J45A018
● F023J25A030	● F023J35A030	● F023J45A030
● F023J25A033	● F023J35A033	● F023J45A033
1-10V	1-10V	1-10V
○ F023J25B001	○ F023J35B001	○ F023J45B001
● F023J25B006	● F023J35B006	● F023J45B006
● F023J25B012	● F023J35B012	● F023J45B012
● F023J25B018	● F023J35B018	● F023J45B018
● F023J25B030	● F023J35B030	● F023J45B030
● F023J25B033	● F023J35B033	● F023J45B033
Dali	Dali	Dali
○ F023J25D001	○ F023J35D001	○ F023J45D001
● F023J25D006	● F023J35D006	● F023J45D006
● F023J25D012	● F023J35D012	● F023J45D012
● F023J25D018	● F023J35D018	● F023J45D018
● F023J25D030	● F023J35D030	● F023J45D030
● F023J25D033	● F023J35D033	● F023J45D033

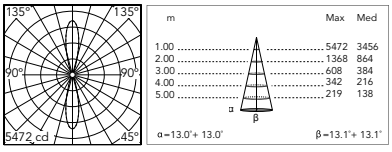


@3000K

Optic Medium

Power Led: 32W - 2x1890 lm ≠ FIXT 2x1215 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1260 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1305 lm - 4000/CRI>80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F023J26A001	○ F023J36A001	○ F023J46A001
● F023J26A006	● F023J36A006	● F023J46A006
● F023J26A012	● F023J36A012	● F023J46A012
● F023J26A018	● F023J36A018	● F023J46A018
● F023J26A030	● F023J36A030	● F023J46A030
● F023J26A033	● F023J36A033	● F023J46A033
1-10V	1-10V	1-10V
○ F023J26B001	○ F023J36B001	○ F023J46B001
● F023J26B006	● F023J36B006	● F023J46B006
● F023J26B012	● F023J36B012	● F023J46B012
● F023J26B018	● F023J36B018	● F023J46B018
● F023J26B030	● F023J36B030	● F023J46B030
● F023J26B033	● F023J36B033	● F023J46B033
Dali	Dali	Dali
○ F023J26D001	○ F023J36D001	○ F023J46D001
● F023J26D006	● F023J36D006	● F023J46D006
● F023J26D012	● F023J36D012	● F023J46D012
● F023J26D018	● F023J36D018	● F023J46D018
● F023J26D030	● F023J36D030	● F023J46D030
● F023J26D033	● F023J36D033	● F023J46D033



@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Optic Flood

Power Led: 32W - 2x1890 lm ≠ FIXT 2x1222 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1267 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1311 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable

- ○ F023J27A001
- ● F023J27A006
- ● F023J27A012
- ● F023J27A018
- ● F023J27A030
- ● F023J27A033

1-10V

- ○ F023J27B001
- ● F023J27B006
- ● F023J27B012
- ● F023J27B018
- ● F023J27B030
- ● F023J27B033

Dali

- ○ F023J27D001
- ● F023J27D006
- ● F023J27D012
- ● F023J27D018
- ● F023J27D030
- ● F023J27D033

3000K

Non Dimmable

- ○ F023J37A001
- ● F023J37A006
- ● F023J37A012
- ● F023J37A018
- ● F023J37A030
- ● F023J37A033

1-10V

- ○ F023J37B001
- ● F023J37B006
- ● F023J37B012
- ● F023J37B018
- ● F023J37B030
- ● F023J37B033

Dali

- ○ F023J37D001
- ● F023J37D006
- ● F023J37D012
- ● F023J37D018
- ● F023J37D030
- ● F023J37D033

4000K

Non Dimmable

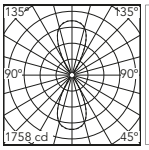
- ○ F023J47A001
- ● F023J47A006
- ● F023J47A012
- ● F023J47A018
- ● F023J47A030
- ● F023J47A033

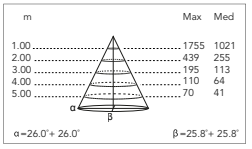
1-10V

- ○ F023J47B001
- ● F023J47B006
- ● F023J47B012
- ● F023J47B018
- ● F023J47B030
- ● F023J47B033

Dali

- ○ F023J47D001
- ● F023J47D006
- ● F023J47D012
- ● F023J47D018
- ● F023J47D030
- ● F023J47D033



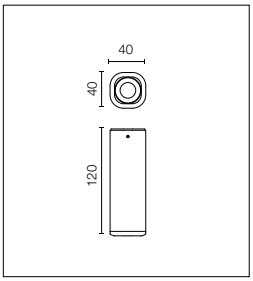


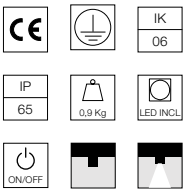
@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Pointbreak Ceiling 0







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di passacavo IP65 in gomma e morsetti a 2 poli a connessione rapida.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

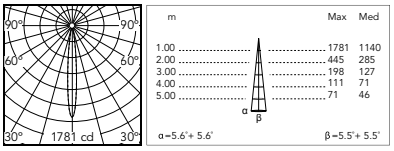
Optic Spot

Power LED: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- ○ F023K21A001
- ● F023K21A006
- ● F023K21A012
- ● F023K21A018
- ● F023K21A030
- ● F023K21A033

3000K
Non Dimmable
- ○ F023K31A001
- ● F023K31A006
- ● F023K31A012
- ● F023K31A018
- ● F023K31A030
- ● F023K31A033

4000K
Non Dimmable
- ○ F023K41A001
- ● F023K41A006
- ● F023K41A012
- ● F023K41A018
- ● F023K41A030
- ● F023K41A033



@3000K

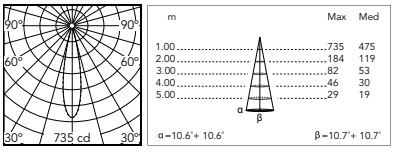
Optic Medium

Power LED: 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- ○ F023K22A001
- ● F023K22A006
- ● F023K22A012
- ● F023K22A018
- ● F023K22A030
- ● F023K22A033

3000K
Non Dimmable
- ○ F023K32A001
- ● F023K32A006
- ● F023K32A012
- ● F023K32A018
- ● F023K32A030
- ● F023K32A033

4000K
Non Dimmable
- ○ F023K42A001
- ● F023K42A006
- ● F023K42A012
- ● F023K42A018
- ● F023K42A030
- ● F023K42A033



@3000K

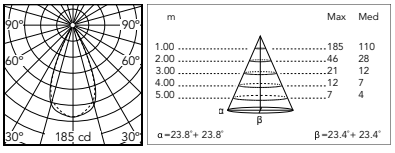
Optic Flood

Power LED: 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

2700K
Non Dimmable
- ○ F023K23A001
- ● F023K23A006
- ● F023K23A012
- ● F023K23A018
- ● F023K23A030
- ● F023K23A033

3000K
Non Dimmable
- ○ F023K33A001
- ● F023K33A006
- ● F023K33A012
- ● F023K33A018
- ● F023K33A030
- ● F023K33A033

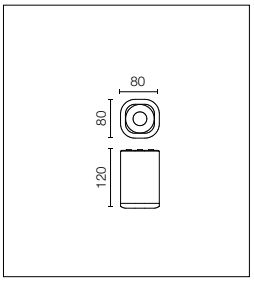
4000K
Non Dimmable
- ○ F023K43A001
- ● F023K43A006
- ● F023K43A012
- ● F023K43A018
- ● F023K43A030
- ● F023K43A033

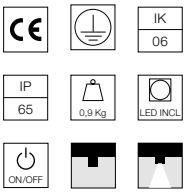


@3000K

* Dati tecnici preliminari. / Preliminary technical specs.







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for inlet and outlet connection.

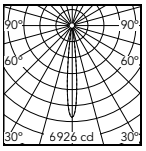
Optic Spot

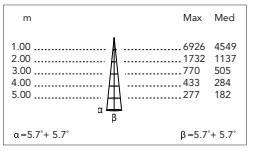
Power LED: 5,5W - 543 lm ≠ FIXT 319 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 335 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 367 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- ○ F023L21A001
- ● F023L21A006
- ● F023L21A012
- ● F023L21A018
- ● F023L21A030
- ● F023L21A033

3000K
Non Dimmable
- ○ F023L31A001
- ● F023L31A006
- ● F023L31A012
- ● F023L31A018
- ● F023L31A030
- ● F023L31A033

4000K
Non Dimmable
- ○ F023L41A001
- ● F023L41A006
- ● F023L41A012
- ● F023L41A018
- ● F023L41A030
- ● F023L41A033





@3000K

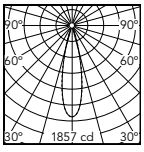
Optic Medium

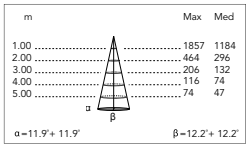
Power LED: 5,5W - 543 lm ≠ FIXT 350 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 367 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 402 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- ○ F023L22A001
- ● F023L22A006
- ● F023L22A012
- ● F023L22A018
- ● F023L22A030
- ● F023L22A033

3000K
Non Dimmable
- ○ F023L32A001
- ● F023L32A006
- ● F023L32A012
- ● F023L32A018
- ● F023L32A030
- ● F023L32A033

4000K
Non Dimmable
- ○ F023L42A001
- ● F023L42A006
- ● F023L42A012
- ● F023L42A018
- ● F023L42A030
- ● F023L42A033





@3000K

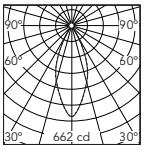
Optic Flood

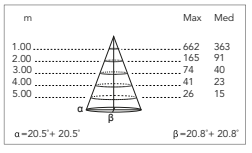
Power LED: 5,5W - 543 lm ≠ FIXT 311 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 325 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 356 lm - 4000/CRI>80 - 220-240V

2700K
Non Dimmable
- ○ F023L23A001
- ● F023L23A006
- ● F023L23A012
- ● F023L23A018
- ● F023L23A030
- ● F023L23A033

3000K
Non Dimmable
- ○ F023L33A001
- ● F023L33A006
- ● F023L33A012
- ● F023L33A018
- ● F023L33A030
- ● F023L33A033

4000K
Non Dimmable
- ○ F023L43A001
- ● F023L43A006
- ● F023L43A012
- ● F023L43A018
- ● F023L43A030
- ● F023L43A033



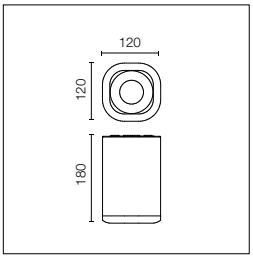


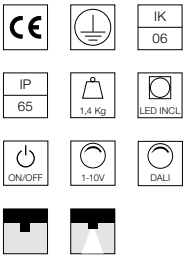
@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Pointbreak Ceiling 2







Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with double cable gland for inlet and outlet connection.

2200K available on request.

Optic Spot

Power Led: 17W - 1890 lm ≠ FIXT 1108 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1149 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1190 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023M21A001
- F023M21A006
- F023M21A012
- F023M21A018
- ● F023M21A030
- F023M21A033

1-10V
- ○ F023M21B001
- F023M21B006
- F023M21B012
- F023M21B018
- ● F023M21B030
- F023M21B033

Dali
- ○ F023M21D001
- F023M21D006
- F023M21D012
- F023M21D018
- ● F023M21D030
- F023M21D033

3000K

Non Dimmable
- ○ F023M31A001
- F023M31A006
- F023M31A012
- F023M31A018
- ● F023M31A030
- F023M31A033

1-10V
- ○ F023M31B001
- F023M31B006
- F023M31B012
- F023M31B018
- ● F023M31B030
- F023M31B033

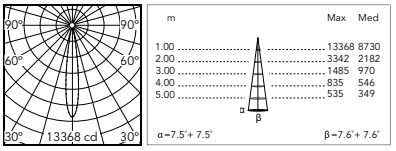
Dali
- ○ F023M31D001
- F023M31D006
- F023M31D012
- F023M31D018
- ● F023M31D030
- F023M31D033

4000K

Non Dimmable
- ○ F023M41A001
- F023M41A006
- F023M41A012
- F023M41A018
- ● F023M41A030
- F023M41A033

1-10V
- ○ F023M41B001
- F023M41B006
- F023M41B012
- F023M41B018
- ● F023M41B030
- F023M41B033

Dali
- ○ F023M41D001
- F023M41D006
- F023M41D012
- F023M41D018
- ● F023M41D030
- F023M41D033



@3000K

Optic Medium

Power Led: 17W - 1890 lm ≠ FIXT 1215 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1260 - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1305 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- ○ F023M22A001
- F023M22A006
- F023M22A012
- F023M22A018
- ● F023M22A030
- F023M22A033

1-10V
- ○ F023M22B001
- F023M22B006
- F023M22B012
- F023M22B018
- ● F023M22B030
- F023M22B033

Dali
- ○ F023M22D001
- F023M22D006
- F023M22D012
- F023M22D018
- ● F023M22D030
- F023M22D033

3000K

Non Dimmable
- ○ F023M32A001
- F023M32A006
- F023M32A012
- F023M32A018
- ● F023M32A030
- F023M32A033

1-10V
- ○ F023M32B001
- F023M32B006
- F023M32B012
- F023M32B018
- ● F023M32B030
- F023M32B033

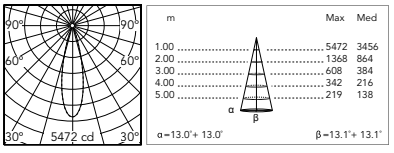
Dali
- ○ F023M32D001
- F023M32D006
- F023M32D012
- F023M32D018
- ● F023M32D030
- F023M32D033

4000K

Non Dimmable
- ○ F023M42A001
- F023M42A006
- F023M42A012
- F023M42A018
- ● F023M42A030
- F023M42A033

1-10V
- ○ F023M42B001
- F023M42B006
- F023M42B012
- F023M42B018
- ● F023M42B030
- F023M42B033

Dali
- ○ F023M42D001
- F023M42D006
- F023M42D012
- F023M42D018
- ● F023M42D030
- F023M42D033



@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

Optic Flood

Power Led: 17W - 1890 lm ≠ FIXT 1222 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1267 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1311 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable

- ○ F023M23A001
- ● F023M23A006
- ● F023M23A012
- ● F023M23A018
- ● F023M23A030
- ● F023M23A033

1-10V

- ○ F023M23B001
- ● F023M23B006
- ● F023M23B012
- ● F023M23B018
- ● F023M23B030
- ● F023M23B033

Dali

- ○ F023M23D001
- ● F023M23D006
- ● F023M23D012
- ● F023M23D018
- ● F023M23D030
- ● F023M23D033

3000K

Non Dimmable

- ○ F023M33A001
- ● F023M33A006
- ● F023M33A012
- ● F023M33A018
- ● F023M33A030
- ● F023M33A033

1-10V

- ○ F023M33B001
- ● F023M33B006
- ● F023M33B012
- ● F023M33B018
- ● F023M33B030
- ● F023M33B033

Dali

- ○ F023M33D001
- ● F023M33D006
- ● F023M33D012
- ● F023M33D018
- ● F023M33D030
- ● F023M33D033

4000K

Non Dimmable

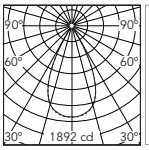
- ○ F023M43A001
- ● F023M43A006
- ● F023M43A012
- ● F023M43A018
- ● F023M43A030
- ● F023M43A033

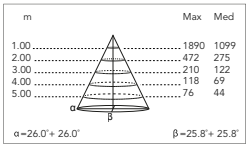
1-10V

- ○ F023M43B001
- ● F023M43B006
- ● F023M43B012
- ● F023M43B018
- ● F023M43B030
- ● F023M43B033

Dali

- ○ F023M43D001
- ● F023M43D006
- ● F023M43D012
- ● F023M43D018
- ● F023M43D030
- ● F023M43D033





@3000K

* Dati tecnici preliminari. / Preliminary technical specs.

In Vitro

Designed by Philippe Starck





In Vitro Unplugged





In Vitro Bollard



In Vitro Suspension

Famiglia / Family

In Vitro Unplugged



Led Edge Lighting
2,5W
115 lm - 2700K/CRI 80
124 lm - 3000K/CRI 80

In Vitro Bollard



Led Edge Lighting
11W
667 lm - 2700K/CRI 80
714 lm - 3000K/CRI 80

In Vitro Wall



Led Edge Lighting
11W
667 lm - 2700K/CRI 80
714 lm - 3000K/CRI 80

In Vitro Ceiling



Led Edge Lighting
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

In Vitro Suspension



Led Edge Lighting
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

In Vitro Rod



Led Edge Lighting
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

Colori / Colours

01 White



12 Forest Green



13 Pale Green



18 Deep Brown



25 Terracotta



30 Black



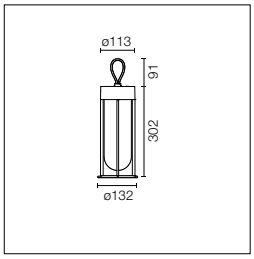
33 Anthracite

Apparecchi di illuminazione per installazione a terra, parete, plafone, sospensione e lampada portatile, a luce diffusa per uso esterno.
Diffusore opalino integrato nella testa e vetro estetico di protezione esterno in borosilicato trasparente.
Le parti strutturali dell'apparecchio sono realizzate in alluminio pressofuso ed estruso trattato con procedimento di conversione chimica al fine di una efficiente resistenza agli agenti atmosferici. Il corpo è verniciato a polvere e disponibile in varie finiture.
Sorgente luminosa a LED integrata con tecnologia ottica Edge Lighting per garantire una perfetta uniformità luminosa. Driver integrato nel corpo dell'apparecchio disponibile per controllo ON/OFF e dimmerabile.
La versione bollard è fornita con un connettore stagno per il collegamento alla rete elettrica. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli da scegliersi a cura dell'installatore in funzione della tipologia di superficie. Disponibile come accessorio da ordinare separatamente la cassaforma per l'installazione su una pavimentazione da gettare con plinto di cemento.
La versione unplugged è dotata di pratica maniglia colorata in silicone e facilmente ricaricabile tramite cavo Micro USB-C di 120 cm di lunghezza. Il driver dimmerabile è alloggiato nel corpo dell'apparecchio con sistema touch-dimm integrato accessibile tramite sensore ottico posizionato sulla testa. Attraverso un semplice tocco è possibile regolare l'intensità luminosa della lampada in 4 step di dimmerazione, garantendo un'emissione continua fino a 6 ore.

Luminaires for floor, wall and suspended installation, and portable luminaire, with diffused light for outdoor use.
Opalescent diffuser integrated in the head and external transparent borosilicate safety glass.
The structural parts of the luminaire are made of extruded die-cast aluminum, treated with a chemical conversion procedure to ensure effective resistance to atmospheric conditions. The body is powder coated and comes in various finishes.
Integrated LED light source with Edge Lighting optical technology to ensure perfect light uniformity. Driver integrated in the luminaire body available for ON/OFF and dimmable control.
Bollard version comes with a watertight plug for power supply connection. The luminaire may be installed on any type of flooring using anchors, to be selected by the installer depending on the type of surface. Accessory box for installation on flooring to be concreted sold separately.
Unplugged version is equipped with a practical, colored silicone handle and is easily recharged with a 120cm long Micro USB-C cable. Dimmable driver in the body of the luminaire with an integrated touch-dim system, accessible through an optical switch sensor located on the head. With a simple touch, light intensity can be adjusted through a 4-step dimming function, ensuring a continuous emission for up to 6 hours.

In Vitro Unplugged





IP 65 · IK 08 · 1 Kg · LED INCL

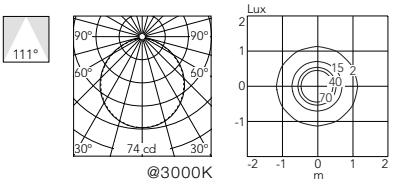
Versione portatile dotata di maniglia per il trasporto. Driver Dimmerabile 5/100÷240V/50-60Hz integrato nel corpo dell'apparecchio con sensore ottico touch sulla testa con regolazione dell'intensità luminosa in 4 step di dimmerazione: 100%-50%-3%-OFF. Ricaricabile tramite cavo Micro USB-C di 120 cm di lunghezza che garantisce un'emissione continua fino a 6 ore. Caricatore con prese intercambiabili EUR, UK, USA.

Portable version equipped with a carrying handle. Adjustable driver 5/100÷240V/50-60Hz integrated in the body of the luminaire with optical switch sensor on the head and with a 4-step dimming function: 100%-50%-3%-OFF. Rechargeable with a 120cm long Micro USB-C cable ensuring continuous emission for up to 6 hours. Charger with interchangeable EUR, UK and USA plugs.

Led Edge Lighting: 2,5W - 182 lm ≠ FIXT 115 lm - 2700K/CRI 90 - 100-240V/V5 / 2,5W - 195 lm ≠ FIXT 124 lm - 3000K/CRI 90 - 100-240V/V5

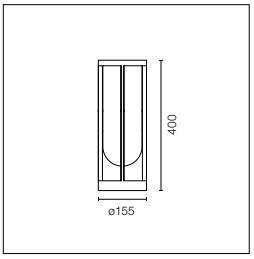
2700K
Touch Dimm
- F018E21K001
- F018E21K012
- F018E21K013
- F018E21K018
- F018E21K025
- F018E21K030
- F018E21K033

3000K
Touch Dimm
- F018E31K001
- F018E31K012
- F018E31K013
- F018E31K018
- F018E31K025
- F018E31K030
- F018E31K033



In Vitro Bollard 1





IP 66 · IK 10 · 2,2 Kg · LED INCL

Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è fornito con un connettore stagno per il collegamento alla rete elettrica. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Led Edge Lighting: 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

2700K
Non Dimmable
- F018A21A001
- F018A21A012
- F018A21A013
- F018A21A018
- F018A21A025
- F018A21A030
- F018A21A033

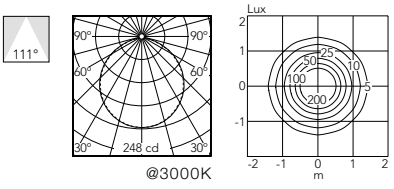
1-10V
- F018A21B001
- F018A21B012
- F018A21B013
- F018A21B018
- F018A21B025
- F018A21B030
- F018A21B033

Dali
- F018A21D001
- F018A21D012
- F018A21D013
- F018A21D018
- F018A21D025
- F018A21D030
- F018A21D033

3000K
Non Dimmable
- F018A31A001
- F018A31A012
- F018A31A013
- F018A31A018
- F018A31A025
- F018A31A030
- F018A31A033

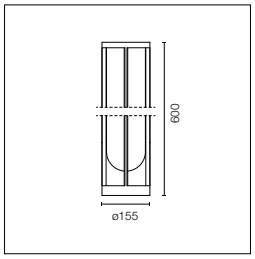
1-10V
- F018A31B001
- F018A31B012
- F018A31B013
- F018A31B018
- F018A31B025
- F018A31B030
- F018A31B033

Dali
- F018A31D001
- F018A31D012
- F018A31D013
- F018A31D018
- F018A31D025
- F018A31D030
- F018A31D033



In Vitro Bollard 2





IP 66 | IK 10 | 3,1 Kg | LED INCL

Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è fornito con un connettore stagno per il collegamento alla rete elettrica. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Led Edge Lighting: 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F018A22A001
- ● F018A22A012
- ● F018A22A013
- ● F018A22A018
- ● F018A22A025
- ● F018A22A030
- ● F018A22A033

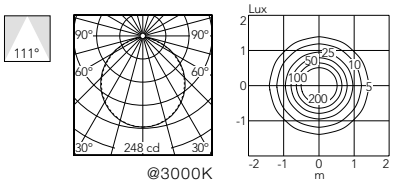
1-10V
- ○ F018A22B001
- ● F018A22B012
- ● F018A22B013
- ● F018A22B018
- ● F018A22B025
- ● F018A22B030
- ● F018A22B033

Dali
- ○ F018A22D001
- ● F018A22D012
- ● F018A22D013
- ● F018A22D018
- ● F018A22D025
- ● F018A22D030
- ● F018A22D033

3000K
Non Dimmable
- ○ F018A32A001
- ● F018A32A012
- ● F018A32A013
- ● F018A32A018
- ● F018A32A025
- ● F018A32A030
- ● F018A32A033

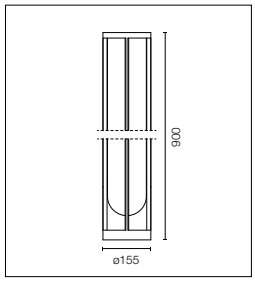
1-10V
- ○ F018A32B001
- ● F018A32B012
- ● F018A32B013
- ● F018A32B018
- ● F018A32B025
- ● F018A32B030
- ● F018A32B033

Dali
- ○ F018A32D001
- ● F018A32D012
- ● F018A32D013
- ● F018A32D018
- ● F018A32D025
- ● F018A32D030
- ● F018A32D033



In Vitro Bollard 3





IP 66 | IK 10 | 4,4 Kg | LED INCL

Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è fornito con un connettore stagno per il collegamento alla rete elettrica. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Led Edge Lighting: 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F018A23A001
- ● F018A23A012
- ● F018A23A013
- ● F018A23A018
- ● F018A23A025
- ● F018A23A030
- ● F018A23A033

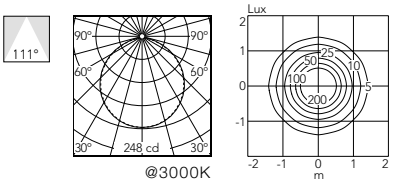
1-10V
- ○ F018A23B001
- ● F018A23B012
- ● F018A23B013
- ● F018A23B018
- ● F018A23B025
- ● F018A23B030
- ● F018A23B033

Dali
- ○ F018A23D001
- ● F018A23D012
- ● F018A23D013
- ● F018A23D018
- ● F018A23D025
- ● F018A23D030
- ● F018A23D033

3000K
Non Dimmable
- ○ F018A33A001
- ● F018A33A012
- ● F018A33A013
- ● F018A33A018
- ● F018A33A025
- ● F018A33A030
- ● F018A33A033

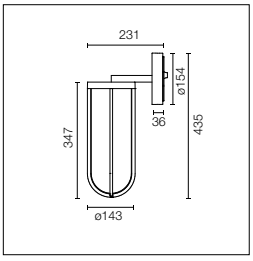
1-10V
- ○ F018A33B001
- ● F018A33B012
- ● F018A33B013
- ● F018A33B018
- ● F018A33B025
- ● F018A33B030
- ● F018A33B033

Dali
- ○ F018A33D001
- ● F018A33D012
- ● F018A33D013
- ● F018A33D018
- ● F018A33D025
- ● F018A33D030
- ● F018A33D033



In Vitro Wall





IP 66 | IK 10 | 2,2 Kg | LED INCL

Attacco a parete. Sorgente luminosa inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata.

Wall mount. Light source included. Integrated 220–240V ON/OFF or dimmable electrical power.

Led Edge Lighting: 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F018B22A001
- ● F018B22A012
- ● F018B22A013
- ● F018B22A018
- ● F018B22A025
- ● F018B22A030
- ● F018B22A033

1-10V

- ○ F018B22B001
- ● F018B22B012
- ● F018B22B013
- ● F018B22B018
- ● F018B22B025
- ● F018B22B030
- ● F018B22B033

Dali

- ○ F018B22D001
- ● F018B22D012
- ● F018B22D013
- ● F018B22D018
- ● F018B22D025
- ● F018B22D030
- ● F018B22D033

3000K

Non Dimmable

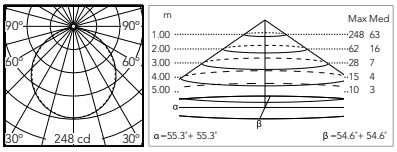
- ○ F018B32A001
- ● F018B32A012
- ● F018B32A013
- ● F018B32A018
- ● F018B32A025
- ● F018B32A030
- ● F018B32A033

1-10V

- ○ F018B32B001
- ● F018B32B012
- ● F018B32B013
- ● F018B32B018
- ● F018B32B025
- ● F018B32B030
- ● F018B32B033

Dali

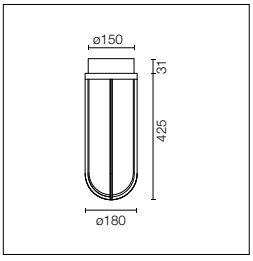
- ○ F018B32D001
- ● F018B32D012
- ● F018B32D013
- ● F018B32D018
- ● F018B32D025
- ● F018B32D030
- ● F018B32D033



@3000K

In Vitro Ceiling





IP 66 | IK 10 | 2,8 Kg | LED INCL

Sorgente luminosa inclusa. Attacco a soffitto. Alimentazione elettrica ON/OFF o dimmerabile 220-240V inclusa.

Light source included. Ceiling mount. Integrated 220–240V ON/OFF or dimmable electrical power.

Led Edge Lighting: 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F018C25A001
- ● F018C25A012
- ● F018C25A013
- ● F018C25A018
- ● F018C25A025
- ● F018C25A030
- ● F018C25A033

1-10V

- ○ F018C25B001
- ● F018C25B012
- ● F018C25B013
- ● F018C25B018
- ● F018C25B025
- ● F018C25B030
- ● F018C25B033

Dali

- ○ F018C25D001
- ● F018C25D012
- ● F018C25D013
- ● F018C25D018
- ● F018C25D025
- ● F018C25D030
- ● F018C25D033

3000K

Non Dimmable

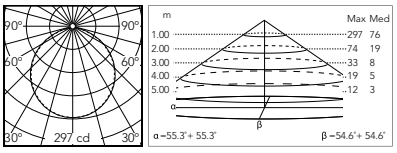
- ○ F018C35A001
- ● F018C35A012
- ● F018C35A013
- ● F018C35A018
- ● F018C35A025
- ● F018C35A030
- ● F018C35A033

1-10V

- ○ F018C35B001
- ● F018C35B012
- ● F018C35B013
- ● F018C35B018
- ● F018C35B025
- ● F018C35B030
- ● F018C35B033

Dali

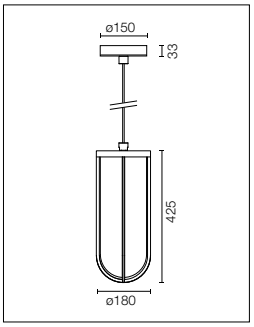
- ○ F018C35D001
- ● F018C35D012
- ● F018C35D013
- ● F018C35D018
- ● F018C35D025
- ● F018C35D030
- ● F018C35D033

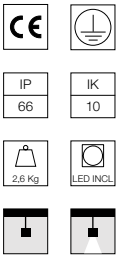


@3000K

In Vitro Suspension







Installazione a sospensione. Sorgente luminosa inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata all'interno di base a soffitto dedicata. Lunghezza cavo a sospensione 1000 mm.

Hanging version. Light source included. 220–240V ON/OFF or dimmable electrical power integrated within the dedicated ceiling attachment. Hanging cable length 1000 mm.

Led Edge Lighting: 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F018D25A001
- ● F018D25A012
- ● F018D25A013
- ● F018D25A018
- ● F018D25A025
- ● F018D25A030
- ● F018D25A033

1-10V

- ○ F018D25B001
- ● F018D25B012
- ● F018D25B013
- ● F018D25B018
- ● F018D25B025
- ● F018D25B030
- ● F018D25B033

Dali

- ○ F018D25D001
- ● F018D25D012
- ● F018D25D013
- ● F018D25D018
- ● F018D25D025
- ● F018D25D030
- ● F018D25D033

3000K

Non Dimmable

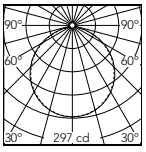
- ○ F018D35A001
- ● F018D35A012
- ● F018D35A013
- ● F018D35A018
- ● F018D35A025
- ● F018D35A030
- ● F018D35A033

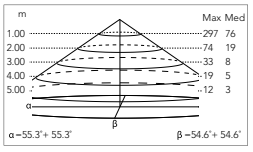
1-10V

- ○ F018D35B001
- ● F018D35B012
- ● F018D35B013
- ● F018D35B018
- ● F018D35B025
- ● F018D35B030
- ● F018D35B033

Dali

- ○ F018D35D001
- ● F018D35D012
- ● F018D35D013
- ● F018D35D018
- ● F018D35D025
- ● F018D35D030
- ● F018D35D033

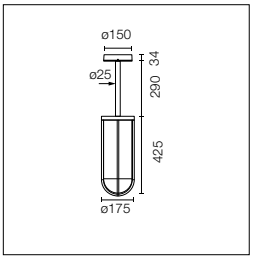


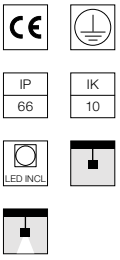


@3000K

In Vitro Rod 1



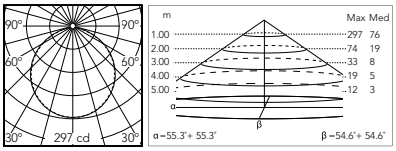




Installazione a tige. Sorgente luminosa inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata all'interno di base a soffitto dedicata. Lunghezza tige 290mm.

Rod installation. Light source is included. Power supply ON/OFF or dimmable 220-240V is integrated within the ceiling base. Length: 290 mm.

Led Edge Lighting: 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V



@3000K

2700K
Non Dimmable
- ○ F018F21A001
- ● F018F21A012
- ● F018F21A013
- ● F018F21A018
- ● F018F21A025
- ● F018F21A030
- ● F018F21A033

1-10V
- ○ F018F21B001
- ● F018F21B012
- ● F018F21B013
- ● F018F21B018
- ● F018F21B025
- ● F018F21B030
- ● F018F21B033

Dali
- ○ F018F21D001
- ● F018F21D012
- ● F018F21D013
- ● F018F21D018
- ● F018F21D025
- ● F018F21D030
- ● F018F21D033

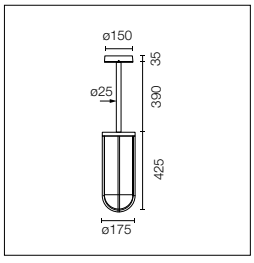
3000K
Non Dimmable
- ○ F018F31A001
- ● F018F31A012
- ● F018F31A013
- ● F018F31A018
- ● F018F31A025
- ● F018F31A030
- ● F018F31A033

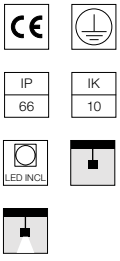
1-10V
- ○ F018F31B001
- ● F018F31B012
- ● F018F31B013
- ● F018F31B018
- ● F018F31B025
- ● F018F31B030
- ● F018F31B033

Dali
- ○ F018F31D001
- ● F018F31D012
- ● F018F31D013
- ● F018F31D018
- ● F018F31D025
- ● F018F31D030
- ● F018F31D033

In Vitro Rod 2



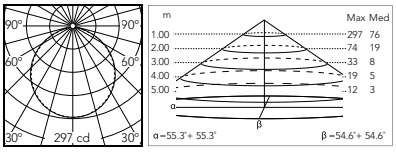




Installazione a tige. Sorgente luminosa inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata all'interno di base a soffitto dedicata. Lunghezza tige 390mm.

Rod installation. Light source is included. Power supply ON/OFF or dimmable 220-240V is integrated within the ceiling base. Length: 390 mm.

Led Edge Lighting: 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V



@3000K

2700K
Non Dimmable
- ○ F018F22A001
- ● F018F22A012
- ● F018F22A013
- ● F018F22A018
- ● F018F22A025
- ● F018F22A030
- ● F018F22A033

1-10V
- ○ F018F22B001
- ● F018F22B012
- ● F018F22B013
- ● F018F22B018
- ● F018F22B025
- ● F018F22B030
- ● F018F22B033

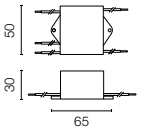
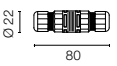
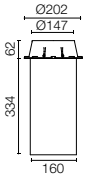
Dali
- ○ F018F22D001
- ● F018F22D012
- ● F018F22D013
- ● F018F22D018
- ● F018F22D025
- ● F018F22D030
- ● F018F22D033

3000K
Non Dimmable
- ○ F018F32A001
- ● F018F32A012
- ● F018F32A013
- ● F018F32A018
- ● F018F32A025
- ● F018F32A030
- ● F018F32A033

1-10V
- ○ F018F32B001
- ● F018F32B012
- ● F018F32B013
- ● F018F32B018
- ● F018F32B025
- ● F018F32B030
- ● F018F32B033

Dali
- ○ F018F32D001
- ● F018F32D012
- ● F018F32D013
- ● F018F32D018
- ● F018F32D025
- ● F018F32D030
- ● F018F32D033

In Vitro Bollard

Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Cassaforma per l'installazione a terra.	Box for ground installation.	F018Z000000		

Mayday Outdoor

Designed by Konstantin Grcic











Famiglia / Family

Mayday Outdoor



Led Retrofit
Max. 10W
2700K/CRI 80
3000K/CRI 80

Colori / Colours

Black

Leaf Green

Mustard Yellow

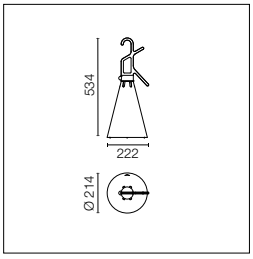
Descrizione / Description

Apparecchio mobile di illuminazione multiuso adatto per installazione in ambienti esterni. Il pratico gancio/maniglia, avente anche la funzione di avvolgicavo, è in polipropilene riciclato caratterizzato nella versione outdoor, oltre che dal classico black, dalle nuance natura leaf green e mustard yellow. La maniglia è completata da un comodo interruttore a pulsante ON/OFF stagno. Il cavo in uscita, bloccato nella maniglia da pressacavo è adatto per ambienti outdoor ed ha lunghezza di 6 metri con spina Schuko IP44. Il diffusore conico opalino stampato ad iniezione è in polipropilene sostenibile ricavato da scarti del processo industriale.
La sorgente luminosa è protetta dagli agenti atmosferici tramite una capsula stagna trasparente in polimetilmetacrilato sigillata con guarnizione in elastomero che consente di raggiungere il grado di protezione IP 65.
Mayday è facile da smontare in modo che ogni parte possa essere riciclata correttamente; nel processo di assemblaggio non viene utilizzata alcuna colla. A completamento nell'imballo di spedizione il sacchetto in puro cotone drill naturale.

Multipurpose luminaire suitable for outdoor use. Its practical hook/handle, which also serves to wind the cable, is made of recycled polypropylene. In the outdoor version, it is available both in the classic black color and in the natural shades of leaf green and mustard yellow. The handle has a convenient watertight ON/OFF switch. The 6 meters long outgoing cable, which is fixed to the handle by a cable guide, is suitable for outdoor use and has a Schuko IP44 plug. The conical diffuser, in opaline color and produced by injection printing, is made of sustainable polypropylene obtained from industrial waste.
The light source is protected from atmospheric agents by a watertight and transparent polymethylmethacrylate capsule, sealed by an elastomer seal that guarantees IP 65 protection.
Mayday is easy to disassemble so that each part can be properly recycled; no glue is used in the assembly process. The shipping packaging is completed with a pure natural cotton drill bag.

Mayday Outdoor





IK 07

IP 65

0,9 Kg

LED INCL

6000 mm

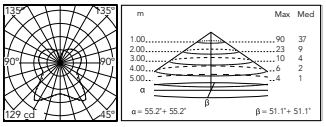
Attacco per lampadina E14, sorgente luminosa esclusa. Alimentazione elettrica 220-240V ON/ OFF. Interruttore IP65 sul manico dell'apparecchio. Dotata di cavo adatto per outdoor 6 metri di lunghezza con spina Schuko IP44.

Socket for E14 bulb, light source not included. 220-240 V ON/OFF electric power supply. IP65 switch on the handle of the luminaire. It has a 6 meter long cable for outdoor use and an IP44 Schuko plug.

Led Retrofit: Max. 10W - E14 - 220-240V

2700K

- F038AAAA0ZZ
- F038AACA0ZZ
- F038AABA0ZZ



@3000K

Mayday Outdoor: Accessori / Accessories

Fonte luminosa LED E14 8W 2700K 900 lm 230V T28.	LED lamp E14 8W 2700K 900 lm 230V T28.	RF32290	
Fonte luminosa LED E14 8W 3000K 900 lm 230V T28.	LED lamp E14 8W 3000K 900 lm 230V T28.	RF32291	

Mile

Designed by Antonio Citterio





Mile Wall



Mile Ceiling 1



Mile Bollard 1

Famiglia / Family

Mile Bollard 1 600

Mono / Double



Mile Bollard 2 600

Mono / Double



Mile Bollard 1 900

Mono / Double



Mile Bollard 2 900

Mono / Double



Mid - Power Led
4,9W
283 lm - 2700K/CRI 80
294 lm - 3000K/CRI 80
305 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
9,8W
2x283 lm - 2700K/CRI 80
2x294 lm - 3000K/CRI 80
2x305 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
7,8W
603 lm - 2700K/CRI 80
627 lm - 3000K/CRI 80
651 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
15,6W
2x603 lm - 2700K/CRI 80
2x627 lm - 3000K/CRI 80
2x651 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

*00 Primer

01 White

06 Grey

**12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

* Solo per le versioni Wall, Path e Ceiling / Only for Wall, Path and Ceiling vesions.
** Solo per le versioni Wall, Bollard e Path / Only for Wall, Bollard and Path versions.

Mile Path 1



Mid - Power Led
4,9W
up to 100 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

Mile Path 2



Mid - Power Led
7,6W
up to 172 lm - 2700K/CRI 80
up to 179 lm - 3000K/CRI 80
up to 186 lm - 4000K/CRI 80
2200K available on request.

Mile Wall 1

Up / Down / Up&Down



Mid - Power Led
4,9W
283 lm - 2700K/CRI 80
294 lm - 3000K/CRI 80
305 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
8,1W
2x283 lm - 2700K/CRI 80
2x294 lm - 3000K/CRI 80
2x305 lm - 4000K/CRI 80
2200K available on request.

Washer

Up / Down / Up&Down

Mid - Power Led
4,9W
291 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
314 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
8,1W
2x291 lm - 2700K/CRI 80
2x303 lm - 3000K/CRI 80
2x314 lm - 4000K/CRI 80
2200K available on request.

Mile Wall 2

Up / Down / Up&Down



Mid - Power Led
7,8W
603 lm - 2700K/CRI 80
627 lm - 3000K/CRI 80
651 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
13,5W
2x603 lm - 2700K/CRI 80
2x627 lm - 3000K/CRI 80
2x651 lm - 4000K/CRI 80
2200K available on request.

Washer

Up / Down / Up&Down

Mid - Power Led
6,4W
453 lm - 2700K/CRI 80
471 lm - 3000K/CRI 80
489 lm - 4000K/CRI 80
2200K available on request.

Mid - Power Led
10,5W
2x453 lm - 2700K/CRI 80
2x471 lm - 3000K/CRI 80
2x489 lm - 4000K/CRI 80
2200K available on request.

Mile Ceiling 1



Mile Ceiling 2



Mile Recessed 1



Power Led
11W
736 lm - 2700K/CRI 80
759 lm - 3000K/CRI 80
791 lm - 4000K/CRI 80
2200K available on request.

Mile Recessed 2



Power Led
15W
1032 lm - 2700K/CRI 80
1344 lm - 3000K/CRI 80
1400 lm - 4000K/CRI 80
2200K available on request.

Mile Bollard
Collezione di paletti luminosi per esterno dal design rigoroso e minimale con sorgente luminosa a LED, abbinabili alle versioni a parete.
Versione bollard monodirezionale o bidirezionale, disponibile in due altezze e in due larghezze in base alla sorgente luminosa e alla potenza richiesta, caratterizzata da una cornice rigorosa in estruso di alluminio senza viti a vista, con base di rialzo a terra per una più semplice e veloce installazione. Le viterie di fissaggio della testa sono in acciaio inox AISI 316L.
Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica per proteggere contro la corrosione.
Il diffusore è in policarbonato trasparente stabilizzato ai raggi UV.
Lo schermo riflettore asimmetrico è in alluminio purissimo, ossidato e brillantato e contiene la sorgente led in posizione arretrata per la riduzione dell'abbagliamento diretto; l'emissione luminosa asimmetrica direzionata verso il basso rende l'apparecchio in linea con le vigenti leggi in materia di inquinamento luminoso.
Le versioni Bollard possono essere installate facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato piastra di ancoraggio per rendere la base del prodotto totalmente solidale con la pavimentazione.

Mile Path
Collezione di apparecchio a parete per uso segnapasso in esterno dal design rigoroso e minimale con sorgente luminosa a LED, abbinabili alle versioni a parete e bollard.
Disponibile in due diverse dimensioni e in differenti finiture con un rivestimento a doppio strato di polveri.
La versione Primer va verniciata dopo l'installazione con normali colorazioni a base acquosa (tempere, stucchi, vernici ad acqua) per garantire la massima integrazione con l'architettura.
Le viterie di fissaggio sono in acciaio inox AISI 316L. Il diffusore è in policarbonato trasparente stabilizzato ai raggi UV.
Lo schermo riflettore asimmetrico è in alluminio verniciato nero per la riduzione dell'abbagliamento diretto dato dalle riflessioni e contiene la sorgente led in posizione arretrata; l'emissione luminosa asimmetrica direzionata verso il basso rende l'apparecchio in linea con le vigenti leggi in materia di inquinamento luminoso.
Staffa di fissaggio a parete inclusa.

Mile Wall
Famiglia completa di apparecchi di illuminazione a parete dal design rigoroso e minimale con sorgente luminosa a LED, caratterizzato da una fascia decorativa in alluminio pressofuso a bassissimo contenuto di rame con buone caratteristiche meccaniche unite ad una buona resistenza alla corrosione data dal trattamento di conversione chimica superficiale.
Disponibile in due diverse dimensioni e in differenti finiture con un rivestimento a doppio strato di polveri.
La versione Primer va verniciata dopo l'installazione con normali colorazioni a base acquosa (tempere, stucchi, vernici ad acqua) per garantire la massima integrazione con l'architettura.
Le viterie di fissaggio sono in acciaio inox AISI 316L. Il diffusore perfettamente complanare alla fascia decorativa è in policarbonato trasparente stabilizzato ai raggi UV.
Lo schermo riflettore asimmetrico è in alluminio purissimo, ossidato e brillantato e contiene la sorgente led in posizione arretrata per la riduzione dell'abbagliamento diretto.
L'ottica asimmetrica è progettata per garantire una vasta gamma di prestazioni luminose e l'utilizzo flessibile in diversi contesti architettonici. Sono disponibili le versioni monoemissione con luce direzionata verso l'alto o verso il basso e le versioni biemissione, ognuna declinata secondo due differenti soluzioni illuminotecniche: per illuminazione focalizzata sul lavaggio luminoso della parete (washer) o per illuminazione asimmetrica ad esempio in caso di porticati o androni con l'utilizzo della versione con luce verso l'alto, dove il soffitto diventa esso stesso diffusore dal massimo comfort. La versione biemissione è disponibile sia con ottiche identiche, sia con ottiche miste asimmetrica + washer.

Mile Ceiling
Collezione di apparecchi a soffitto in esterno dal design rigoroso e minimale con sorgente luminosa a LED, abbinabili alle versioni a parete, bollard e path.
Disponibile in due diverse dimensioni e in differenti finiture con un rivestimento a doppio strato di polveri.
La versione Primer va verniciata dopo l'installazione con normali colorazioni a base acquosa (tempere, stucchi, vernici ad acqua) per garantire la massima integrazione con l'architettura.
Il gruppo ottico è appositamente progettato per garantire il massimo comfort visivo e la riduzione dell'abbagliamento diretto senza rinunciare all'efficienza: la sorgente luminosa è composta da power led arretrati, le lenti in policarbonato trasparente assicurano un fascio di luce controllato e omogeneo, e i riflettori conici in policarbonato nero lucido forniscono una schermatura con angoli di cut-off estremi, il tutto in dimensioni molto ridotte.
Il gruppo ottico è disponibile in quattro aperture di fascio differenziate, permettendone un'ampia gamma di utilizzo e flessibilità nei più vari contesti architettonici: sia nel caso di fasci intensivi che di effetti di luce diffusa, il controllo ottico è sempre eccezionale e la luce spuria è totalmente assente.
Le viterie di fissaggio sono in acciaio inox AISI 316L. Staffa di fissaggio a soffitto inclusa.

Mile Recessed
Collezione di apparecchi a incasso a soffitto in esterno dal design rigoroso e minimale con sorgente luminosa a LED, abbinabili alle versioni a soffitto, parete, bollard e path.
Disponibile in due diverse dimensioni e in differenti finiture con un rivestimento a doppio strato di polveri.
La versione Primer va verniciata dopo l'installazione con normali colorazioni a base acquosa (tempere, stucchi, vernici ad acqua) per garantire la massima integrazione con l'architettura.
Come per le versioni a soffitto, il gruppo ottico è appositamente progettato per garantire il massimo comfort visivo e la riduzione dell'abbagliamento diretto senza rinunciare all'efficienza: la sorgente luminosa è composta da power led arretrati, le lenti in policarbonato trasparente assicurano un fascio di luce controllato e omogeneo, e i riflettori conici in policarbonato nero lucido forniscono una schermatura con angoli di cut-off estremi, il tutto in dimensioni molto ridotte.
Il gruppo ottico è disponibile in quattro aperture di fascio differenziate, permettendone un'ampia gamma di utilizzo e flessibilità nei più vari contesti architettonici: sia nel caso di fasci intensivi che di effetti di luce diffusa, il controllo ottico è sempre eccezionale e la luce spuria è totalmente assente.
L'apparecchio è installabile in controsoffitto mediante molle di fissaggio in dotazione; la cornice di battuta di spessore minimo garantisce la perfetta finitura estetica dell'apparecchio nel soffitto.
Disponibile come accessorio, per soffitti in muratura o in cemento armato, l'apposita cassaforma per gettata in acciaio zincato.

Mile Bollard
Collection of outdoor bollards with a rigorous, minimal design and LED light source that can be combined with wall versions.
Uni- or bi-directional bollard version, available in two heights and widths, based on light source and power requirements.
The rigid frame is made of extruded aluminum with no visible screws, and the base rises above the ground for a quick, simple installation. The head anchoring hardware is made of AISI 316L stainless steel.
Available in various finishes with a double layer of powder coating and chemical conversion treatment to protect it against corrosion.
The diffuser is made of transparent, UV-stabilized polycarbonate.
The asymmetric reflecting screen is made of pure, oxidized and polished aluminum, with LED source in a rear position to reduce direct glare. The downward, asymmetric light emission ensures the luminaire's compliance with existing light pollution laws.
Bollard versions may be easily installed on any flooring on the ground with anchors, or with the dedicated anchoring plate accessory to completely integrate the base of the product with the pavement.

Mile Path
Collection of outdoor wall luminaires with a rigorous, minimal design and LED light source that can be combined with wall and bollard versions.
Available in two sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser is made of transparent, UV-stabilized polycarbonate.
The asymmetric, reflecting screen is made of aluminum painted in black to reduce direct glare from reflections. It holds the LED source in a rear position. The downward, asymmetric light emission ensures the luminaire's compliance with existing light pollution laws.
Wall mounting bracket included.

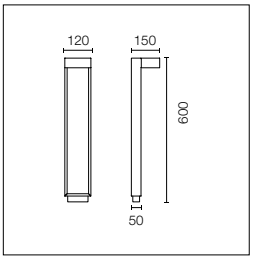
Mile Wall
Complete family of wall luminaires with a rigorous, minimal design with LED light source, a design characterized by a die-cast aluminum trim with very low copper content and good mechanical features combined with good resistance against corrosion thanks to the surface chemical conversion treatment.
Available in two sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The anchoring hardware is made of AISI 316L stainless steel.
The diffuser is perfectly flush with the decorative band and is made of transparent, UV-stabilized polycarbonate.
The asymmetric, reflecting screen is made of pure, oxidized and polished aluminum, with LED source in a rear position to reduce direct glare.
Its asymmetrical optical unit is designed to ensure a wide range of lighting features and flexible use in different architectural settings. Single-emission version directing light upwards or downwards and dual-emission version available.
Each version is available in two different lighting solutions: wall-washer lighting or asymmetric lighting. For instance, by using the version with light directed upwards in porticos or entrance halls, the ceiling itself becomes a diffuser, offering absolute comfort. Dual emission version is available with both identical optical units and mixed, asymmetric + washer optical units.

Mile Ceiling
Outdoor ceiling-mounted lights collection, with a rigorous, minimal design and LED light source that can be combined with wall, bollard and path versions.
Available in two different sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The optical unit is specifically designed to ensure maximum visual comfort and direct glare reduction without compromising overall efficiency: the light source comprises rear power LEDs; its transparent polycarbonate lenses ensure a controlled and homogeneous beam of light; and the glossy black polycarbonate cone reflectors provide an extreme, sharp-angled screening, all in a small footprint.
The optical unit is available in four different beam angles, allowing a wide range of uses and flexibility in the most varied architectural settings: both in the case of intense beams and diffuse light effects, optical control is always exceptional and spurious light is totally absent.
The anchoring hardware is made of AISI 316L stainless steel.
Ceiling mounting bracket included.

Mile Recessed
Collection of outdoor, ceiling-mounted, recessed lights with a rigorous, minimal design and LED light source that can be combined with ceiling, wall, bollard and path versions.
Available in two different sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
As in ceiling versions, the optical unit is specifically designed to ensure maximum visual comfort and direct glare reduction without compromising overall efficiency: the light source comprises rear power LEDs; its transparent polycarbonate lenses ensure a controlled and homogeneous beam of light; and the glossy black polycarbonate cone reflectors provide an extreme, sharp-angled screening, all in a small footprint.
The optical unit is available in four different beam angles, allowing a wide range of uses and flexibility in the most varied architectural settings: both in the case of intense beams and diffuse light effects, optical control is always exceptional and spurious light is totally absent.
The luminaire can be installed in a drop ceiling using the supplied springs. The minimal thickness of the stop frame allows a perfect, aesthetic finish of the luminaire in the ceiling.
The accessory box for installation in galvanized steel for concreting is available for brick or reinforced concrete ceilings.

Mile Bollard 1 600 Mono





IP 65 · IK 07 · 2 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

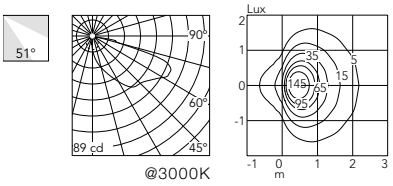
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

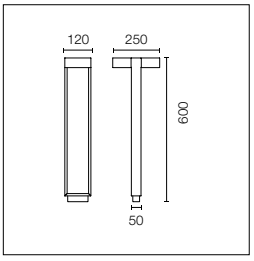
2700K	3000K	4000K
○ F015G21A001	○ F015G31A001	○ F015G41A001
● F015G21A006	● F015G31A006	● F015G41A006
● F015G21A012	● F015G31A012	● F015G41A012
● F015G21A018	● F015G31A018	● F015G41A018
● F015G21A030	● F015G31A030	● F015G41A030
● F015G21A033	● F015G31A033	● F015G41A033



@3000K

Mile Bollard 1 600 Double





IP 65 · IK 07 · 2,5 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

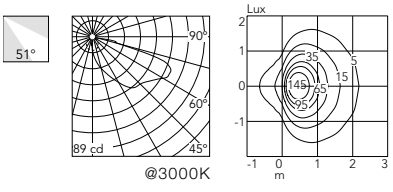
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 9,8W - 2x427 lm ≠ FIXT 2x283 lm - 2700K/CRI 80 - 220-240V / 9,8W - 2x445 lm ≠ FIXT 2x294 lm - 3000K/CRI 80 - 220-240V / 9,8W - 2x462 lm ≠ FIXT 2x305 lm - 4000K/CRI 80 - 220-240V

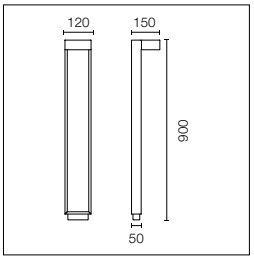
2700K	3000K	4000K
○ F015G22A001	○ F015G32A001	○ F015G42A001
● F015G22A006	● F015G32A006	● F015G42A006
● F015G22A012	● F015G32A012	● F015G42A012
● F015G22A018	● F015G32A018	● F015G42A018
● F015G22A030	● F015G32A030	● F015G42A030
● F015G22A033	● F015G32A033	● F015G42A033



@3000K

Mile Bollard 1 900 Mono





IK 07 | IP 65 | 2,7 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

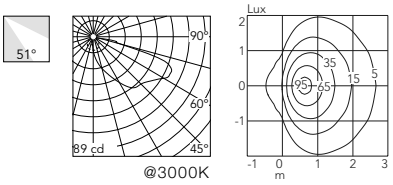
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

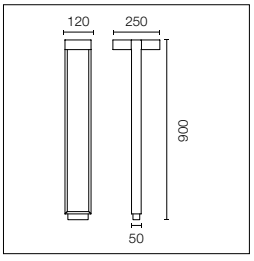
Mid - Power Led: 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ F015H21A001	○ F015H31A001	○ F015H41A001
● F015H21A006	● F015H31A006	● F015H41A006
● F015H21A012	● F015H31A012	● F015H41A012
● F015H21A018	● F015H31A018	● F015H41A018
● F015H21A030	● F015H31A030	● F015H41A030
● F015H21A033	● F015H31A033	● F015H41A033



Mile Bollard 1 900 Double





IK 07 | IP 65 | 3,2 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

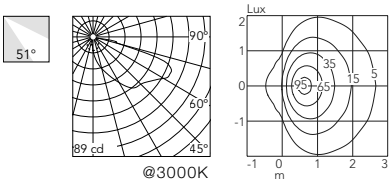
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

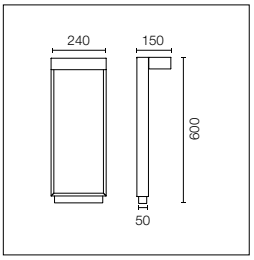
Mid - Power Led: 9,8W - 2x427 lm ≠ FIXT 2x283 lm - 2700K/CRI 80 - 220-240V / 9,8W - 2x445 lm ≠ FIXT 2x294 lm - 3000K/CRI 80 - 220-240V / 9,8W - 2x462 lm ≠ FIXT 2x305 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ F015H22A001	○ F015H32A001	○ F015H42A001
● F015H22A006	● F015H32A006	● F015H42A006
● F015H22A012	● F015H32A012	● F015H42A012
● F015H22A018	● F015H32A018	● F015H42A018
● F015H22A030	● F015H32A030	● F015H42A030
● F015H22A033	● F015H32A033	● F015H42A033



Mile Bollard 2 600 Mono





IP 65 · IK 07 · 3,3 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- F015J21A001
- F015J21A006
- F015J21A012
- F015J21A018
- F015J21A030
- F015J21A033

1-10V

- F015J21B001
- F015J21B006
- F015J21B012
- F015J21B018
- F015J21B030
- F015J21B033

Dali

- F015J21D001
- F015J21D006
- F015J21D012
- F015J21D018
- F015J21D030
- F015J21D033

3000K

Non Dimmable

- F015J31A001
- F015J31A006
- F015J31A012
- F015J31A018
- F015J31A030
- F015J31A033

1-10V

- F015J31B001
- F015J31B006
- F015J31B012
- F015J31B018
- F015J31B030
- F015J31B033

Dali

- F015J31D001
- F015J31D006
- F015J31D012
- F015J31D018
- F015J31D030
- F015J31D033

4000K

Non Dimmable

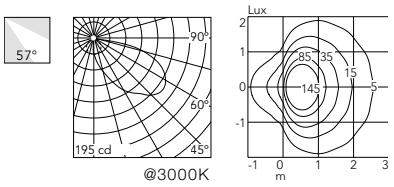
- F015J41A001
- F015J41A006
- F015J41A012
- F015J41A018
- F015J41A030
- F015J41A033

1-10V

- F015J41B001
- F015J41B006
- F015J41B012
- F015J41B018
- F015J41B030
- F015J41B033

Dali

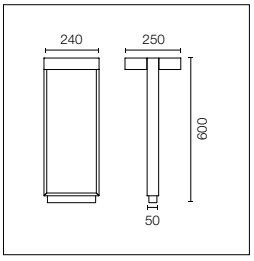
- F015J41D001
- F015J41D006
- F015J41D012
- F015J41D018
- F015J41D030
- F015J41D033



@3000K

Mile Bollard 2 600 Double





IP 65 · IK 07 · 4,1 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 15,6W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 15,6W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 15,6W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015J22A001
- F015J22A006
- F015J22A012
- F015J22A018
- F015J22A030
- F015J22A033

1-10V
- F015J22B001
- F015J22B006
- F015J22B012
- F015J22B018
- F015J22B030
- F015J22B033

Dali
- F015J22D001
- F015J22D006
- F015J22D012
- F015J22D018
- F015J22D030
- F015J22D033

3000K

Non Dimmable
- F015J32A001
- F015J32A006
- F015J32A012
- F015J32A018
- F015J32A030
- F015J32A033

1-10V
- F015J32B001
- F015J32B006
- F015J32B012
- F015J32B018
- F015J32B030
- F015J32B033

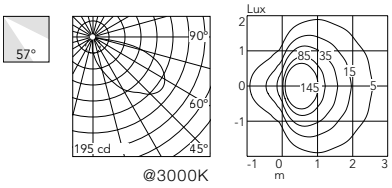
Dali
- F015J32D001
- F015J32D006
- F015J32D012
- F015J32D018
- F015J32D030
- F015J32D033

4000K

Non Dimmable
- F015J42A001
- F015J42A006
- F015J42A012
- F015J42A018
- F015J42A030
- F015J42A033

1-10V
- F015J42B001
- F015J42B006
- F015J42B012
- F015J42B018
- F015J42B030
- F015J42B033

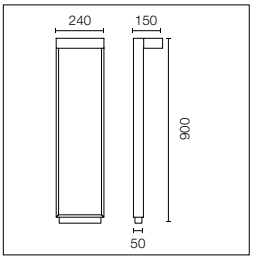
Dali
- F015J42D001
- F015J42D006
- F015J42D012
- F015J42D018
- F015J42D030
- F015J42D033



@3000K

Mile Bollard 2 900 Mono





IP 65 · IK 07 · 4 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V e DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable

- ○ F015K21A001
- ● F015K21A006
- ● F015K21A012
- ● F015K21A018
- ● F015K21A030
- ● F015K21A033

1-10V

- ○ F015K21B001
- ● F015K21B006
- ● F015K21B012
- ● F015K21B018
- ● F015K21B030
- ● F015K21B033

Dali

- ○ F015K21D001
- ● F015K21D006
- ● F015K21D012
- ● F015K21D018
- ● F015K21D030
- ● F015K21D033

3000K

Non Dimmable

- ○ F015K31A001
- ● F015K31A006
- ● F015K31A012
- ● F015K31A018
- ● F015K31A030
- ● F015K31A033

1-10V

- ○ F015K31B001
- ● F015K31B006
- ● F015K31B012
- ● F015K31B018
- ● F015K31B030
- ● F015K31B033

Dali

- ○ F015K31D001
- ● F015K31D006
- ● F015K31D012
- ● F015K31D018
- ● F015K31D030
- ● F015K31D033

4000K

Non Dimmable

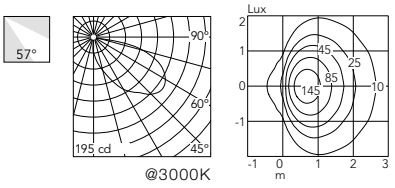
- ○ F015K41A001
- ● F015K41A006
- ● F015K41A012
- ● F015K41A018
- ● F015K41A030
- ● F015K41A033

1-10V

- ○ F015K41B001
- ● F015K41B006
- ● F015K41B012
- ● F015K41B018
- ● F015K41B030
- ● F015K41B033

Dali

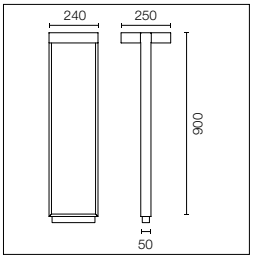
- ○ F015K41D001
- ● F015K41D006
- ● F015K41D012
- ● F015K41D018
- ● F015K41D030
- ● F015K41D033



@3000K

Mile Bollard 2 900 Double





IP 65 · 4,8 Kg · IK 07 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF E DIMMERABILE 1-10V E DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Mid - Power Led: 15,6W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 15,6W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 15,6W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015K22A001
- F015K22A006
- F015K22A012
- F015K22A018
- F015K22A030
- F015K22A033

1-10V
- F015K22B001
- F015K22B006
- F015K22B012
- F015K22B018
- F015K22B030
- F015K22B033

Dali
- F015K22D001
- F015K22D006
- F015K22D012
- F015K22D018
- F015K22D030
- F015K22D033

3000K

Non Dimmable
- F015K32A001
- F015K32A006
- F015K32A012
- F015K32A018
- F015K32A030
- F015K32A033

1-10V
- F015K32B001
- F015K32B006
- F015K32B012
- F015K32B018
- F015K32B030
- F015K32B033

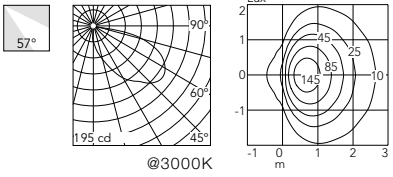
Dali
- F015K32D001
- F015K32D006
- F015K32D012
- F015K32D018
- F015K32D030
- F015K32D033

4000K

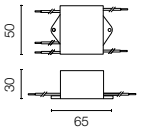
Non Dimmable
- F015K42A001
- F015K42A006
- F015K42A012
- F015K42A018
- F015K42A030
- F015K42A033

1-10V
- F015K42B001
- F015K42B006
- F015K42B012
- F015K42B018
- F015K42B030
- F015K42B033

Dali
- F015K42D001
- F015K42D006
- F015K42D012
- F015K42D018
- F015K42D030
- F015K42D033

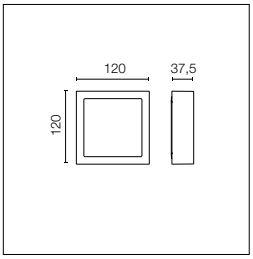


Mile Bollard: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	Bollard 1 F015Z000000	
Piastra tirafondi.	Base plate with bolt.	Bollard 2 F015Z010000	
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	 

Mile Path 1





IP 66 · IK 10 · 0,5 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata.
Dotato di doppio passacavo per collegamento entra-esci.
Staffa di fissaggio inclusa.

2200K disponibile su richiesta.

LED light source included. Integrated 220–240 V ON/OFF electrical power.
Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

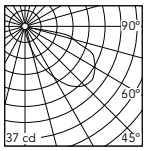
2200K available on request.

Mid - Power Led: 4,9W - 422 lm ≠ FIXT 100 lm - 2700K/CRI>80 - 220-240V / 4,9W - 439 lm ≠ FIXT 104 lm - 3000K/CRI>80 - 220-240V / 4,9W - 456 lm ≠ FIXT 108 lm - 4000/CRI>80 - 220-240V

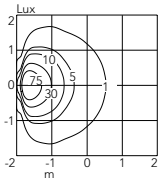
2700K
- F015L20A000
- F015L20A001
- F015L20A006
- F015L20A012
- F015L20A018
- F015L20A030
- F015L20A033

3000K
- F015L30A000
- F015L30A001
- F015L30A006
- F015L30A012
- F015L30A018
- F015L30A030
- F015L30A033

4000K
- F015L40A000
- F015L40A001
- F015L40A006
- F015L40A012
- F015L40A018
- F015L40A030
- F015L40A033



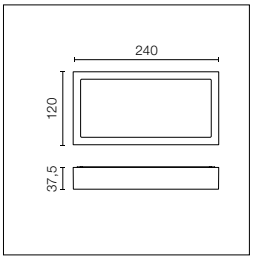
@3000K



* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Mile Path 2





IP 66 · 0,8 Kg · IK 10 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata e dimmarabile 1-10V o DALI integrata.
Dotata di passacavo per collegamento di sicurezza a tenuta IP. Staffa di fissaggio inclusa.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with a cable gland for safety connection with IP tightness. Fixing bracket included.

2200K available on request.

Mid - Power Led: 7,6W - 818 lm≠ FIXT 172 lm - 2700K/CRI>80 - 220-240V / 7,6W - 850 lm ≠ FIXT 179 lm - 3000K/CRI>80 - 220-240V / 7,6W - 883 lm ≠ FIXT 186 lm - 4000/CRI>80 - 220-240V

2700K

Non Dimmable
- F015M20A000
- F015M20A001
- F015M20A006
- F015M20A012
- F015M20A018
- F015M20A030
- F015M20A033

1-10V
- F015M20B000
- F015M20B001
- F015M20B006
- F015M20B012
- F015M20B018
- F015M20B030
- F015M20B033

Dali
- F015M20D000
- F015M20D001
- F015M20D006
- F015M20D012
- F015M20D018
- F015M20D030
- F015M20D033

3000K

Non Dimmable
- F015M30A000
- F015M30A001
- F015M30A006
- F015M30A012
- F015M30A018
- F015M30A030
- F015M30A033

1-10V
- F015M30B000
- F015M30B001
- F015M30B006
- F015M30B012
- F015M30B018
- F015M30B030
- F015M30B033

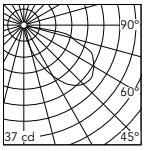
Dali
- F015M30D000
- F015M30D001
- F015M30D006
- F015M30D012
- F015M30D018
- F015M30D030
- F015M30D033

4000K

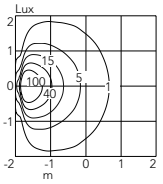
Non Dimmable
- F015M40A000
- F015M40A001
- F015M40A006
- F015M40A012
- F015M40A018
- F015M40A030
- F015M40A033

1-10V
- F015M40B000
- F015M40B001
- F015M40B006
- F015M40B012
- F015M40B018
- F015M40B030
- F015M40B033

Dali
- F015M40D000
- F015M40D001
- F015M40D006
- F015M40D012
- F015M40D018
- F015M40D030
- F015M40D033



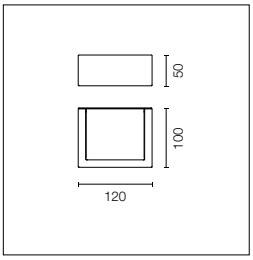
@3000K



* Dati tecnici e fotometrie preliminari. / Preliminary technical specs and photometries.

Mile Wall 1 Asymmetric Up





IP 65 · 0,5 Kg · IK 07 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

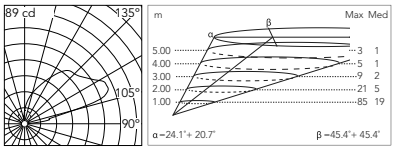
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

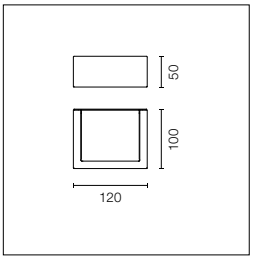
2700K	3000K	4000K
○ F015A21A000	○ F015A31A000	○ F015A41A000
○ F015A21A001	○ F015A31A001	○ F015A41A001
● F015A21A006	● F015A31A006	● F015A41A006
● F015A21A012	● F015A31A012	● F015A41A012
● F015A21A018	● F015A31A018	● F015A41A018
● F015A21A030	● F015A31A030	● F015A41A030
● F015A21A033	● F015A31A033	● F015A41A033



@3000K

Mile Wall 1 Asymmetric Down





IP 65 · 0,5 Kg · IK 07 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

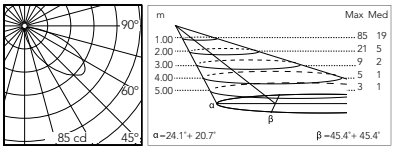
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

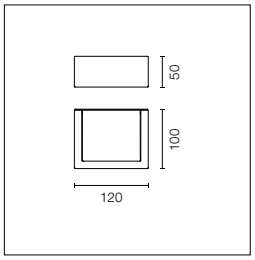
2700K	3000K	4000K
○ F015A22A000	○ F015A32A000	○ F015A42A000
○ F015A22A001	○ F015A32A001	○ F015A42A001
● F015A22A006	● F015A32A006	● F015A42A006
● F015A22A012	● F015A32A012	● F015A42A012
● F015A22A018	● F015A32A018	● F015A42A018
● F015A22A030	● F015A32A030	● F015A42A030
● F015A22A033	● F015A32A033	● F015A42A033



@3000K

Mile Wall 1 Washer Up





IP 65 · IK 07 · 0,5 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

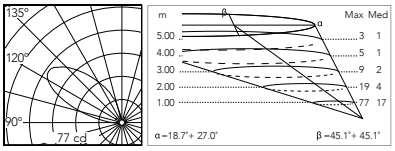
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 4,9W - 427 lm ≠ FIXT 291 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 314 lm - 4000K/CRI 80 - 220-240V

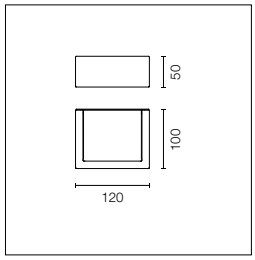
2700K	3000K	4000K
○ F015B21A000	○ F015B31A000	○ F015B41A000
○ F015B21A001	○ F015B31A001	○ F015B41A001
● F015B21A006	● F015B31A006	● F015B41A006
● F015B21A012	● F015B31A012	● F015B41A012
● F015B21A018	● F015B31A018	● F015B41A018
● F015B21A030	● F015B31A030	● F015B41A030
● F015B21A033	● F015B31A033	● F015B41A033



@3000K

Mile Wall 1 Washer Down





IP 65 · IK 07 · 0,5 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

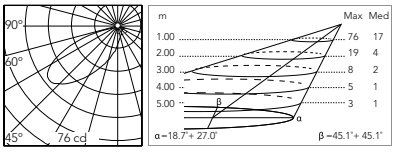
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 4,9W - 427 lm ≠ FIXT 291 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 314 lm - 4000K/CRI 80 - 220-240V

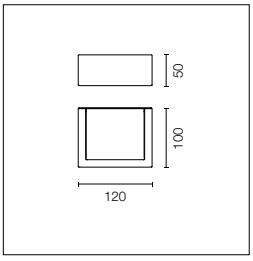
2700K	3000K	4000K
○ F015B22A000	○ F015B32A000	○ F015B42A000
○ F015B22A001	○ F015B32A001	○ F015B42A001
● F015B22A006	● F015B32A006	● F015B42A006
● F015B22A012	● F015B32A012	● F015B42A012
● F015B22A018	● F015B32A018	● F015B42A018
● F015B22A030	● F015B32A030	● F015B42A030
● F015B22A033	● F015B32A033	● F015B42A033



@3000K

Mile Wall 1 Asymmetric Up & Down





IP 65 · 0,5 Kg · LED INCL · IK 07

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

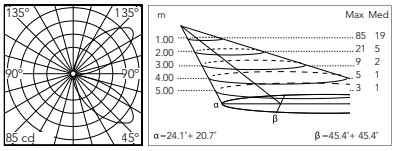
2200K available on request.

Mid - Power Led: 8,1W - 2x427 lm ≠ FIXT 2x291 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 2x303 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 2x314 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F015A23A000
- ○ F015A23A001
- ● F015A23A006
- ● F015A23A012
- ● F015A23A018
- ● F015A23A030
- ● F015A23A033

3000K
- ○ F015A33A000
- ○ F015A33A001
- ● F015A33A006
- ● F015A33A012
- ● F015A33A018
- ● F015A33A030
- ● F015A33A033

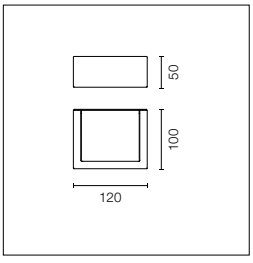
4000K
- ○ F015A43A000
- ○ F015A43A001
- ● F015A43A006
- ● F015A43A012
- ● F015A43A018
- ● F015A43A030
- ● F015A43A033



@3000K

Mile Wall 1 Washer Up & Down





IP 65 · 0,5 Kg · LED INCL · IK 07

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

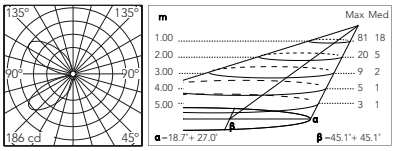
2200K available on request.

Mid - Power Led: 8,1W - 2x427 lm ≠ FIXT 2x291 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 2x303 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 2x314 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F015B23A000
- ○ F015B23A001
- ● F015B23A006
- ● F015B23A012
- ● F015B23A018
- ● F015B23A030
- ● F015B23A033

3000K
- ○ F015B33A000
- ○ F015B33A001
- ● F015B33A006
- ● F015B33A012
- ● F015B33A018
- ● F015B33A030
- ● F015B33A033

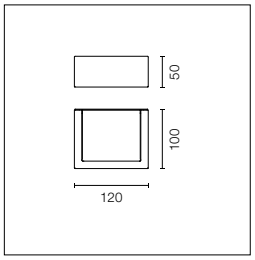
4000K
- ○ F015B43A000
- ○ F015B43A001
- ● F015B43A006
- ● F015B43A012
- ● F015B43A018
- ● F015B43A030
- ● F015B43A033



@3000K

Mile Wall 1 Washer Down + Asymmetric Up





IP 65 · IK 07 · 0,5 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

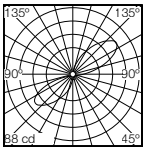
2200K available on request.

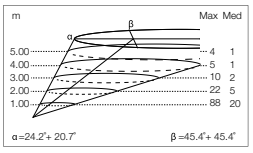
Mid - Power Led: 8,1W - 2x427 lm ≠ FIXT 291+283 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 303+294 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 314+305 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F015C24A000
- ○ F015C24A001
- ● F015C24A006
- ● F015C24A012
- ● F015C24A018
- ● F015C24A030
- ● F015C24A033

3000K
- ○ F015C34A000
- ○ F015C34A001
- ● F015C34A006
- ● F015C34A012
- ● F015C34A018
- ● F015C34A030
- ● F015C34A033

4000K
- ○ F015C44A000
- ○ F015C44A001
- ● F015C44A006
- ● F015C44A012
- ● F015C44A018
- ● F015C44A030
- ● F015C44A033

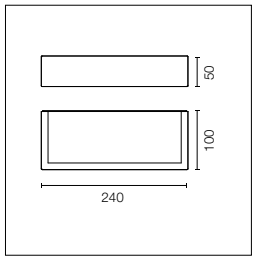




@3000K

Mile Wall 2 Asymmetric Up





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F015D21A000
- ○ F015D21A001
- ● F015D21A006
- ● F015D21A012
- ● F015D21A018
- ● F015D21A030
- ● F015D21A033

1-10V
- ○ F015D21B000
- ○ F015D21B001
- ● F015D21B006
- ● F015D21B012
- ● F015D21B018
- ● F015D21B030
- ● F015D21B033

Dali
- ○ F015D21D000
- ○ F015D21D001
- ● F015D21D006
- ● F015D21D012
- ● F015D21D018
- ● F015D21D030
- ● F015D21D033

3000K
Non Dimmable
- ○ F015D31A000
- ○ F015D31A001
- ● F015D31A006
- ● F015D31A012
- ● F015D31A018
- ● F015D31A030
- ● F015D31A033

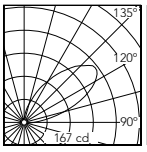
1-10V
- ○ F015D31B000
- ○ F015D31B001
- ● F015D31B006
- ● F015D31B012
- ● F015D31B018
- ● F015D31B030
- ● F015D31B033

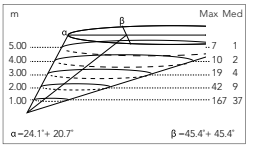
Dali
- ○ F015D31D000
- ○ F015D31D001
- ● F015D31D006
- ● F015D31D012
- ● F015D31D018
- ● F015D31D030
- ● F015D31D033

4000K
Non Dimmable
- ○ F015D41A000
- ○ F015D41A001
- ● F015D41A006
- ● F015D41A012
- ● F015D41A018
- ● F015D41A030
- ● F015D41A033

1-10V
- ○ F015D41B000
- ○ F015D41B001
- ● F015D41B006
- ● F015D41B012
- ● F015D41B018
- ● F015D41B030
- ● F015D41B033

Dali
- ○ F015D41D000
- ○ F015D41D001
- ● F015D41D006
- ● F015D41D012
- ● F015D41D018
- ● F015D41D030
- ● F015D41D033

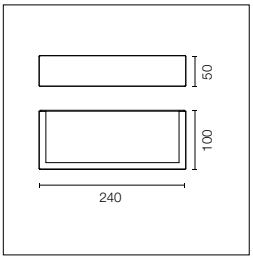




@3000K

Mile Wall 2 Asymmetric Down





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F015D22A000
- ○ F015D22A001
- ● F015D22A006
- ● F015D22A012
- ● F015D22A018
- ● F015D22A030
- ● F015D22A033

1-10V
- ○ F015D22B000
- ○ F015D22B001
- ● F015D22B006
- ● F015D22B012
- ● F015D22B018
- ● F015D22B030
- ● F015D22B033

Dali
- ○ F015D22D000
- ○ F015D22D001
- ● F015D22D006
- ● F015D22D012
- ● F015D22D018
- ● F015D22D030
- ● F015D22D033

3000K

Non Dimmable
- ○ F015D32A000
- ○ F015D32A001
- ● F015D32A006
- ● F015D32A012
- ● F015D32A018
- ● F015D32A030
- ● F015D32A033

1-10V
- ○ F015D32B000
- ○ F015D32B001
- ● F015D32B006
- ● F015D32B012
- ● F015D32B018
- ● F015D32B030
- ● F015D32B033

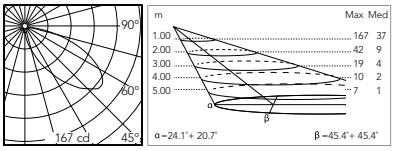
Dali
- ○ F015D32D000
- ○ F015D32D001
- ● F015D32D006
- ● F015D32D012
- ● F015D32D018
- ● F015D32D030
- ● F015D32D033

4000K

Non Dimmable
- ○ F015D42A000
- ○ F015D42A001
- ● F015D42A006
- ● F015D42A012
- ● F015D42A018
- ● F015D42A030
- ● F015D42A033

1-10V
- ○ F015D42B000
- ○ F015D42B001
- ● F015D42B006
- ● F015D42B012
- ● F015D42B018
- ● F015D42B030
- ● F015D42B033

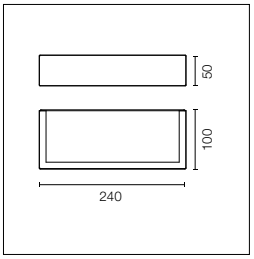
Dali
- ○ F015D42D000
- ○ F015D42D001
- ● F015D42D006
- ● F015D42D012
- ● F015D42D018
- ● F015D42D030
- ● F015D42D033



@3000K

Mile Wall 2 Washer Up





IP 65 · 0,8 Kg · IK 07 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 6,4W - 661 lm ≠ FIXT 453 lm - 2700K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 471 lm - 3000K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 489 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015E21A000
- F015E21A001
- F015E21A006
- F015E21A012
- F015E21A018
- F015E21A030
- F015E21A033

1-10V
- F015E21B000
- F015E21B001
- F015E21B006
- F015E21B012
- F015E21B018
- F015E21B030
- F015E21B033

Dali
- F015E21D000
- F015E21D001
- F015E21D006
- F015E21D012
- F015E21D018
- F015E21D030
- F015E21D033

3000K

Non Dimmable
- F015E31A000
- F015E31A001
- F015E31A006
- F015E31A012
- F015E31A018
- F015E31A030
- F015E31A033

1-10V
- F015E31B000
- F015E31B001
- F015E31B006
- F015E31B012
- F015E31B018
- F015E31B030
- F015E31B033

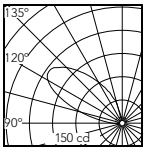
Dali
- F015E31D000
- F015E31D001
- F015E31D006
- F015E31D012
- F015E31D018
- F015E31D030
- F015E31D033

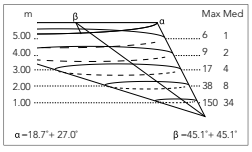
4000K

Non Dimmable
- F015E41A000
- F015E41A001
- F015E41A006
- F015E41A012
- F015E41A018
- F015E41A030
- F015E41A033

1-10V
- F015E41B000
- F015E41B001
- F015E41B006
- F015E41B012
- F015E41B018
- F015E41B030
- F015E41B033

Dali
- F015E41D000
- F015E41D001
- F015E41D006
- F015E41D012
- F015E41D018
- F015E41D030
- F015E41D033

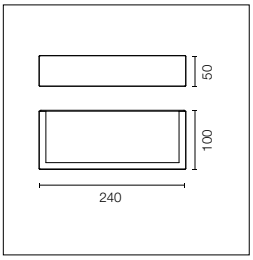




@3000K

Mile Wall 2 Washer Down





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 6,4W - 661 lm ≠ FIXT 453 lm - 2700K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 471 lm - 3000K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 489 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015E22A000
- F015E22A001
- F015E22A006
- F015E22A012
- F015E22A018
- F015E22A030
- F015E22A033

1-10V
- F015E22B000
- F015E22B001
- F015E22B006
- F015E22B012
- F015E22B018
- F015E22B030
- F015E22B033

Dali
- F015E22D000
- F015E22D001
- F015E22D006
- F015E22D012
- F015E22D018
- F015E22D030
- F015E22D033

3000K

Non Dimmable
- F015E32A000
- F015E32A001
- F015E32A006
- F015E32A012
- F015E32A018
- F015E32A030
- F015E32A033

1-10V
- F015E32B000
- F015E32B001
- F015E32B006
- F015E32B012
- F015E32B018
- F015E32B030
- F015E32B033

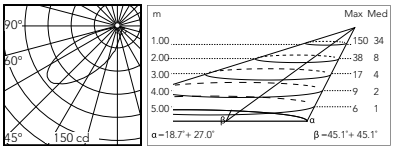
Dali
- F015E32D000
- F015E32D001
- F015E32D006
- F015E32D012
- F015E32D018
- F015E32D030
- F015E32D033

4000K

Non Dimmable
- F015E42A000
- F015E42A001
- F015E42A006
- F015E42A012
- F015E42A018
- F015E42A030
- F015E42A033

1-10V
- F015E42B000
- F015E42B001
- F015E42B006
- F015E42B012
- F015E42B018
- F015E42B030
- F015E42B033

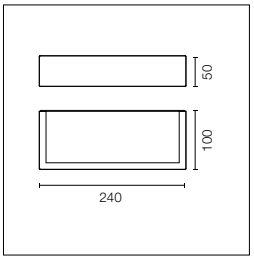
Dali
- F015E42D000
- F015E42D001
- F015E42D006
- F015E42D012
- F015E42D018
- F015E42D030
- F015E42D033



@3000K

Mile Wall 2 Asymmetric Up & Down





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 13,5W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 13,5W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 13,5W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015D23A000
- F015D23A001
- F015D23A006
- F015D23A012
- F015D23A018
- F015D23A030
- F015D23A033

1-10V
- F015D23B000
- F015D23B001
- F015D23B006
- F015D23B012
- F015D23B018
- F015D23B030
- F015D23B033

Dali
- F015D23D000
- F015D23D001
- F015D23D006
- F015D23D012
- F015D23D018
- F015D23D030
- F015D23D033

3000K

Non Dimmable
- F015D33A000
- F015D33A001
- F015D33A006
- F015D33A012
- F015D33A018
- F015D33A030
- F015D33A033

1-10V
- F015D33B000
- F015D33B001
- F015D33B006
- F015D33B012
- F015D33B018
- F015D33B030
- F015D33B033

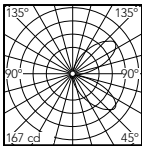
Dali
- F015D33D000
- F015D33D001
- F015D33D006
- F015D33D012
- F015D33D018
- F015D33D030
- F015D33D033

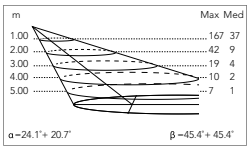
4000K

Non Dimmable
- F015D43A000
- F015D43A001
- F015D43A006
- F015D43A012
- F015D43A018
- F015D43A030
- F015D43A033

1-10V
- F015D43B000
- F015D43B001
- F015D43B006
- F015D43B012
- F015D43B018
- F015D43B030
- F015D43B033

Dali
- F015D43D000
- F015D43D001
- F015D43D006
- F015D43D012
- F015D43D018
- F015D43D030
- F015D43D033

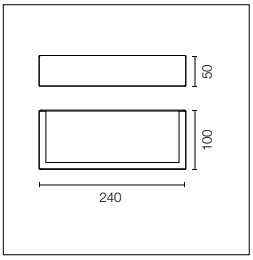




@3000K

Mile Wall 2 Washer Up & Down





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 10,5W - 2x661 lm ≠ FIXT 2x453 lm - 2700K/CRI 80 - 220-240V / 10,5W - 2x714 lm ≠ FIXT 2x471 lm - 3000K/CRI 80 - 220-240V / 10,5W - 2x714 lm ≠ FIXT 2x489 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F015E23A000
- ○ F015E23A001
- ● F015E23A006
- ● F015E23A012
- ● F015E23A018
- ● F015E23A030
- ● F015E23A033

1-10V
- ○ F015E23B000
- ○ F015E23B001
- ● F015E23B006
- ● F015E23B012
- ● F015E23B018
- ● F015E23B030
- ● F015E23B033

Dali
- ○ F015E23D000
- ○ F015E23D001
- ● F015E23D006
- ● F015E23D012
- ● F015E23D018
- ● F015E23D030
- ● F015E23D033

3000K

Non Dimmable
- ○ F015E33A000
- ○ F015E33A001
- ● F015E33A006
- ● F015E33A012
- ● F015E33A018
- ● F015E33A030
- ● F015E33A033

1-10V
- ○ F015E33B000
- ○ F015E33B001
- ● F015E33B006
- ● F015E33B012
- ● F015E33B018
- ● F015E33B030
- ● F015E33B033

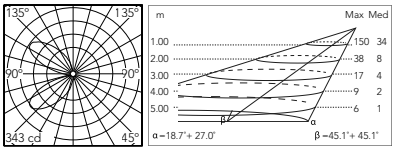
Dali
- ○ F015E33D000
- ○ F015E33D001
- ● F015E33D006
- ● F015E33D012
- ● F015E33D018
- ● F015E33D030
- ● F015E33D033

4000K

Non Dimmable
- ○ F015E43A000
- ○ F015E43A001
- ● F015E43A006
- ● F015E43A012
- ● F015E43A018
- ● F015E43A030
- ● F015E43A033

1-10V
- ○ F015E43B000
- ○ F015E43B001
- ● F015E43B006
- ● F015E43B012
- ● F015E43B018
- ● F015E43B030
- ● F015E43B033

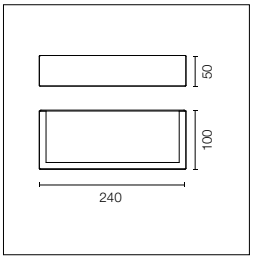
Dali
- ○ F015E43D000
- ○ F015E43D001
- ● F015E43D006
- ● F015E43D012
- ● F015E43D018
- ● F015E43D030
- ● F015E43D033



@3000K

Mile Wall 2 Washer Down + Asymmetric Up





IP 65 · IK 07 · 0,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Dotato di doppio passacavo per collegamento entra-esci.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Mid - Power Led: 12W - 661+838 lm ≠ FIXT 453+603 lm - 2700K/CRI 80 - 220-240V / 12W - 2714+872 lm ≠ FIXT 471+627 lm - 3000K/CRI 80 - 220-240V / 12W - 714+905 lm ≠ FIXT 489+651 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F015F24A000
- F015F24A001
- F015F24A006
- F015F24A012
- F015F24A018
- F015F24A030
- F015F24A033

1-10V
- F015F24B000
- F015F24B001
- F015F24B006
- F015F24B012
- F015F24B018
- F015F24B030
- F015F24B033

Dali
- F015F24D000
- F015F24D001
- F015F24D006
- F015F24D012
- F015F24D018
- F015F24D030
- F015F24D033

3000K

Non Dimmable
- F015F34A000
- F015F34A001
- F015F34A006
- F015F34A012
- F015F34A018
- F015F34A030
- F015F34A033

1-10V
- F015F34B000
- F015F34B001
- F015F34B006
- F015F34B012
- F015F34B018
- F015F34B030
- F015F34B033

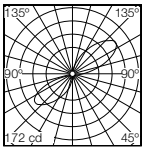
Dali
- F015F34D000
- F015F34D001
- F015F34D006
- F015F34D012
- F015F34D018
- F015F34D030
- F015F34D033

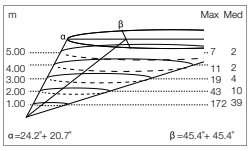
4000K

Non Dimmable
- F015F44A000
- F015F44A001
- F015F44A006
- F015F44A012
- F015F44A018
- F015F44A030
- F015F44A033

1-10V
- F015F44B000
- F015F44B001
- F015F44B006
- F015F44B012
- F015F44B018
- F015F44B030
- F015F44B033

Dali
- F015F44D000
- F015F44D001
- F015F44D006
- F015F44D012
- F015F44D018
- F015F44D030
- F015F44D033

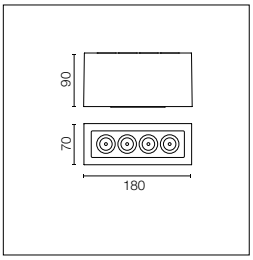




@3000K

Mile Ceiling 1





IP 66 · IK 08 · 1 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata e dimmarabile 1-10V o DALI integrata.
Dotato di doppio passacavo per collegamento entra-esci.
Staffa di fissaggio inclusa.

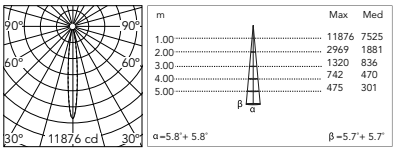
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

2200K available on request.

Power Led: 11W - 994 lm ≠ *FIXT 736 lm - 2700K/CRI>80 - 220-240V / 11W - 1030 lm ≠ *FIXT 759 lm - 3000K/CRI>80 - 220-240V / 11W - 1067 lm ≠ *FIXT 791 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

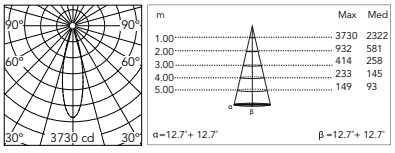
Optic Spot



@3000K

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F030A21A000	○ F030A31A000	○ F030A41A000
○ F030A21A001	○ F030A31A001	○ F030A41A001
● F030A21A006	● F030A31A006	● F030A41A006
● F030A21A012	● F030A31A012	● F030A41A012
● F030A21A018	● F030A31A018	● F030A41A018
● F030A21A030	● F030A31A030	● F030A41A030
● F030A21A033	● F030A31A033	● F030A41A033
1-10V	1-10V	1-10V
○ F030A21B000	○ F030A31B000	○ F030A41B000
○ F030A21B001	○ F030A31B001	○ F030A41B001
● F030A21B006	● F030A31B006	● F030A41B006
● F030A21B012	● F030A31B012	● F030A41B012
● F030A21B018	● F030A31B018	● F030A41B018
● F030A21B030	● F030A31B030	● F030A41B030
● F030A21B033	● F030A31B033	● F030A41B033
Dali	Dali	Dali
○ F030A21D000	○ F030A31D000	○ F030A41D000
○ F030A21D001	○ F030A31D001	○ F030A41D001
● F030A21D006	● F030A31D006	● F030A41D006
● F030A21D012	● F030A31D012	● F030A41D012
● F030A21D018	● F030A31D018	● F030A41D018
● F030A21D030	● F030A31D030	● F030A41D030
● F030A21D033	● F030A31D033	● F030A41D033

Optic Medium



@3000K

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F030A22A000	○ F030A32A000	○ F030A42A000
○ F030A22A001	○ F030A32A001	○ F030A42A001
● F030A22A006	● F030A32A006	● F030A42A006
● F030A22A012	● F030A32A012	● F030A42A012
● F030A22A018	● F030A32A018	● F030A42A018
● F030A22A030	● F030A32A030	● F030A42A030
● F030A22A033	● F030A32A033	● F030A42A033
1-10V	1-10V	1-10V
○ F030A22B000	○ F030A32B000	○ F030A42B000
○ F030A22B001	○ F030A32B001	○ F030A42B001
● F030A22B006	● F030A32B006	● F030A42B006
● F030A22B012	● F030A32B012	● F030A42B012
● F030A22B018	● F030A32B018	● F030A42B018
● F030A22B030	● F030A32B030	● F030A42B030
● F030A22B033	● F030A32B033	● F030A42B033
Dali	Dali	Dali
○ F030A22D000	○ F030A32D000	○ F030A42D000
○ F030A22D001	○ F030A32D001	○ F030A42D001
● F030A22D006	● F030A32D006	● F030A42D006
● F030A22D012	● F030A32D012	● F030A42D012
● F030A22D018	● F030A32D018	● F030A42D018
● F030A22D030	● F030A32D030	● F030A42D030
● F030A22D033	● F030A32D033	● F030A42D033

Optic Flood

2700K

Non Dimmable

- ○ F030A23A000
- ○ F030A23A001
- ● F030A23A006
- ● F030A23A012
- ● F030A23A018
- ● F030A23A030
- ● F030A23A033

1-10V

- ○ F030A23B000
- ○ F030A23B001
- ● F030A23B006
- ● F030A23B012
- ● F030A23B018
- ● F030A23B030
- ● F030A23B033

Dali

- ○ F030A23D000
- ○ F030A23D001
- ● F030A23D006
- ● F030A23D012
- ● F030A23D018
- ● F030A23D030
- ● F030A23D033

3000K

Non Dimmable

- ○ F030A33A000
- ○ F030A33A001
- ● F030A33A006
- ● F030A33A012
- ● F030A33A018
- ● F030A33A030
- ● F030A33A033

1-10V

- ○ F030A33B000
- ○ F030A33B001
- ● F030A33B006
- ● F030A33B012
- ● F030A33B018
- ● F030A33B030
- ● F030A33B033

Dali

- ○ F030A33D000
- ○ F030A33D001
- ● F030A33D006
- ● F030A33D012
- ● F030A33D018
- ● F030A33D030
- ● F030A33D033

4000K

Non Dimmable

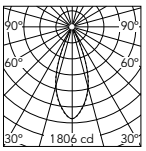
- ○ F030A43A000
- ○ F030A43A001
- ● F030A43A006
- ● F030A43A012
- ● F030A43A018
- ● F030A43A030
- ● F030A43A033

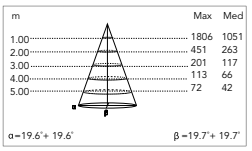
1-10V

- ○ F030A43B000
- ○ F030A43B001
- ● F030A43B006
- ● F030A43B012
- ● F030A43B018
- ● F030A43B030
- ● F030A43B033

Dali

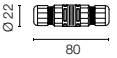
- ○ F030A43D000
- ○ F030A43D001
- ● F030A43D006
- ● F030A43D012
- ● F030A43D018
- ● F030A43D030
- ● F030A43D033





@3000K

Accessori per versioni non dimmable / Accessories for non-dimmable versions

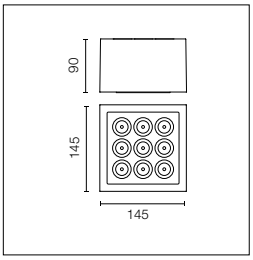
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000	 
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	

Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000	
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000	

Mile Ceiling 2





IP 66 · IK 10 · 1,8 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata e dimmarabile 1-10V o DALI integrata.
Dotato di doppio passacavo per collegamento entra-esci.
Staffa di fissaggio inclusa.

2200K disponibile su richiesta.

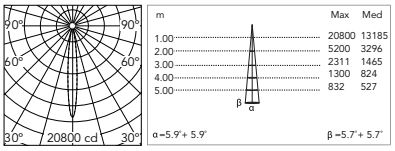
LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

2200K available on request.

Power Led: 15W - 1677 lm ≠ *FIXT 1032 lm - 2700K/CRI>80 - 220-240V / 15W - 1739 lm ≠ *FIXT 1344 lm - 3000K/CRI>80 - 220-240V / 15W - 1800 lm ≠ *FIXT 1400 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

Optic Spot

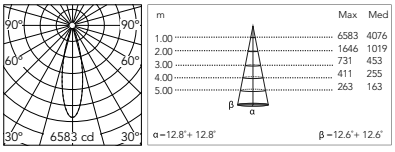
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F030C21A000	○ F030C31A000	○ F030C41A000
○ F030C21A001	○ F030C31A001	○ F030C41A001
● F030C21A006	● F030C31A006	● F030C41A006
● F030C21A012	● F030C31A012	● F030C41A012
● F030C21A018	● F030C31A018	● F030C41A018
● F030C21A030	● F030C31A030	● F030C41A030
● F030C21A033	● F030C31A033	● F030C41A033
1-10V	1-10V	1-10V
○ F030C21B000	○ F030C31B000	○ F030C41B000
○ F030C21B001	○ F030C31B001	○ F030C41B001
● F030C21B006	● F030C31B006	● F030C41B006
● F030C21B012	● F030C31B012	● F030C41B012
● F030C21B018	● F030C31B018	● F030C41B018
● F030C21B030	● F030C31B030	● F030C41B030
● F030C21B033	● F030C31B033	● F030C41B033
Dali	Dali	Dali
○ F030C21D000	○ F030C31D000	○ F030C41D000
○ F030C21D001	○ F030C31D001	○ F030C41D001
● F030C21D006	● F030C31D006	● F030C41D006
● F030C21D012	● F030C31D012	● F030C41D012
● F030C21D018	● F030C31D018	● F030C41D018
● F030C21D030	● F030C31D030	● F030C41D030
● F030C21D033	● F030C31D033	● F030C41D033



@3000K

Optic Medium

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ F030C22A000	○ F030C32A000	○ F030C42A000
○ F030C22A001	○ F030C32A001	○ F030C42A001
● F030C22A006	● F030C32A006	● F030C42A006
● F030C22A012	● F030C32A012	● F030C42A012
● F030C22A018	● F030C32A018	● F030C42A018
● F030C22A030	● F030C32A030	● F030C42A030
● F030C22A033	● F030C32A033	● F030C42A033
1-10V	1-10V	1-10V
○ F030C22B000	○ F030C32B000	○ F030C42B000
○ F030C22B001	○ F030C32B001	○ F030C42B001
● F030C22B006	● F030C32B006	● F030C42B006
● F030C22B012	● F030C32B012	● F030C42B012
● F030C22B018	● F030C32B018	● F030C42B018
● F030C22B030	● F030C32B030	● F030C42B030
● F030C22B033	● F030C32B033	● F030C42B033
Dali	Dali	Dali
○ F030C22D000	○ F030C32D000	○ F030C42D000
○ F030C22D001	○ F030C32D001	○ F030C42D001
● F030C22D006	● F030C32D006	● F030C42D006
● F030C22D012	● F030C32D012	● F030C42D012
● F030C22D018	● F030C32D018	● F030C42D018
● F030C22D030	● F030C32D030	● F030C42D030
● F030C22D033	● F030C32D033	● F030C42D033



@3000K

Optic Flood

2700K

Non Dimmable

- ○ F030C23A000
- ○ F030C23A001
- ● F030C23A006
- ● F030C23A012
- ● F030C23A018
- ● F030C23A030
- ● F030C23A033

1-10V

- ○ F030C23B000
- ○ F030C23B001
- ● F030C23B006
- ● F030C23B012
- ● F030C23B018
- ● F030C23B030
- ● F030C23B033

Dali

- ○ F030C23D000
- ○ F030C23D001
- ● F030C23D006
- ● F030C23D012
- ● F030C23D018
- ● F030C23D030
- ● F030C23D033

3000K

Non Dimmable

- ○ F030C33A000
- ○ F030C33A001
- ● F030C33A006
- ● F030C33A012
- ● F030C33A018
- ● F030C33A030
- ● F030C33A033

1-10V

- ○ F030C33B000
- ○ F030C33B001
- ● F030C33B006
- ● F030C33B012
- ● F030C33B018
- ● F030C33B030
- ● F030C33B033

Dali

- ○ F030C33D000
- ○ F030C33D001
- ● F030C33D006
- ● F030C33D012
- ● F030C33D018
- ● F030C33D030
- ● F030C33D033

4000K

Non Dimmable

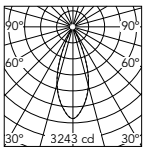
- ○ F030C43A000
- ○ F030C43A001
- ● F030C43A006
- ● F030C43A012
- ● F030C43A018
- ● F030C43A030
- ● F030C43A033

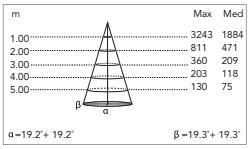
1-10V

- ○ F030C43B000
- ○ F030C43B001
- ● F030C43B006
- ● F030C43B012
- ● F030C43B018
- ● F030C43B030
- ● F030C43B033

Dali

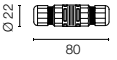
- ○ F030C43D000
- ○ F030C43D001
- ● F030C43D006
- ● F030C43D012
- ● F030C43D018
- ● F030C43D030
- ● F030C43D033





@3000K

Accessori per versioni non dimmable / Accessories for non-dimmable versions

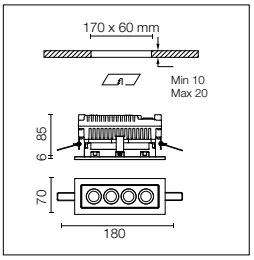
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000	
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000	

Mile Recessed 1





IP 66 · IK 08 · 1 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata e dimmarabile 1-10V o DALI integrata. Dotato di spezzone di cavo uscente in neoprene e doppio passacavo per collegamento entra-esci. Molle di fissaggio per controsoffitto incluse. Cassaforma per soffitti in muratura da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with neoprene cable outlet and double cable grommet for in/out connection. Ceiling mounting springs included. Box for brick roofing installation to be ordered separately.

2200K available on request.

Power Led: 11W - 994 lm ≠ *FIXT 736 lm - 2700K/CRI>80 - 220-240V / 11W - 1030 lm ≠ *FIXT 759 lm - 3000K/CRI>80 - 220-240V / 11W - 1067 lm ≠ *FIXT 791 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

Optic Spot

2700K
Non Dimmable
- F030B21A000
- F030B21A001
- F030B21A006
- F030B21A012
- F030B21A018
- F030B21A030
- F030B21A033

1-10V
- F030B21B000
- F030B21B001
- F030B21B006
- F030B21B012
- F030B21B018
- F030B21B030
- F030B21B033

Dali
- F030B21D000
- F030B21D001
- F030B21D006
- F030B21D012
- F030B21D018
- F030B21D030
- F030B21D033

3000K
Non Dimmable
- F030B31A000
- F030B31A001
- F030B31A006
- F030B31A012
- F030B31A018
- F030B31A030
- F030B31A033

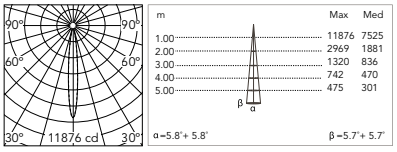
1-10V
- F030B31B000
- F030B31B001
- F030B31B006
- F030B31B012
- F030B31B018
- F030B31B030
- F030B31B033

Dali
- F030B31D000
- F030B31D001
- F030B31D006
- F030B31D012
- F030B31D018
- F030B31D030
- F030B31D033

4000K
Non Dimmable
- F030B41A000
- F030B41A001
- F030B41A006
- F030B41A012
- F030B41A018
- F030B41A030
- F030B41A033

1-10V
- F030B41B000
- F030B41B001
- F030B41B006
- F030B41B012
- F030B41B018
- F030B41B030
- F030B41B033

Dali
- F030B41D000
- F030B41D001
- F030B41D006
- F030B41D012
- F030B41D018
- F030B41D030
- F030B41D033



@3000K

Optic Medium

2700K
Non Dimmable
- F030B22A000
- F030B22A001
- F030B22A006
- F030B22A012
- F030B22A018
- F030B22A030
- F030B22A033

1-10V
- F030B22B000
- F030B22B001
- F030B22B006
- F030B22B012
- F030B22B018
- F030B22B030
- F030B22B033

Dali
- F030B22D000
- F030B22D001
- F030B22D006
- F030B22D012
- F030B22D018
- F030B22D030
- F030B22D033

3000K
Non Dimmable
- F030B32A000
- F030B32A001
- F030B32A006
- F030B32A012
- F030B32A018
- F030B32A030
- F030B32A033

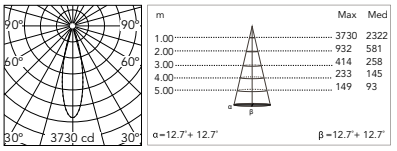
1-10V
- F030B32B000
- F030B32B001
- F030B32B006
- F030B32B012
- F030B32B018
- F030B32B030
- F030B32B033

Dali
- F030B32D000
- F030B32D001
- F030B32D006
- F030B32D012
- F030B32D018
- F030B32D030
- F030B32D033

4000K
Non Dimmable
- F030B42A000
- F030B42A001
- F030B42A006
- F030B42A012
- F030B42A018
- F030B42A030
- F030B42A033

1-10V
- F030B42B000
- F030B42B001
- F030B42B006
- F030B42B012
- F030B42B018
- F030B42B030
- F030B42B033

Dali
- F030B42D000
- F030B42D001
- F030B42D006
- F030B42D012
- F030B42D018
- F030B42D030
- F030B42D033



@3000K

Optic Flood

2700K

Non Dimmable

- ○ F030B23A000
- ○ F030B23A001
- ● F030B23A006
- ● F030B23A012
- ● F030B23A018
- ● F030B23A030
- ● F030B23A033

1-10V

- ○ F030B23B000
- ○ F030B23B001
- ● F030B23B006
- ● F030B23B012
- ● F030B23B018
- ● F030B23B030
- ● F030B23B033

Dali

- ○ F030B23D000
- ○ F030B23D001
- ● F030B23D006
- ● F030B23D012
- ● F030B23D018
- ● F030B23D030
- ● F030B23D033

3000K

Non Dimmable

- ○ F030B33A000
- ○ F030B33A001
- ● F030B33A006
- ● F030B33A012
- ● F030B33A018
- ● F030B33A030
- ● F030B33A033

1-10V

- ○ F030B33B000
- ○ F030B33B001
- ● F030B33B006
- ● F030B33B012
- ● F030B33B018
- ● F030B33B030
- ● F030B33B033

Dali

- ○ F030B33D000
- ○ F030B33D001
- ● F030B33D006
- ● F030B33D012
- ● F030B33D018
- ● F030B33D030
- ● F030B33D033

4000K

Non Dimmable

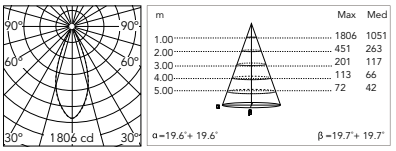
- ○ F030B43A000
- ○ F030B43A001
- ● F030B43A006
- ● F030B43A012
- ● F030B43A018
- ● F030B43A030
- ● F030B43A033

1-10V

- ○ F030B43B000
- ○ F030B43B001
- ● F030B43B006
- ● F030B43B012
- ● F030B43B018
- ● F030B43B030
- ● F030B43B033

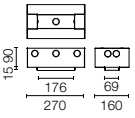
Dali

- ○ F030B43D000
- ○ F030B43D001
- ● F030B43D006
- ● F030B43D012
- ● F030B43D018
- ● F030B43D030
- ● F030B43D033

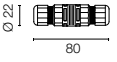


@3000K

Mile Recessed 1: Accessori / Accessories

Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	F030Z010000		

Accessori per versioni non dimmable / Accessories for non-dimmable versions

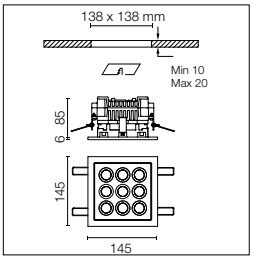
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		

Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		

Mile Recessed 2





IP 66 | IK 10 | 1,8 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata e dimmarabile 1-10V o DALI integrata. Dotato di spezzone di cavo uscente in neoprene e doppio passacavo per collegamento entra-esci. Molle di fissaggio per controsoffitto incluse. Cassaforma per soffitti in muratura da ordinare separatamente.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with neoprene cable outlet and double cable grommet for in/out connection. Ceiling mounting springs included. Box for brick roofing installation to be ordered separately.

2200K available on request.

Power Led: 15W - 1677 lm ≠ *FIXT 1032 lm - 2700K/CRI>80 - 220-240V / 15W - 1739 lm ≠ *FIXT 1344 lm - 3000K/CRI>80 - 220-240V / 15W - 1800 lm ≠ *FIXT 1400 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

Optic Spot

2700K
Non Dimmable
- F030D21A000
- F030D21A001
- F030D21A006
- F030D21A012
- F030D21A018
- F030D21A030
- F030D21A033

1-10V
- F030D21B000
- F030D21B001
- F030D21B006
- F030D21B012
- F030D21B018
- F030D21B030
- F030D21B033

Dali
- F030D21D000
- F030D21D001
- F030D21D006
- F030D21D012
- F030D21D018
- F030D21D030
- F030D21D033

3000K
Non Dimmable
- F030D31A000
- F030D31A001
- F030D31A006
- F030D31A012
- F030D31A018
- F030D31A030
- F030D31A033

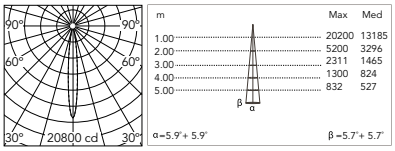
1-10V
- F030D31B000
- F030D31B001
- F030D31B006
- F030D31B012
- F030D31B018
- F030D31B030
- F030D31B033

Dali
- F030D31D000
- F030D31D001
- F030D31D006
- F030D31D012
- F030D31D018
- F030D31D030
- F030D31D033

4000K
Non Dimmable
- F030D41A000
- F030D41A001
- F030D41A006
- F030D41A012
- F030D41A018
- F030D41A030
- F030D41A033

1-10V
- F030D41B000
- F030D41B001
- F030D41B006
- F030D41B012
- F030D41B018
- F030D41B030
- F030D41B033

Dali
- F030D41D000
- F030D41D001
- F030D41D006
- F030D41D012
- F030D41D018
- F030D41D030
- F030D41D033



@3000K

Optic Medium

2700K
Non Dimmable
- F030D22A000
- F030D22A001
- F030D22A006
- F030D22A012
- F030D22A018
- F030D22A030
- F030D22A033

1-10V
- F030D22B000
- F030D22B001
- F030D22B006
- F030D22B012
- F030D22B018
- F030D22B030
- F030D22B033

Dali
- F030D22D000
- F030D22D001
- F030D22D006
- F030D22D012
- F030D22D018
- F030D22D030
- F030D22D033

3000K
Non Dimmable
- F030D32A000
- F030D32A001
- F030D32A006
- F030D32A012
- F030D32A018
- F030D32A030
- F030D32A033

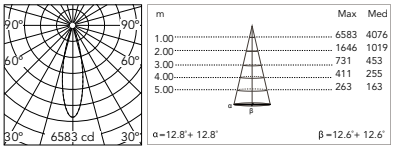
1-10V
- F030D32B000
- F030D32B001
- F030D32B006
- F030D32B012
- F030D32B018
- F030D32B030
- F030D32B033

Dali
- F030D32D000
- F030D32D001
- F030D32D006
- F030D32D012
- F030D32D018
- F030D32D030
- F030D32D033

4000K
Non Dimmable
- F030D42A000
- F030D42A001
- F030D42A006
- F030D42A012
- F030D42A018
- F030D42A030
- F030D42A033

1-10V
- F030D42B000
- F030D42B001
- F030D42B006
- F030D42B012
- F030D42B018
- F030D42B030
- F030D42B033

Dali
- F030D42D000
- F030D42D001
- F030D42D006
- F030D42D012
- F030D42D018
- F030D42D030
- F030D42D033



@3000K

Optic Flood

2700K

Non Dimmable

- ○ F030D23A000
- ○ F030D23A001
- ● F030D23A006
- ● F030D23A012
- ● F030D23A018
- ● F030D23A030
- ● F030D23A033

1-10V

- ○ F030D23B000
- ○ F030D23B001
- ● F030D23B006
- ● F030D23B012
- ● F030D23B018
- ● F030D23B030
- ● F030D23B033

Dali

- ○ F030D23D000
- ○ F030D23D001
- ● F030D23D006
- ● F030D23D012
- ● F030D23D018
- ● F030D23D030
- ● F030D23D033

3000K

Non Dimmable

- ○ F030D33A000
- ○ F030D33A001
- ● F030D33A006
- ● F030D33A012
- ● F030D33A018
- ● F030D33A030
- ● F030D33A033

1-10V

- ○ F030D33B000
- ○ F030D33B001
- ● F030D33B006
- ● F030D33B012
- ● F030D33B018
- ● F030D33B030
- ● F030D33B033

Dali

- ○ F030D33D000
- ○ F030D33D001
- ● F030D33D006
- ● F030D33D012
- ● F030D33D018
- ● F030D33D030
- ● F030D33D033

4000K

Non Dimmable

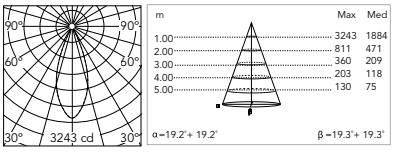
- ○ F030D43A000
- ○ F030D43A001
- ● F030D43A006
- ● F030D43A012
- ● F030D43A018
- ● F030D43A030
- ● F030D43A033

1-10V

- ○ F030D43B000
- ○ F030D43B001
- ● F030D43B006
- ● F030D43B012
- ● F030D43B018
- ● F030D43B030
- ● F030D43B033

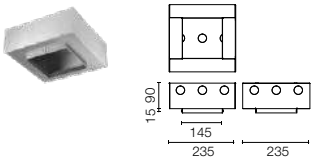
Dali

- ○ F030D43D000
- ○ F030D43D001
- ● F030D43D006
- ● F030D43D012
- ● F030D43D018
- ● F030D43D030
- ● F030D43D033



@3000K

Mile Recessed 2: Accessori / Accessories

Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	F030Z020000	

Accessori per versioni non dimmable / Accessories for non-dimmable versions

Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	

Accessori per versioni Dimmerabili / Accessories for dimmable versions

Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000	
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000	

Captain Flint

Designed by Michael Anastassiades







Captain Flint





Captain Flint Wall

Famiglia / Family

Captain Flint Outdoor Floor



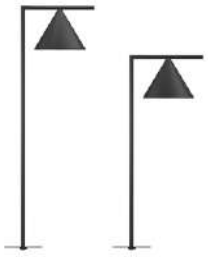
CoB Led
11W
1099 lm - 2700K/CRI 80
1140 lm - 3000K/CRI 80
1221 lm - 4000K/CRI 80
2200K available on request.

Captain Flint Outdoor Wall



CoB Led
9,5W
989 lm - 2700K/CRI 80
1026 lm - 3000K/CRI 80
1099 lm - 4000K/CRI 80
2200K available on request.

Captain Flint Outdoor Bollard



CoB Led
9,5W
989 lm - 2700K/CRI 80
1026 lm - 3000K/CRI 80
1099 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours



18 Deep Brown



30 Black



37 Burgundy Red



55 Brushed Stainless Steel



59 Brass Finish

Captain Flint Outdoor Floor - Stone bases



18 Deep Brown/Travertino Imperiale



30 Black/Black Lava



37 Burgundy Red/Black Lava



55 Brushed Stainless Steel/
Occhio di Pernice



59 Brass Finish/Grey Lava

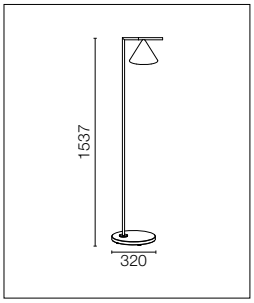
Descrizione / Description

Collezione di apparecchi di illuminazione completa di versione a parete, bollard e versione da terra per uso esterno.
Versione da parete con testa fissa. Rosone, telaio e cono in acciaio inox 316L spazzolato, verniciato o finitura ottone spazzolato; le parti strutturali vengono trattate con procedimento di conversione chimica al fine di ottenere una efficiente resistenza agli agenti atmosferici. Diffusore in policarbonato opalino anti-UV fotoinciso stampato ad iniezione. Sorgente luminosa a LED inclusa.
Versione da terra con testa orientabile sull'asta orizzontale di 315°, completa di una robusta base in pietra in diverse finiture. Disponibile in cinque combinazioni standard: acciaio verniciato nero/lava nera, acciaio verniciato deep brown/travertino imperiale, rosso borgogna/lava nera, ottone satinato/lava grigia, acciaio inox satinato/occhio di pernice. Cavo adatto per outdoor di 5 metri di lunghezza con spina Schuko IP44.
Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso 30-100%.

Luminaire family with wall version, bollard version and outdoor floor version.
Wall version with fixed head. Rose, frame and cone in 316L polished or painted stainless steel or polished brass finishes. Structural parts have been treated with a chemical conversion process for effective resistance against atmospheric conditions. Diffuser in photo-recorded and injection molded UV-resistant opalescent polycarbonate. LED light source included.
Floor version with 315° adjustable head in horizontal rod, with a robust stone base that comes in various finishes. Available in five standard combinations: black/black lava painted steel, deep brown/travertino imperiale, burgundy red/black lava, satinized brass/grey lava, satinized stainless steel/occhio di pernice. 5-m cable with IP44 Schuko plug suitable for outdoor use. Backlit floor dimmer switch along the IP65 cable enables ON/OFF function and 30–100% brightness regulation.

Captain Flint Outdoor Floor





IP 65 · 10,0 Kg · IK 07 · LED INCL

Sorgente luminosa a LED inclusa.
Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44.
Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso 30-100%.
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED bulb included.
5-m cable with Schuko IP44 plug suitable for outdoor use.
Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100%.
Casambi function on demand.

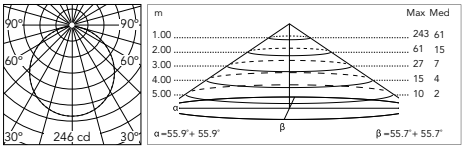
2200K available on request.

CoB Led: 11W -1099 lm ≠ FIXT 669 lm - 2700K/CRI>80 - 220-240V / 11W - 1140 lm ≠ FIXT 694 lm - 3000K/CRI>80 - 220-240V / 11W -1221 lm ≠ FIXT 744 lm - 4000K/CRI>80 - 220-240V

2700K
- F011A21F018.A
- F011A22F030.A
- F011A22F037.A
- F011A24F055.A
- F011A23F059.A

3000K
- F011A31F018.A
- F011A32F030.A
- F011A32F037.A
- F011A34F055.A
- F011A33F059.A

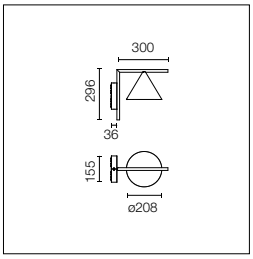
4000K
- F011A41F018.A
- F011A42F030.A
- F011A42F037.A
- F011A44F055.A
- F011A43F059.A



@3000K

Captain Flint Outdoor Wall





IP 65 | 2,1 Kg | IK 07 | LED INCL

Apparecchio di illuminazione da parete a luce diffusa con testa fissa. Sorgente luminosa a LED inclusa.
Alimentazione elettrica 220-240V ON/OFF o dimmerabile 1-10V / DALI integrata.
La connessione viene eseguita in modo rapido all'interno del rosone con giunto elettrico plug&play e connettore IP68 in dotazione. Staffa di fissaggio inclusa.
Versione 110V a richiesta.

2200K disponibile su richiesta.

Luminaire for wall-mounting with diffuse light emission and fixed head. LED light source included.
Integrated 220-240V ON/OFF or 1-10V/DALI dimmable electrical power.
Connection is quickly ensured in the rose with the plug & play electrical connection and the IP68 connector included. Clamp bracket included.
110V version upon request.

2200K available on request.

CoB Led: 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

2700K

Non Dimmable
- F011W20A018
- F011W20A030
- F011W20A037
- F011W20A055
- F011W20A059

1-10V
- F011W20B018
- F011W20B030
- F011W20B037
- F011W20B055
- F011W20B059

Dali
- F011W20D018
- F011W20D030
- F011W20D037
- F011W20D055
- F011W20D059

3000K

Non Dimmable
- F011W30A018
- F011W30A030
- F011W30A037
- F011W30A055
- F011W30A059

1-10V
- F011W30B018
- F011W30B030
- F011W30B037
- F011W30B055
- F011W30B059

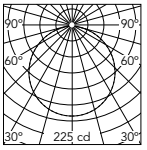
Dali
- F011W30D018
- F011W30D030
- F011W30D037
- F011W30D055
- F011W30D059

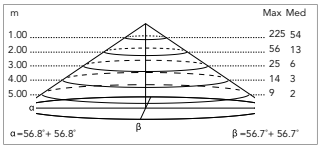
4000K

Non Dimmable
- F011W40A018
- F011W40A030
- F011W40A037
- F011W40A055
- F011W40A059

1-10V
- F011W40B018
- F011W40B030
- F011W40B037
- F011W40B055
- F011W40B059

Dali
- F011W40D018
- F011W40D030
- F011W40D037
- F011W40D055
- F011W40D059

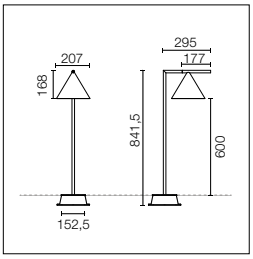




@3000K

Captain Flint Outdoor B1





IP 65 · IK 07 · LED INCL

Alimentazione elettrica ON/ OFF o dimmerabile 220-240V integrata. L'apparecchio è fornito con un connettore stagno per il collegamento alla rete elettrica. Cassaforma per l'installazione nel terreno o su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

Integrated ON/OFF or dimmable 220-240V power supply. For mains connection, the light source is equipped with watertight cable. Box for ground or cobblestone installations requiring concrete plinth is available upon request.

2200K available on request.

CoB Led: 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

2700K
Non Dimmable
- F011D20A018
- F011D20A030
- F011D20A037
- F011D20A055
- F011D20A059

1-10V
- F011D20B018
- F011D20B030
- F011D20B037
- F011D20B055
- F011D20B059

Dali
- F011D20D018
- F011D20D030
- F011D20D037
- F011D20D055
- F011D20D059

3000K
Non Dimmable
- F011D30A018
- F011D30A030
- F011D30A037
- F011D30A055
- F011D30A059

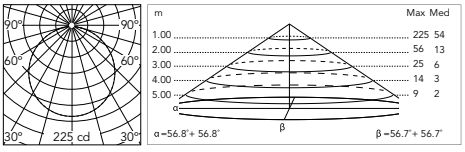
1-10V
- F011D30B018
- F011D30B030
- F011D30B037
- F011D30B055
- F011D30B059

Dali
- F011D30D018
- F011D30D030
- F011D30D037
- F011D30D055
- F011D30D059

4000K
Non Dimmable
- F011D40A018
- F011D40A030
- F011D40A037
- F011D40A055
- F011D40A059

1-10V
- F011D40B018
- F011D40B030
- F011D40B037
- F011D40B055
- F011D40B059

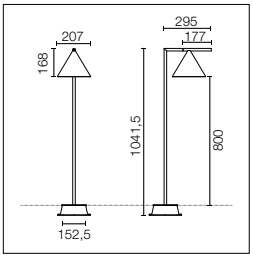
Dali
- F011D40D018
- F011D40D030
- F011D40D037
- F011D40D055
- F011D40D059



@3000K

Captain Flint Outdoor B2





IP 65 · IK 07 · LED INCL

Alimentazione elettrica ON/ OFF o dimmerabile 220-240V integrata. L'apparecchio è fornito con un connettore stagno per il collegamento alla rete elettrica. Cassaforma per l'installazione nel terreno o su pavimentazione da gettare con plinto di cemento da ordinare separatamente.

2200K disponibile su richiesta.

Integrated ON/OFF or dimmable 220-240V power supply. For mains connection, the light source is equipped with watertight cable. Box for ground or cobblestone installations requiring concrete plinth is available upon request.

2200K available on request.

CoB Led: 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

2700K
Non Dimmable
- F011E20A018
- F011E20A030
- F011E20A037
- F011E20A055
- F011E20A059

1-10V
- F011E20B018
- F011E20B030
- F011E20B037
- F011E20B055
- F011E20B059

Dali
- F011E20D018
- F011E20D030
- F011E20D037
- F011E20D055
- F011E20D059

3000K
Non Dimmable
- F011E30A018
- F011E30A030
- F011E30A037
- F011E30A055
- F011E30A059

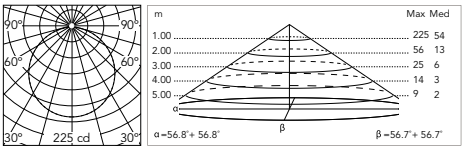
1-10V
- F011E30B018
- F011E30B030
- F011E30B037
- F011E30B055
- F011E30B059

Dali
- F011E30D018
- F011E30D030
- F011E30D037
- F011E30D055
- F011E30D059

4000K
Non Dimmable
- F011E40A018
- F011E40A030
- F011E40A037
- F011E40A055
- F011E40A059

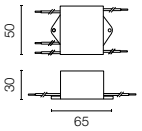
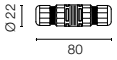
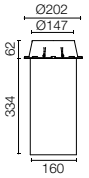
1-10V
- F011E40B018
- F011E40B030
- F011E40B037
- F011E40B055
- F011E40B059

Dali
- F011E40D018
- F011E40D030
- F011E40D037
- F011E40D055
- F011E40D059



@3000K

Captain Flint Bollard

Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Cassaforma per l'installazione a terra.	Box for ground installation.	F018Z000000		

IC Light

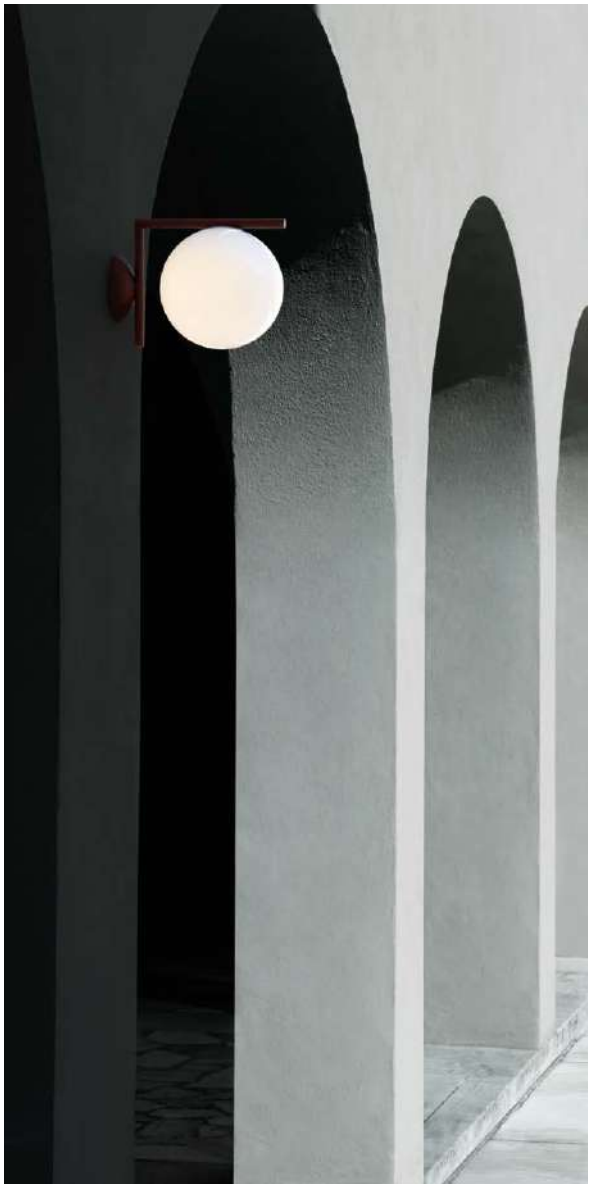
Designed by Michael Anastassiades





IC Lights Floor





IC Lights Wall



IC Lights Floor

Famiglia / Family

IC Wall / Ceiling



Led
Max 8W E14



Led
Max 15W E27

IC Floor



Led
Max 8W E14



Led
Max 15W E27

Colori / Colours



18 Deep Brown



30 Black



37 Burgundy Red



55 Brushed Stainless Steel



59 Brass Finish

IC Floor Outdoor - Stone bases



30 Black/Black Lava



18 Deep Brown/Travertino Imperiale



37 Burgundy Red/Black Lava



55 Brushed Stainless Steel/ Occhio di Pernice



59 Brass Finish/Grey Lava

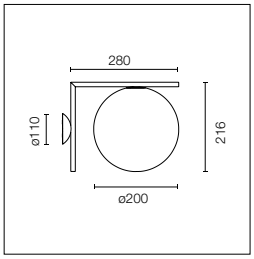
Descrizione / Description

Apparecchio di illuminazione da parete-plafone a luce diffusa per uso esterno disponibile in due dimensioni. Telaio in acciaio inox spazzolato, in finitura ottone spazzolato o verniciato colore nero opaco o rosso burgundy. Le parti strutturali dell'apparecchio vengono trattate con procedimento di conversione chimica al fine di ottenere una efficiente resistenza agli agenti atmosferici. Durante il montaggio e la manutenzione degli apparecchi bisogna prestare particolare attenzione a non danneggiare la verniciatura a polvere.
Diffusore opalino in vetro soffiato bianco latte lucido. L'apparecchio è fornito completo con guarnizione per la connessione a tenuta IP. Sorgente luminosa esclusa attacco E14/E27.

Wall- or ceiling-mounted light fitting with diffuse light for exterior use available in two sizes. Frame in brushed stainless steel, brushed brass finish or painted opaque black or burgundy. The structure of the fitting is treated with a chemical conversion process for effective resistance to atmospheric agents. Special attention is recommended during installation and maintenance to prevent damage to the powder coating.
Opalescent diffuser in shiny white translucent blown glass. The light comes with seals for IP-rated connection. Light source with E14/E27 connection not included.

IC Ceiling Wall 1 Outdoor





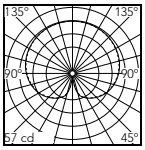
IP 65 · 2,2 Kg · IK 04

Sorgente luminosa esclusa. Apparecchio di illuminazione da parete/soffitto a luce diffusa. Telaio in ottone, spazzolato e verniciato trasparente o acciaio cromato. Diffusore opalino di vetro soffiato.

Light source excluded. Optional LED bulb sold separately. Wall mounting system contains the wiring system. Watertight cable gland included.

Led: max 8W - E14 - 220-240V

- F012H00C018
- F012H00C030
- F012H00C037
- F012H00C055
- F012H00C059



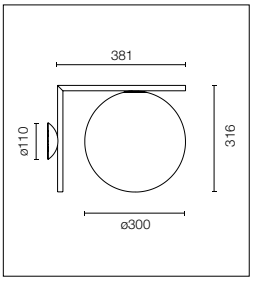
@3000K

Accessori / Accessories

1 x LED 8W E14 900lm 3000K cod. RF32291 [e] DIMMER
1 x LED 8W E14 900lm 2700K cod. RF32290 [e] DIMMER

IC Ceiling Wall 2 Outdoor





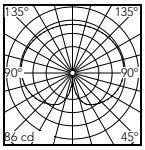
IP 65 · 3,8 Kg · IK 04

Sorgente luminosa esclusa. Apparecchio di illuminazione da parete/soffitto a luce diffusa. Telaio in ottone, spazzolato e verniciato trasparente o acciaio cromato. Diffusore opalino di vetro soffiato.

Light source excluded. Optional LED bulb sold separately. Wall mounting system contains the wiring system. Watertight cable gland included.

Led: max 15W - E27 - 220-240V

- F012J00C018
- F012J00C030
- F012J00C037
- F012J00C055
- F012J00C059



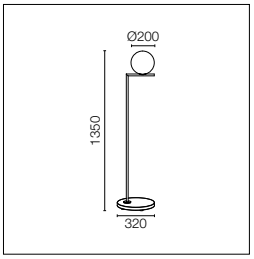
@3000K

Accessori / Accessories

1 x LED 15W E27 2000lm 2700K cod. RF32288 [e] DIMMER
1 x LED 15W E27 2000lm 3000K cod. RF32289 [e] DIMMER

IC Floor 1 Outdoor





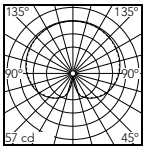
IP 65 · IK 04 · 5,0 Kg · A⁺→E

Sorgente luminosa esclusa.
Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44.
Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso 30-100% (con lampadina a LED Dimmerabile).

Bulb not included.
5-m cable with Schuko IP44 plug suitable for outdoor use.
Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100% (with dimmable LED bulb).

Led: max 8W - E14 - 220-240V

- F012A01C018.A
- F012A02C030.A
- F012A02C037.A
- F012A04C055.A
- F012A03C059.A



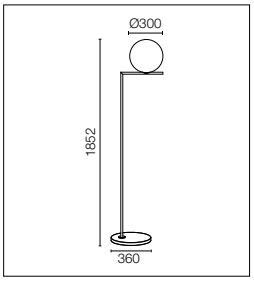
@3000K

Accessori / Accessories

1 x LED 8W E14 900lm 3000K cod. RF32291 [e] DIMMER
1 x LED 8W E14 900lm 2700K cod. RF32290 [e] DIMMER

IC Floor 2 Outdoor





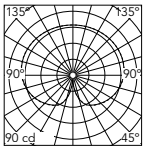
IP 65 · IK 04 · 10,0 Kg · A⁺→E

Sorgente luminosa esclusa.
Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44.
Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso 30-100% (con lampadina a LED Dimmerabile).

Bulb not included.
5-m cable with Schuko IP44 plug suitable for outdoor use.
Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100% (with dimmable LED bulb).

Led: max 15W - E27 - 220-240V

- F012B01C018.A
- F012B02C030.A
- F012B02C037.A
- F012B04C055.A
- F012B03C059.A



@3000K

Accessori / Accessories

1 x LED 15W E27 2000lm 2700K cod. RF32288 [e] DIMMER
1 x LED 15W E27 2000lm 3000K cod. RF32289 [e] DIMMER

Caule

Designed by Patricia Urquiola





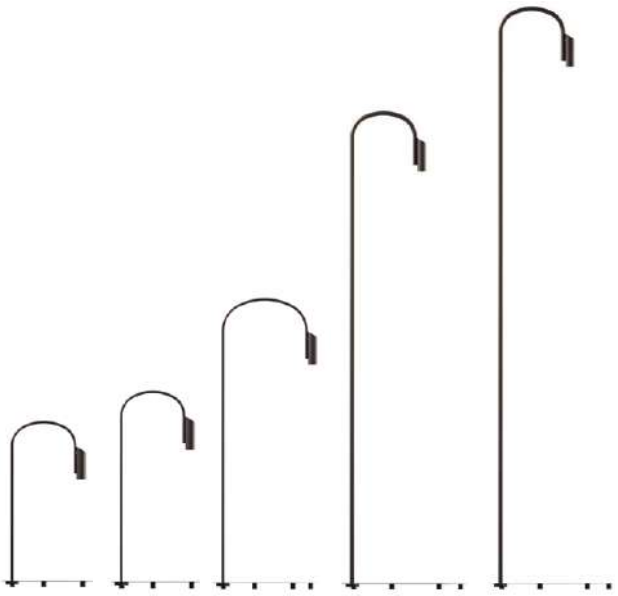
Caule Floor



Caule Bollard Nest

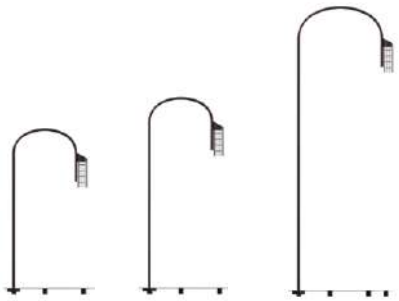
Famiglia / Family

Caule Floor



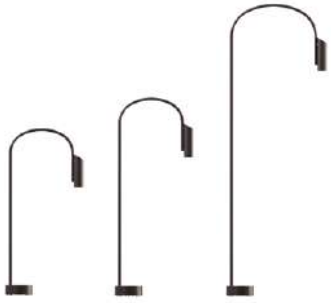
Power Led
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Caule Floor Nest



Power Led
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Caule Bollard



Power Led
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Caule Bollard Nest



Power Led
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

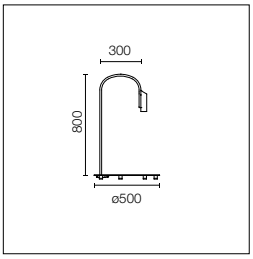
Descrizione / Description

Collezione di apparecchi di illuminazione da esterno in versione lampada da terra mobile e in versione bollard, disponibili in diverse altezze.
Sono caratterizzate dal design morbido e flessuoso dello stelo e dalla testa disponibile in due modelli differenti: testa monolite per una luce diretta soft, testa con cover Nest a maglia metallica per una luce diffusa e disegnata.
La struttura dello stelo è realizzata in acciaio inox aisi 304 per una efficiente resistenza agli agenti atmosferici. La base è in acciaio inox aisi 304 per la versione lampada da terra mobile e in alluminio pressofuso per la versione bollard. La testa, in cui è recessa la sorgente LED inclusa, è in stampo di alluminio pressofuso; nella versione Nest la cover è realizzata in maglia metallica in acciaio inox aisi 316L.
Le parti strutturali dell'apparecchio vengono trattate con procedimento di conversione chimica al fine di ottenere una efficiente resistenza alla corrosione degli agenti atmosferici.
Lo schermo di protezione della sorgente luminosa è in vetro sabbiato per la testa monolite, in metacrilato trasparente per la versione Nest
La versione lampada da terra è completata da cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44 e interruttore dimmer a pedale retroilluminato IP65 che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
La versione bollard è fornita con uno spezzone di cavo uscente in neoprene di 200 mm di lunghezza ed è pronto per l'installazione su qualsiasi pavimento. Disponibile come accessorio da ordinare separatamente la cassaforma per l'installazione su una pavimentazione da gettare con plinto di cemento.

Collection of outdoor lighting units in a movable floor lamp version and a bollard version, both available in different heights.
The lamps are characterized by their soft, pliable stem. The lamp head is available in two different models: solid, for direct soft light, or with a 'nest' cover, a metallic mesh creating a unique wash of diffuse light.
The structure of the stem is made of AISI 304 stainless steel for effective resistance to atmospheric agents. The base of the movable floor version is made of AISI 304 stainless steel for and the bollard version is made of die-cast aluminium.
The lamp head, which holds the included LED light source, is made of moulded aluminium; the cover of the 'nest' version is made of a metallic mesh in AISI 316L stainless steel.
The structure is treated with a chemical conversion process for effective resistance to atmospheric agents.
The screen protecting the light source is made of sanded glass for the solid head and methacrylate for the 'nest' version.
The floor lamp version comes with 5 metres of cable appropriate for outdoor use with a Schuko IP44 and IP65 backlit pedal dimmer switch for easy ON/OFF and to adjust the amount of light.
The bollard version comes with a 200-mm length of neoprene cable and is ready for installation on any flooring.
Optional accessory (sold separately): box for installation on flooring laid over concrete.

Caule Floor 1





IK 04 | IP 66 | 5,7 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

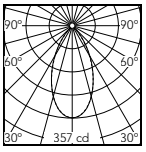
2200K disponibile su richiesta.

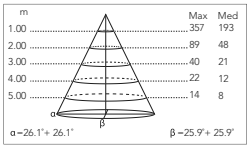
LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
F016M21K001.A	F016M31K001.A	F016M41K001.A
F016M21K006.A	F016M31K006.A	F016M41K006.A
F016M21K012.A	F016M31K012.A	F016M41K012.A
F016M21K018.A	F016M31K018.A	F016M41K018.A
F016M21K030.A	F016M31K030.A	F016M41K030.A
F016M21K033.A	F016M31K033.A	F016M41K033.A

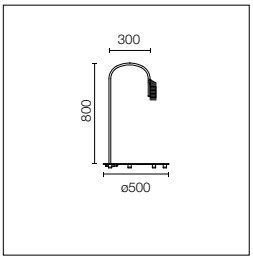




@3000K

Caule Floor 1 Nest





IK 04 | IP 65 | IP 66 | 5,7 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

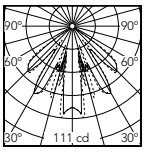
2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
F016N21K001.A	F016N31K001.A	F016N41K001.A
F016N21K006.A	F016N31K006.A	F016N41K006.A
F016N21K012.A	F016N31K012.A	F016N41K012.A
F016N21K018.A	F016N31K018.A	F016N41K018.A
F016N21K030.A	F016N31K030.A	F016N41K030.A
F016N21K033.A	F016N31K033.A	F016N41K033.A

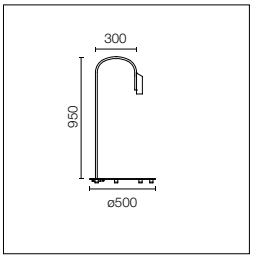


h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

@3000K

Caule Floor 2





IP 66 · 5,8 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

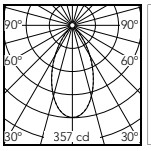
2200K available on request.

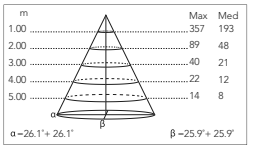
Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K
- F016M22K001.A
- F016M22K006.A
- F016M22K012.A
- F016M22K018.A
- F016M22K030.A
- F016M22K033.A

3000K
- F016M32K001.A
- F016M32K006.A
- F016M32K012.A
- F016M32K018.A
- F016M32K030.A
- F016M32K033.A

4000K
- F016M42K001.A
- F016M42K006.A
- F016M42K012.A
- F016M42K018.A
- F016M42K030.A
- F016M42K033.A

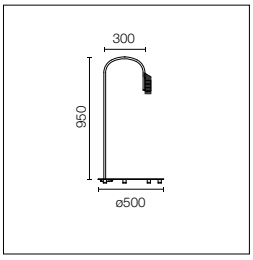




@3000K

Caule Floor 2 Nest





IP 65 · IP 66 · 5,8 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

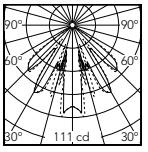
2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K
- F016N22K001.A
- F016N22K006.A
- F016N22K012.A
- F016N22K018.A
- F016N22K030.A
- F016N22K033.A

3000K
- F016N32K001.A
- F016N32K006.A
- F016N32K012.A
- F016N32K018.A
- F016N32K030.A
- F016N32K033.A

4000K
- F016N42K001.A
- F016N42K006.A
- F016N42K012.A
- F016N42K018.A
- F016N42K030.A
- F016N42K033.A

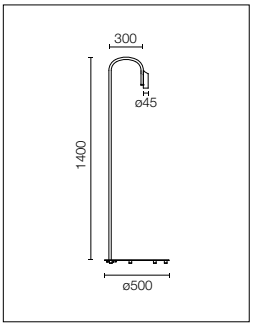


h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

@3000K

Caule Floor 3





IP 66 · 6 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

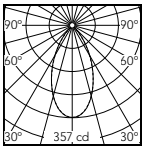
2200K available on request.

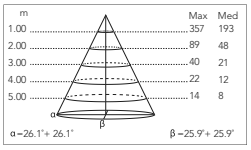
Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F016M23K001.A
- ● F016M23K006.A
- ● F016M23K012.A
- ● F016M23K018.A
- ● F016M23K030.A
- ● F016M23K033.A

3000K
- ○ F016M33K001.A
- ● F016M33K006.A
- ● F016M33K012.A
- ● F016M33K018.A
- ● F016M33K030.A
- ● F016M33K033.A

4000K
- ○ F016M43K001.A
- ● F016M43K006.A
- ● F016M43K012.A
- ● F016M43K018.A
- ● F016M43K030.A
- ● F016M43K033.A

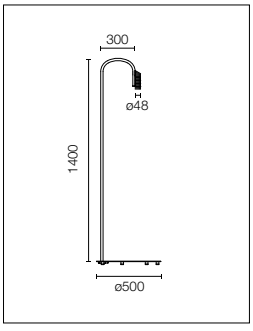




@3000K

Caule Floor 3 Nest





IP 65 · IP 66 · 6 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

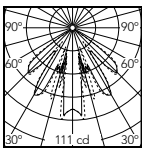
2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F016N23K001.A
- ● F016N23K006.A
- ● F016N23K012.A
- ● F016N23K018.A
- ● F016N23K030.A
- ● F016N23K033.A

3000K
- ○ F016N33K001.A
- ● F016N33K006.A
- ● F016N33K012.A
- ● F016N33K018.A
- ● F016N33K030.A
- ● F016N33K033.A

4000K
- ○ F016N43K001.A
- ● F016N43K006.A
- ● F016N43K012.A
- ● F016N43K018.A
- ● F016N43K030.A
- ● F016N43K033.A

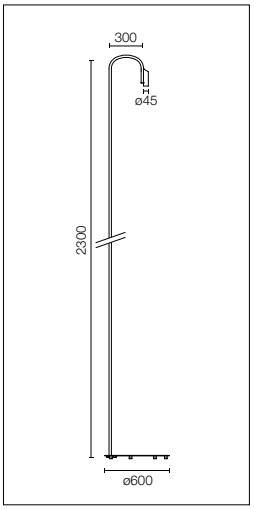


h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

@3000K

Caule Floor 4





IK 04 | IP 66 | 6,8 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

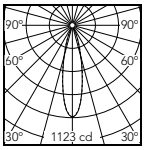
2200K available on request.

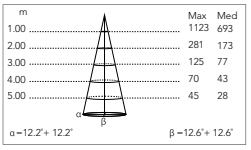
Power Led: 5W - 447 lm ≠ FIXT 245 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 263 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 281 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F016M24K001.A
- ● F016M24K006.A
- ● F016M24K012.A
- ● F016M24K018.A
- ● F016M24K030.A
- ● F016M24K033.A

3000K
- ○ F016M34K001.A
- ● F016M34K006.A
- ● F016M34K012.A
- ● F016M34K018.A
- ● F016M34K030.A
- ● F016M34K033.A

4000K
- ○ F016M44K001.A
- ● F016M44K006.A
- ● F016M44K012.A
- ● F016M44K018.A
- ● F016M44K030.A
- ● F016M44K033.A

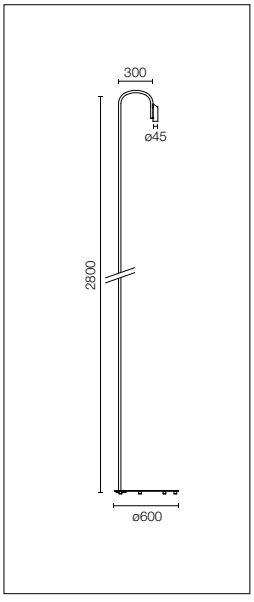




@3000K

Caule Floor 5





IK 04 | IP 65 | IP 66 | 7,2 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V 50-60 Hz integrata. Cavo adatto per outdoor 5 metri di lunghezza con spina Schuko IP44. Interruttore dimmer a pedale retroilluminato IP65 lungo il cavo che garantisce le funzioni ON/OFF e regolazione del flusso luminoso.
Versione 110V a richiesta.
Dimmer Control switch integrato (lungo il cavo).
Funzione Casambi a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light.
110V version upon request.
Integrated dimmer control switch (on the cable)
Casambi function on demand.

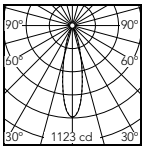
2200K available on request.

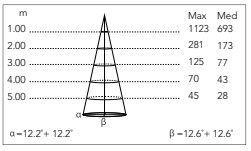
Power Led: 5W - 447 lm ≠ FIXT 245 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 263 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 281 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F016M25K001.A
- ● F016M25K006.A
- ● F016M25K012.A
- ● F016M25K018.A
- ● F016M25K030.A
- ● F016M25K033.A

3000K
- ○ F016M35K001.A
- ● F016M35K006.A
- ● F016M35K012.A
- ● F016M35K018.A
- ● F016M35K030.A
- ● F016M35K033.A

4000K
- ○ F016M45K001.A
- ● F016M45K006.A
- ● F016M45K012.A
- ● F016M45K018.A
- ● F016M45K030.A
- ● F016M45K033.A

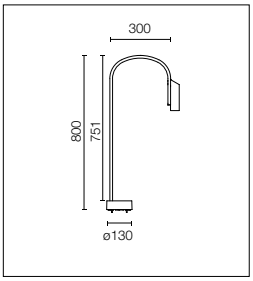


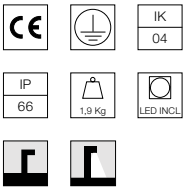


@3000K

Caule Bollard 1







Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F016A21A001
- ● F016A21A006
- ● F016A21A012
- ● F016A21A018
- ● F016A21A030
- ● F016A21A033

1-10V
- ○ F016A21B001
- ● F016A21B006
- ● F016A21B012
- ● F016A21B018
- ● F016A21B030
- ● F016A21B033

Dali
- ○ F016A21D001
- ● F016A21D006
- ● F016A21D012
- ● F016A21D018
- ● F016A21D030
- ● F016A21D033

3000K
Non Dimmable
- ○ F016A31A001
- ● F016A31A006
- ● F016A31A012
- ● F016A31A018
- ● F016A31A030
- ● F016A31A033

1-10V
- ○ F016A31B001
- ● F016A31B006
- ● F016A31B012
- ● F016A31B018
- ● F016A31B030
- ● F016A31B033

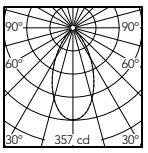
Dali
- ○ F016A31D001
- ● F016A31D006
- ● F016A31D012
- ● F016A31D018
- ● F016A31D030
- ● F016A31D033

4000K
Non Dimmable
- ○ F016A41A001
- ● F016A41A006
- ● F016A41A012
- ● F016A41A018
- ● F016A41A030
- ● F016A41A033

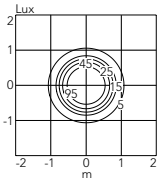
1-10V
- ○ F016A41B001
- ● F016A41B006
- ● F016A41B012
- ● F016A41B018
- ● F016A41B030
- ● F016A41B033

Dali
- ○ F016A41D001
- ● F016A41D006
- ● F016A41D012
- ● F016A41D018
- ● F016A41D030
- ● F016A41D033



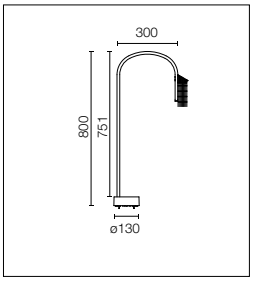


@3000K



Caule Bollard 1 Nest





IP 66 | IK 04 | 1,9 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F016B21A001
- F016B21A006
- F016B21A012
- F016B21A018
- F016B21A030
- F016B21A033

1-10V
- F016B21B001
- F016B21B006
- F016B21B012
- F016B21B018
- F016B21B030
- F016B21B033

Dali
- F016B21D001
- F016B21D006
- F016B21D012
- F016B21D018
- F016B21D030
- F016B21D033

3000K

Non Dimmable
- F016B31A001
- F016B31A006
- F016B31A012
- F016B31A018
- F016B31A030
- F016B31A033

1-10V
- F016B31B001
- F016B31B006
- F016B31B012
- F016B31B018
- F016B31B030
- F016B31B033

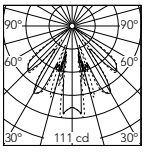
Dali
- F016B31D001
- F016B31D006
- F016B31D012
- F016B31D018
- F016B31D030
- F016B31D033

4000K

Non Dimmable
- F016B41A001
- F016B41A006
- F016B41A012
- F016B41A018
- F016B41A030
- F016B41A033

1-10V
- F016B41B001
- F016B41B006
- F016B41B012
- F016B41B018
- F016B41B030
- F016B41B033

Dali
- F016B41D001
- F016B41D006
- F016B41D012
- F016B41D018
- F016B41D030
- F016B41D033

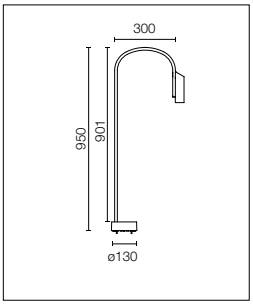


@3000K

h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

Caule Bollard 2





IP 66 · 2 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- F016A22A001
- F016A22A006
- F016A22A012
- F016A22A018
- F016A22A030
- F016A22A033

1-10V
- F016A22B001
- F016A22B006
- F016A22B012
- F016A22B018
- F016A22B030
- F016A22B033

Dali
- F016A22D001
- F016A22D006
- F016A22D012
- F016A22D018
- F016A22D030
- F016A22D033

3000K
Non Dimmable
- F016A32A001
- F016A32A006
- F016A32A012
- F016A32A018
- F016A32A030
- F016A32A033

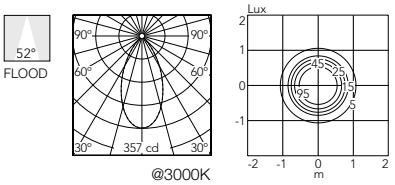
1-10V
- F016A32B001
- F016A32B006
- F016A32B012
- F016A32B018
- F016A32B030
- F016A32B033

Dali
- F016A32D001
- F016A32D006
- F016A32D012
- F016A32D018
- F016A32D030
- F016A32D033

4000K
Non Dimmable
- F016A42A001
- F016A42A006
- F016A42A012
- F016A42A018
- F016A42A030
- F016A42A033

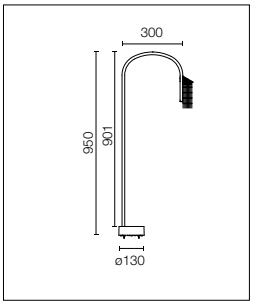
1-10V
- F016A42B001
- F016A42B006
- F016A42B012
- F016A42B018
- F016A42B030
- F016A42B033

Dali
- F016A42D001
- F016A42D006
- F016A42D012
- F016A42D018
- F016A42D030
- F016A42D033



Caule Bollard 2 Nest





IP 66 | IK 04 | 1,9 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F016B22A001
- F016B22A006
- F016B22A012
- F016B22A018
- F016B22A030
- F016B22A033

1-10V
- ○ F016B22B001
- F016B22B006
- F016B22B012
- F016B22B018
- F016B22B030
- F016B22B033

Dali
- ○ F016B22D001
- F016B22D006
- F016B22D012
- F016B22D018
- F016B22D030
- F016B22D033

3000K
Non Dimmable
- ○ F016B32A001
- F016B32A006
- F016B32A012
- F016B32A018
- F016B32A030
- F016B32A033

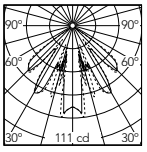
1-10V
- ○ F016B32B001
- F016B32B006
- F016B32B012
- F016B32B018
- F016B32B030
- F016B32B033

Dali
- ○ F016B32D001
- F016B32D006
- F016B32D012
- F016B32D018
- F016B32D030
- F016B32D033

4000K
Non Dimmable
- ○ F016B42A001
- F016B42A006
- F016B42A012
- F016B42A018
- F016B42A030
- F016B42A033

1-10V
- ○ F016B42B001
- F016B42B006
- F016B42B012
- F016B42B018
- F016B42B030
- F016B42B033

Dali
- ○ F016B42D001
- F016B42D006
- F016B42D012
- F016B42D018
- F016B42D030
- F016B42D033

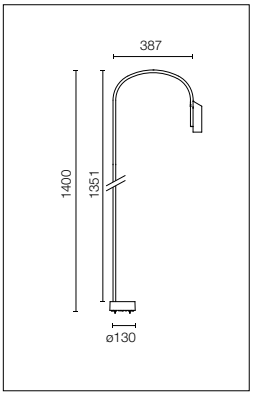


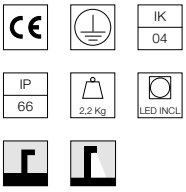
@3000K

h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

Caule Bollard 3







Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F016A23A001
- ● F016A23A006
- ● F016A23A012
- ● F016A23A018
- ● F016A23A030
- ● F016A23A033

1-10V
- ○ F016A23B001
- ● F016A23B006
- ● F016A23B012
- ● F016A23B018
- ● F016A23B030
- ● F016A23B033

Dali
- ○ F016A23D001
- ● F016A23D006
- ● F016A23D012
- ● F016A23D018
- ● F016A23D030
- ● F016A23D033

3000K

Non Dimmable
- ○ F016A33A001
- ● F016A33A006
- ● F016A33A012
- ● F016A33A018
- ● F016A33A030
- ● F016A33A033

1-10V
- ○ F016A33B001
- ● F016A33B006
- ● F016A33B012
- ● F016A33B018
- ● F016A33B030
- ● F016A33B033

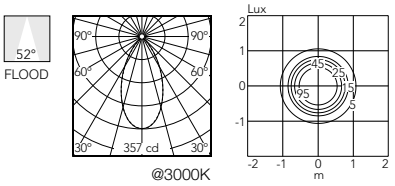
Dali
- ○ F016A33D001
- ● F016A33D006
- ● F016A33D012
- ● F016A33D018
- ● F016A33D030
- ● F016A33D033

4000K

Non Dimmable
- ○ F016A43A001
- ● F016A43A006
- ● F016A43A012
- ● F016A43A018
- ● F016A43A030
- ● F016A43A033

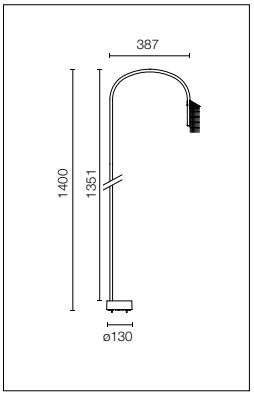
1-10V
- ○ F016A43B001
- ● F016A43B006
- ● F016A43B012
- ● F016A43B018
- ● F016A43B030
- ● F016A43B033

Dali
- ○ F016A43D001
- ● F016A43D006
- ● F016A43D012
- ● F016A43D018
- ● F016A43D030
- ● F016A43D033



Caule Bollard 3 Nest





IP 66 · 2,2 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica ON/OFF o dimmerabile 220-240V integrata. L'apparecchio è installabile su qualsiasi pavimento per mezzo di tasselli. Cassaforma per l'installazione su pavimentazione da gettare con plinto di cemento da ordinare separatamente. Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately. 110V version upon request.

2200K available on request.

Power Led: 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F016B23A001
- ● F016B23A006
- ● F016B23A012
- ● F016B23A018
- ● F016B23A030
- ● F016B23A033

1-10V
- ○ F016B23B001
- ● F016B23B006
- ● F016B23B012
- ● F016B23B018
- ● F016B23B030
- ● F016B23B033

Dali
- ○ F016B23D001
- ● F016B23D006
- ● F016B23D012
- ● F016B23D018
- ● F016B23D030
- ● F016B23D033

3000K
Non Dimmable
- ○ F016B33A001
- ● F016B33A006
- ● F016B33A012
- ● F016B33A018
- ● F016B33A030
- ● F016B33A033

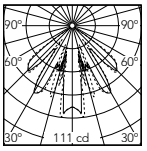
1-10V
- ○ F016B33B001
- ● F016B33B006
- ● F016B33B012
- ● F016B33B018
- ● F016B33B030
- ● F016B33B033

Dali
- ○ F016B33D001
- ● F016B33D006
- ● F016B33D012
- ● F016B33D018
- ● F016B33D030
- ● F016B33D033

4000K
Non Dimmable
- ○ F016B43A001
- ● F016B43A006
- ● F016B43A012
- ● F016B43A018
- ● F016B43A030
- ● F016B43A033

1-10V
- ○ F016B43B001
- ● F016B43B006
- ● F016B43B012
- ● F016B43B018
- ● F016B43B030
- ● F016B43B033

Dali
- ○ F016B43D001
- ● F016B43D006
- ● F016B43D012
- ● F016B43D018
- ● F016B43D030
- ● F016B43D033



@3000K

h(m)	E(lx)	D(m)
1	111	0.40
2	28	0.80
3	12	1.20
4	7	1.60
5	4	2.01

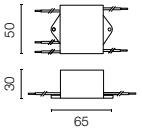
Caule: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.

F990E00A000



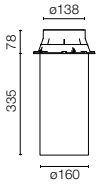


Cassaforma per l'installazione a terra

Box for ground installation.

F016Z000000





Flauta

Designed by Patricia Urquiola





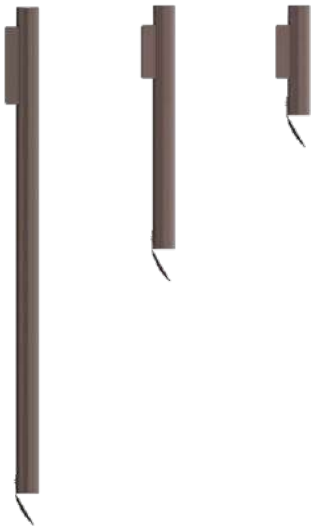
Flauta Spiga 3



Flauta Spiga 1

Famiglia / Family

Flauta Riga



Power Led
12W
2x347 lm - 2700K/CRI 80
2x372 lm - 3000K/CRI 80
2x398 lm - 4000K/CRI 80
2200K available on request.

Flauta Spiga



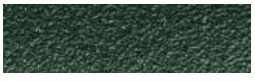
Power Led
12W
2x347 lm - 2700K/CRI 80
2x372 lm - 3000K/CRI 80
2x398 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

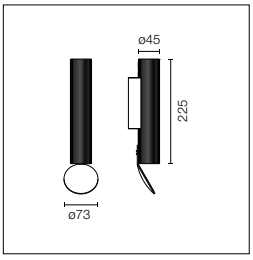
Descrizione / Description

Collezione di apparecchi di illuminazione da esterno a parete con emissione luminosa biemissione, disponibili in tre diverse lunghezze.
Gli apparecchi sono caratterizzati dall'incisione superficiale che si declina in due ricercate varianti: Flauta Riga, con incisioni verticali, Flauta Spiga, caratterizzata da una trama obliqua elegante e sofisticata.
Completa l'apparecchio un accessorio deflettore, verniciato secondo la stessa finitura del corpo lampada, installabile a discrezione sulla testa superiore o sulla inferiore, per creare un effetto decorativo di luce riflessa.
Le parti strutturali dell'apparecchio sono realizzate in alluminio trattato con procedimento di conversione chimica al fine di una efficiente resistenza agli agenti atmosferici. Il corpo è verniciato a polvere e disponibile in varie finiture secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici corrosivi. Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Diffusore in vetro trasparente siliconato per garantire l'impermeabilità.
Sorgente luminosa a LED integrata. Driver integrato nel corpo dell'apparecchio per controllo dimmerabile DALI.

Collection of outdoor wall-mounted light fittings with dual light emission, available in various lengths.
The units are characterised by the surface etching in two refined variations: Flauta Riga, with vertical lines, and Flauta Spiga, characterized by an elegant and sophisticated angular pattern.
Rounding out the device is a deflector accessory painted to match the finish of the lamp body. It can be installed as desired on the upper or lower head to create a decorative effect with reflected light.
The structure is made of aluminium treated with a chemical conversion process for effective resistance to atmospheric agents. The powder coating of the body is available in various finishes according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralised water, and subjected to chemical conversion treatment to protect against rust.
Diffuser in transparent glass, sealed to guarantee water resistance.
Integrated LED light source. Driver integrated in the body of the unit for DALI dimmer control.

Flauta Riga 1





IP 65 · IK 04 · 0,6 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

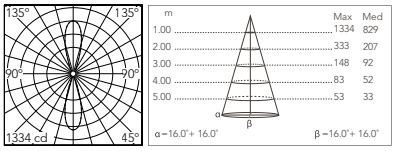
2200K available on request.

Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019A21D001
- ● F019A21D006
- ● F019A21D012
- ● F019A21D018
- ● F019A21D030
- ● F019A21D033

3000K
- ○ F019A31D001
- ● F019A31D006
- ● F019A31D012
- ● F019A31D018
- ● F019A31D030
- ● F019A31D033

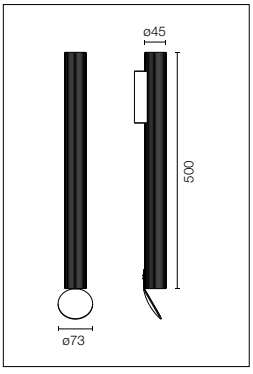
4000K
- ○ F019A41D001
- ● F019A41D006
- ● F019A41D012
- ● F019A41D018
- ● F019A41D030
- ● F019A41D033



@3000K

Flauta Riga 2





IP 65 · IK 04 · 1,4 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

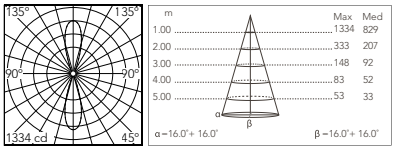
2200K available on request.

Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019A22D001
- ● F019A22D006
- ● F019A22D012
- ● F019A22D018
- ● F019A22D030
- ● F019A22D033

3000K
- ○ F019A32D001
- ● F019A32D006
- ● F019A32D012
- ● F019A32D018
- ● F019A32D030
- ● F019A32D033

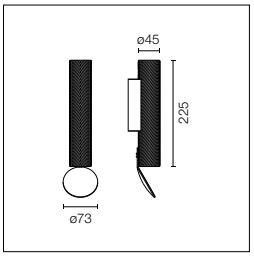
4000K
- ○ F019A42D001
- ● F019A42D006
- ● F019A42D012
- ● F019A42D018
- ● F019A42D030
- ● F019A42D033



@3000K

Flauta Spiga 1





IK 04 | IP 65 | 0,6 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

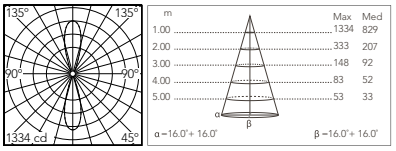
2200K available on request.

Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019B21D001
- ● F019B21D006
- ● F019B21D012
- ● F019B21D018
- ● F019B21D030
- ● F019B21D033

3000K
- ○ F019B31D001
- ● F019B31D006
- ● F019B31D012
- ● F019B31D018
- ● F019B31D030
- ● F019B31D033

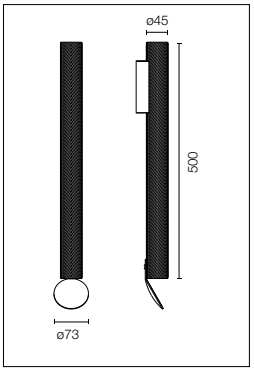
4000K
- ○ F019B41D001
- ● F019B41D006
- ● F019B41D012
- ● F019B41D018
- ● F019B41D030
- ● F019B41D033



@3000K

Flauta Spiga 2





IK 04 | IP 65 | 1,4 Kg | LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

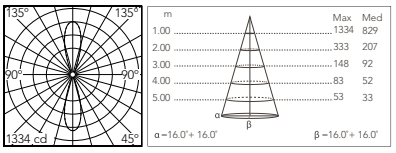
2200K available on request.

Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019B22D001
- ● F019B22D006
- ● F019B22D012
- ● F019B22D018
- ● F019B22D030
- ● F019B22D033

3000K
- ○ F019B32D001
- ● F019B32D006
- ● F019B32D012
- ● F019B32D018
- ● F019B32D030
- ● F019B32D033

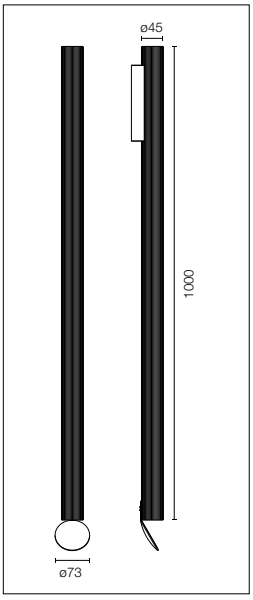
4000K
- ○ F019B42D001
- ● F019B42D006
- ● F019B42D012
- ● F019B42D018
- ● F019B42D030
- ● F019B42D033



@3000K

Flauta Riga 3





IP 65 · IK 04 · 2,6 Kg · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

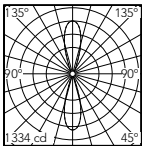
2200K available on request.

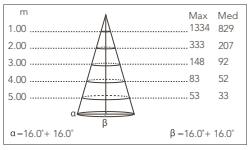
Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019A23D001
- F019A23D006
- F019A23D012
- F019A23D018
- F019A23D030
- F019A23D033

3000K
- ○ F019A33D001
- F019A33D006
- F019A33D012
- F019A33D018
- F019A33D030
- F019A33D033

4000K
- ○ F019A43D001
- F019A43D006
- F019A43D012
- F019A43D018
- F019A43D030
- F019A43D033

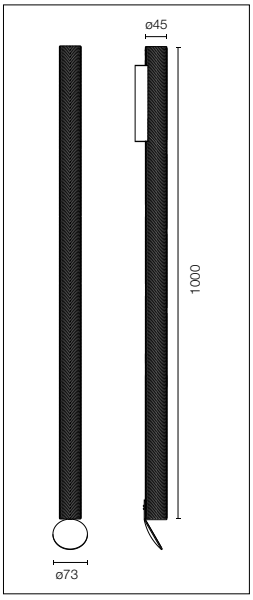




@3000K

Flauta Spiga 3





IP 65 · 2,6 Kg · IK 04 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V dimmerabile DALI integrata. Completa di deflettore per montaggio opzionale sull'emissione superiore o inferiore.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Integrated 220-240V electrical power with DALI dimmer. Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

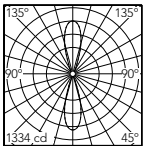
2200K available on request.

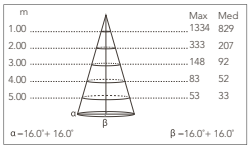
Power Led: 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

2700K
- ○ F019B23D001
- ● F019B23D006
- ● F019B23D012
- ● F019B23D018
- ● F019B23D030
- ● F019B23D033

3000K
- ○ F019B33D001
- ● F019B33D006
- ● F019B33D012
- ● F019B33D018
- ● F019B33D030
- ● F019B33D033

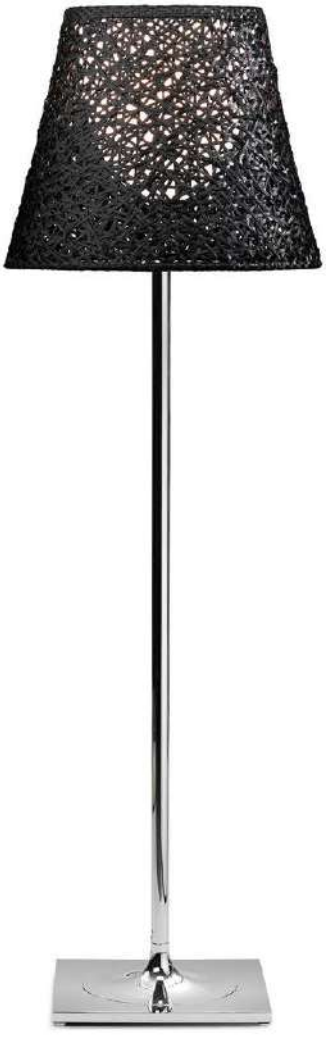
4000K
- ○ F019B43D001
- ● F019B43D006
- ● F019B43D012
- ● F019B43D018
- ● F019B43D030
- ● F019B43D033





@3000K





Lighting in the Rain

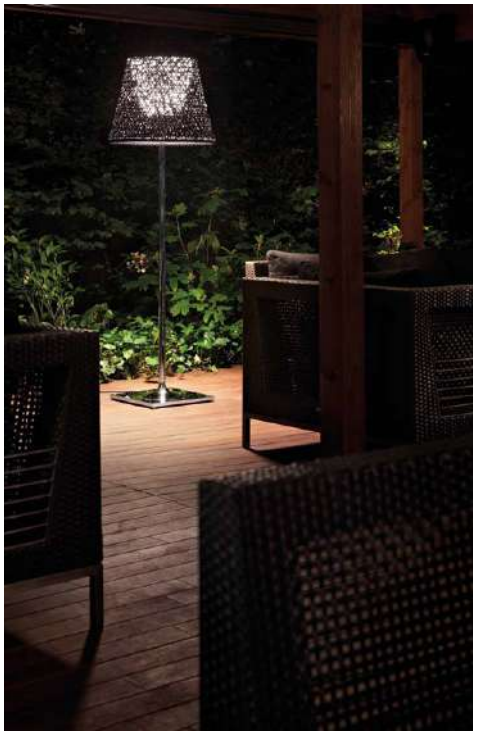
Designed by Philippe Starck





Superarchimoon

Romeo Suspension



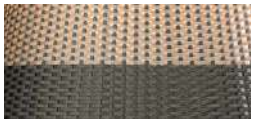
Romeo Floor

Lighting in the Rain



HSGS E27
250W
or
Led
21W
2450 lm - 3000K/CRI 80

Colori / Colours



22 Panama



41 Green Wall

KTribe F3 Outdoor
Lampada da terra a luce diffusa per uso esterno. Base e supporto asta in alluminio pressofuso, asta in alluminio estruso.
Le parti strutturali dell'apparecchio vengono trattate con procedimento di conversione chimica al fine di una efficiente resistenza agli agenti atmosferici. Finitura cromo. Diffusore interno e supporto portalampada in policarbonato stampato ad iniezione. Diffusore esterno ottenuto mediante intrecci di tubolari di PVC colorato, telaio interno in barre di alluminio e verniciato poliestere. Contrappeso in acciaio trattato mediante procedimento di cataforesi, sempre per garantire una efficiente resistenza agli agenti atmosferici. Cover diffusore esterno in alluminio pressofuso verniciato.

Romeo C3 Outdoor
Apparecchio di illuminazione da esterno per installazioni a plafone, a luce diretta e diffusa. Diffusore esterno ottenuto mediante intrecci di tubolari di PVC colorato, su telaio interno in tubolare di alluminio verniciato poliestere. Diffusore interno in policarbonato termoformato sottovuoto di colore opal e rimovibile dall'utente, senza l'uso di attrezzi per la sostituzione della lampada. Supporto diffusore in lega di alluminio pressofuso, anodizzato e verniciato di colore grigio a liquido. Attacco a plafone in lega di alluminio presso fusa con finitura brillantata. Rosone di copertura in policarbonato (PC) stampato ad iniezione. Stelo in acciaio INOX lega 316L – lucidato. Al fine di una efficiente resistenza agli agenti atmosferici, tutti i particolari verniciati vengono trattati con procedimento di conversione chimica anticorrosione.

Superarchimoon Outdoor
Lampada da terra per esterni a luce diretta e diffusa. Diffusore esterno ottenuto mediante intrecci di tubolari di PVC colorato, su telaio interno in tubolare di alluminio verniciato poliestere. Diffusore interno in policarbonato opale stampato ad iniezione.
Le parti strutturali dell'apparecchio (sostegno base, supporto diffusori, bracci, forcelle, leve e tiranti) vengono trattate con procedimento di conversione chimica al fine di una efficiente resistenza agli agenti atmosferici. Il corpo è verniciato di colore grigio. Le molle e le principali componenti meccaniche dell'apparecchio sono realizzate in materiali specifici sempre per una efficiente resistenza agli agenti atmosferici.
L'apparecchio non prevede alcun sistema per le funzioni ON/OFF e la regolazione del flusso luminoso ma presenta un cavo di alimentazione bipolare trasparente di lunghezza utile 10 metri. L'apparecchio è dotato inoltre di scatola di derivazione per un cablaggio adatto alle applicazioni per esterno.

Si raccomanda l'uso di un sistema di connessione con un grado di protezione maggiore o uguale al grado di protezione dell'apparecchio.

KTribe F3 Outdoor
Floor lamp emitting diffused light for outdoor use. Die-cast aluminum base and pole support. Chemical conversion treatment of the structural parts to enhance their resistance to atmospheric agents. Chrome finish. Injection-molded polycarbonate internal diffuser and bulb-holder. External diffuser made from braided colored PVC tubes and inner frame from polyester-painted aluminum tubes. Steel cataphoresis treated coun-terweight for effective weather resistance. Painted die-cast aluminum external diffuser cover.

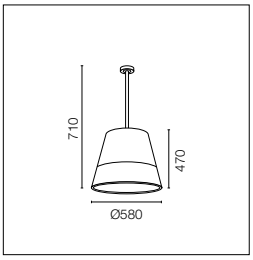
Romeo C3 Outdoor
Suspension luminaire for outdoor use providing direct and diffused light. External diffuser obtained from braided colored PVC tubes, internal frame in polyester-painted aluminum tubes. Inner diffuser in opal-colored, vacuum-formed polycarbonate which is removable for bulb change without the use of tools. Diffuser support in anodized die-cast aluminum alloy, liquid grey painted. Die-cast aluminum alloy ceiling fitting with polished finish. Injection-molded polycarbonate (PC) cover rose. 316L stainless steel pole – polished.
In order to obtain good weather resistance, all the painted details have undergone a chemical conversion treatment for enhanced corrosion resistance.

Superarchimoon Outdoor
Floor lamp for outdoor use providing direct and dif-fused light. External diffuser obtained from braided colored PVC tubes, internal frame in polyester-painted aluminum tubular. Internal diffuser in injection-molded opal polycarbonate.
The structural parts of the luminaire (base support, diffusers support, arms, brackets, levers and tie rods) have been treated with a chemical conversion for enhanced weather resistance. The body is painted in grey. Springs and main mechanical components are also made with special materials for good weather resistance.
The luminaire has no ON/OFF switch or luminous flux adjustment, but has a 10 mt transparent bipolar feeding cord. The luminaire also is equipped with a junction box suitable for outdoor applications.

We recommend using a connection system with a higher or equal protection degree than the one of the luminaire.

Romeo Outdoor C3 Pvc 710 mm





IP 55

7,30 Kg

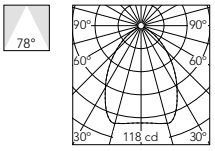
$A^+ \rightarrow E$

Sorgente luminosa esclusa.

Light source not included.

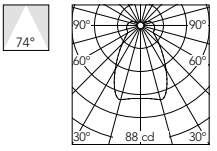
HSGS E27: 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6468022
- F6468041



Panama

Beam Angle:	78°	
h(m)	E(lx)	D(m)
1	118	1.63
2	30	3.26
3	13	4.89
4	7	6.53
5	5	8.16



Green Wall

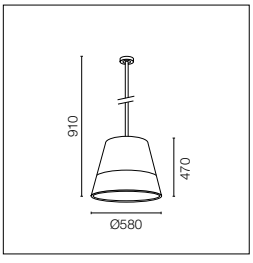
Beam Angle:	74°	
h(m)	E(lx)	D(m)
1	88	1.50
2	22	3.01
3	10	4.51
4	6	6.02
5	4	7.52

Accessori / Accessories

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

Romeo Outdoor C3 Pvc 910 mm





IP 55

7,50 Kg

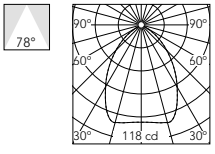
$A^+ \rightarrow E$

Sorgente luminosa esclusa.

Light source not included.

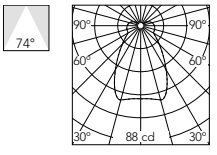
HSGS E27: 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6469022
- F6469041



Panama

Beam Angle:	78°	
h(m)	E(lx)	D(m)
1	118	1.63
2	30	3.26
3	13	4.89
4	7	6.53
5	5	8.16



Green Wall

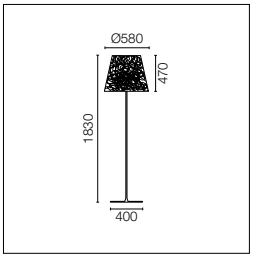
Beam Angle:	74°	
h(m)	E(lx)	D(m)
1	88	1.50
2	22	3.01
3	10	4.51
4	6	6.02
5	4	7.52

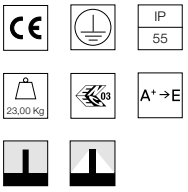
Accessori / Accessories

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

KTribe F3 Outdoor





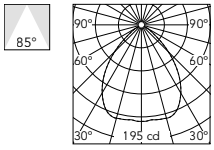


Sorgente luminosa esclusa.

Light source not included.

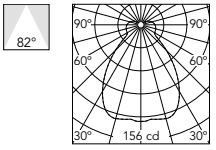
HSGS E27: 1x250W or **1 LED:** 21W - 2450 lm - 3000K Dimming

- F6268022
- F6268041



Panama

Beam Angle:	85°
h(m)	E(lx) D(m)
1	195 1.82
2	49 3.64
3	22 5.46
4	12 7.28
5	8 9.10



Green Wall

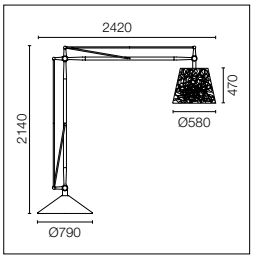
Beam Angle:	82°
h(m)	E(lx) D(m)
1	156 1.74
2	39 3.49
3	17 5.23
4	10 6.98
5	6 8.72

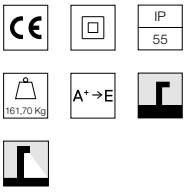
Accessori / Accessories

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

Superarchimoon Outdoor





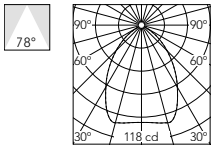


Sorgente luminosa esclusa.

Light source not included.

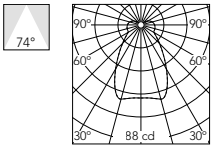
HSGS E27: 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6367022
- F6367041



Panama

Beam Angle:	78°
h(m)	E(lx) D(m)
1	118 1.63
2	30 3.26
3	13 4.89
4	7 6.53
5	5 8.16



Green Wall

Beam Angle:	74°
h(m)	E(lx) D(m)
1	88 1.50
2	22 3.01
3	10 4.51
4	6 6.02
5	4 7.52

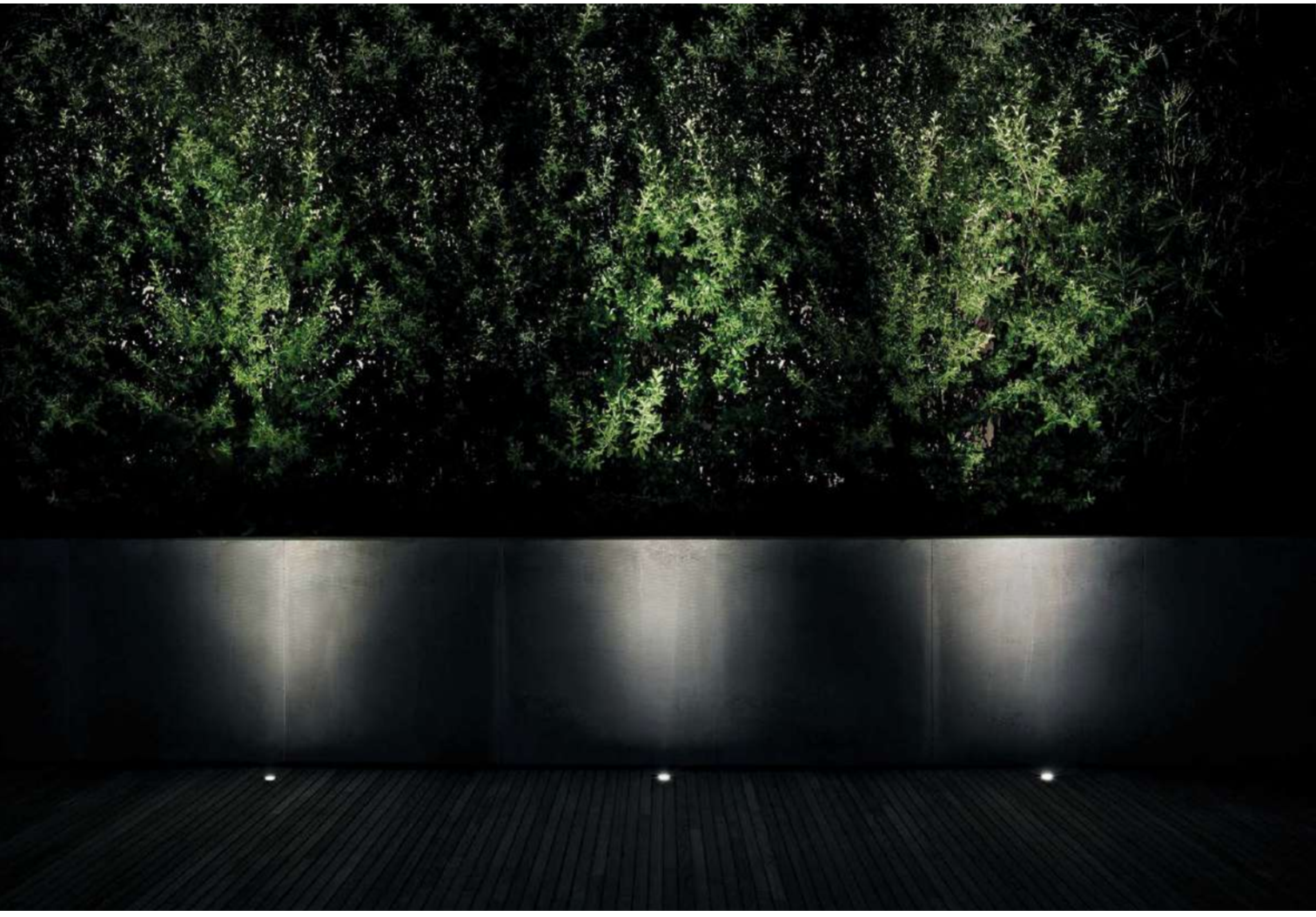
Accessori / Accessories

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

Landlord

Designed by Piero Lissoni





Landlord Ground



Landlord Spot + Pole



Landlord Soft

Famiglia / Family

Landlord Spot



Power Led
2,3W
130 lm - 2700K/CRI 80
135 lm - 3000K/CRI 80
140 lm - 4000K/CRI 80
2200K available on request.

Landlord Spot + Pole



Power Led
3,4W
135 lm - 2700K/CRI 80
140 lm - 3000K/CRI 80
145 lm - 4000K/CRI 80
2200K available on request.

Power Led
7,2W
442 lm - 2700K/CRI 80
457 lm - 3000K/CRI 80
492 lm - 4000K/CRI 80

Landlord Soft



Power Led
5W
242 lm - 2700K/CRI 80
252 lm - 3000K/CRI 80
269 lm - 4000K/CRI 80
2200K available on request.

Landlord Ground



Power Led
2,3W
121 lm - 2700K/CRI 80
125 lm - 3000K/CRI 80
130 lm - 4000K/CRI 80
2200K available on request.

Power Led
3,4W
183 lm - 2700K/CRI 80
189 lm - 3000K/CRI 80
196 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

Landlord Spot / Soft

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite



71 Anodized Black

Landlord Ground



56 Matt Stainless Steel

Landlord Spot
Proiettore IP66 per uso esterno composto da un corpo in alluminio tornito e alimentato a 24V, disponibile con temperature di colore da 2700K, 3000K e 4000K. Sull'asse orizzontale è possibile orientare il faretto di 359°, sull'asse verticale fino a 30° verso il basso e fino a 90° verso l'alto. I faretti Landlord sono disponibili in due dimensioni, con testa ø40 e ø50, entrambe dotate di ghiera anteriore smontabile, per installare lenti flood oppure fino a due honeycomb per il massimo comfort visivo.
I faretti Landlord possono essere installati su picchetti per terreni rigidi, con la possibilità di un picchetto opzionale, su base in muratura, oppure sull'innovativa cintura per alberi, progettata per fissare l'apparecchio d'illuminazione direttamente ai rami delle piante.

Landlord Soft
Proiettore IP65 per uso esterno, progettato per offrire una luce diffusa.
È caratterizzato da una testa a forma di disco in alluminio, con un fascio orientabile fino a 20° e bloccabile nella posizione desiderata; da alimentare a 24V e disponibile con temperature di colore da 2700K, 3000K e 4000K.
È lo strumento perfetto per illuminare siepi, aiuole e aree di transito con un fascio di luce diffusa omogenea.
Landlord Soft può essere installato su picchetti per terreni rigidi, con la possibilità di un picchetto opzionale.

Landlord Ground
Apparecchi d'illuminazione IP66 / IP67 da incasso a terra, alimentato a 24V. Corpo in alluminio anodizzato e poi resinato, anello esterno in acciaio inossidabile pallinato, che contiene tutta l'elettronica di controllo. Testa disponibile in due dimensioni, ø49 mm e ø64 mm, con emissione frontale o radente (uno, due o quattro fasci).
Le versioni a emissione frontale sono disponibili con ottica spot o media, o con honeycomb integrato non rimovibile, per un comfort visibile massimo.
Da installare mediante la propria scatola d'installazione.

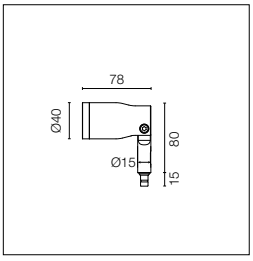
Landlord Spot
IP66 projector for external use made of turned aluminium body and powered at 24V, and available in 2700K, 3000K and 4000K colour temperatures. With reference to the horizontal axis the spotlight can be swivelled by 359°, on the vertical axis by up to 30° down and up to 90º up.
Landlord Spots are available in two sizes, ø40 and ø50 head, both equipped with desmontable front ferrule, in order to install flood lens or up to two honeycombs for maximum visual confort.
Landlord Spots can be installed on solid ground spikes, with the possibility of an optional picket, on wall base, or on the innovative tree belt, designed to fix the luminaries directly on tree branches.

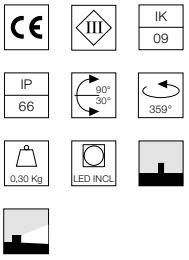
Landlord Soft
IP65 projector for external use, designed to offer diffuse lighting.
It is characterized by an aluminium disk shape head, orientable up to 20º beam and lockable in position, to be powered at 24V, and available in 2700K, 3000K and 4000K colour temperature.
It is the perfect tool to light bushes, flowerbed and transit areas with an homogenous diffuse light beam.
Landlord Soft can be installed on solid ground spikes, with the possibility of an optional picket.

Landlord Ground
IP66 / IP67 luminaries for ground recessed installation, powered 24V. Body in anodized, then resined aluminium, external ring in shot-peened stainless steel, encasing the entire control electronics. Head available in two sizes, ø49 mm, and ø64 mm, with frontal or grazing emission (one, two or four beams).
Frontal emission version are available with spot or medium optic, or with integrated non removable honeycomb, for maximum visual confort.
To be installed in its installation box.

Landlord Spot Ø40







Testa del faretto orientabile per l'installazione su paletti a terra o su base in muratura.
I paletti e la base devono essere ordinati come accessori separati.
Le teste sono dotate di una ghiera smontabile, per inserire lenti flood o fino a due honeycomb (da ordinare come accessori separati).
Alimentazione elettrica remota 24V da ordinare separatamente.
Ogni testa è dotata di un segmento di cavo in uscita da 2000 mm e kit di cablaggio.

2200K disponibile su richiesta.

Spot adjustable head for installation on ground poles or on wall base.
Poles and base to be ordered as separated accessories.
Heads are equipped with a dismountable ferrule, to insert flood lens or up to two honeycombs, (to be ordered as separate accessories).
24V remote power supply to be ordered separately.
Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

2200K available on request.

Optic Spot 12°

Power Led: 2,3W - 188 lm ≠ *FIXT 130 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 135 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 140 lm - 4000K/CRI 80 - 24V

2700K

PWM Dimmable

- ○ F004D21A001
- ● F004D21A006
- ● F004D21A012
- ● F004D21A018
- ● F004D21A030
- ● F004D21A033
- ● F004F21A071

3000K

PWM Dimmable

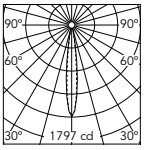
- ○ F004D31A001
- ● F004D31A006
- ● F004D31A012
- ● F004D31A018
- ● F004D31A030
- ● F004D31A033
- ● F004F31A071

4000K

PWM Dimmable

- ○ F004D41A001
- ● F004D41A006
- ● F004D41A012
- ● F004D41A018
- ● F004D41A030
- ● F004D41A033
- ● F004F41A071





@4000K

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	1797	0.24
2	449	0.48
3	200	0.72
4	112	0.97
5	72	1.21

Optic Medium 34°

Power Led: 2,3W - 188 lm ≠ *FIXT 122 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 127 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 131lm - 4000K/CRI 80 - 24V

2700K

PWM Dimmable

- ○ F004D22A001
- ● F004D22A006
- ● F004D22A012
- ● F004D22A018
- ● F004D22A030
- ● F004D22A033
- ● F004F22A071

3000K

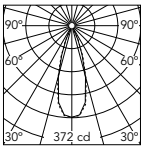
PWM Dimmable

- ○ F004D32A001
- ● F004D32A006
- ● F004D32A012
- ● F004D32A018
- ● F004D32A030
- ● F004D32A033
- ● F004F32A071

4000K

- ○ F004D42A001
- ● F004D42A006
- ● F004D42A012
- ● F004D42A018
- ● F004D42A030
- ● F004D42A033
- ● F004F42A071





@4000K

Beam Angle:	34°
h(m)	E(lx)	D(m)
1	372	0.59
2	93	1.18
3	41	1.77
4	23	2.36
5	15	2.95

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

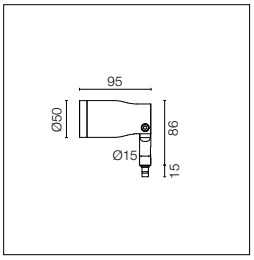
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

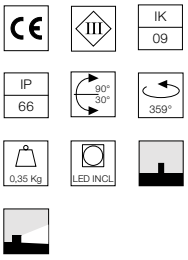
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	3	Acc. F990B02A000	13
Acc. RF25748	3	Acc. F990B03A000	13
Acc. RF25747	4	Acc. F990B16A000	13
Acc. RF25757	4	Acc. F990B04A000	28
Acc. F990B23AZ00	12	Acc. F990B05A000	28
Acc. F990B28A000	17	Acc. F990B17A000	28
Acc. F990B27A000	27		

Landlord Spot Ø50







Testa del faretto orientabile per l'installazione su paletti a terra o su base in muratura.
I paletti e la base devono essere ordinati come accessori separati.
Le teste sono dotate di una ghiera smontabile, per inserire lenti flood o fino a due honeycomb (da ordinare come accessori separati).
Alimentazione elettrica remota 24V da ordinare separatamente.
Ogni testa è dotata di un segmento di cavo in uscita da 2000 mm e kit di cablaggio.

Optic Narrow Spot
2200K disponibile su richiesta.

Spot adjustable head for installation on ground poles or on wall base.
Poles and base to be ordered as separated accessories.
Heads are equipped with a dismountable ferrule, to insert flood lens or up to two honeycombs, (to be ordered as separate accessories).
24V remote power supply to be ordered separately.
Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

Optic Narrow Spot
2200K available on request.

Optic Narrow Spot 7°

Power Led: 3,4W - 251 lm ≠ FIXT 135 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 140 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 145 lm - 4000K/CRI 80 - 24V

2700K

PWM Dimmable
- ○ F004E21A001
- ● F004E21A006
- ● F004E21A012
- ● F004E21A018
- ● F004E21A030
- ● F004E21A033
- ● F004G21A071

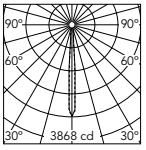
3000K

PWM Dimmable
- ○ F004E31A001
- ● F004E31A006
- ● F004E31A012
- ● F004E31A018
- ● F004E31A030
- ● F004E31A033
- ● F004G31A071

4000K

PWM Dimmable
- ○ F004E41A001
- ● F004E41A006
- ● F004E41A012
- ● F004E41A018
- ● F004E41A030
- ● F004E41A033
- ● F004G41A071





@4000K

Beam Angle:		7°
h(m)	E(lx)	D(m)
1	3868	0.14
2	967	0.28
3	430	0.41
4	242	0.55
5	155	0.69

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	1	Acc. F990B02A000	7
Acc. RF25748	1	Acc. F990B03A000	7
Acc. RF25747	3	Acc. F990B16A000	7
Acc. RF25757	3	Acc. F990B04A000	17
Acc. F990B23AZ00	7	Acc. F990B05A000	17
Acc. F990B28A000	9	Acc. F990B17A000	17
Acc. F990B27A000	17		

Optic Medium 24°

Power Led: 7,2W - 666 lm ≠ FIXT 442 lm - 2700K/CRI 80 - 24V / 7,2W - 689 lm ≠ FIXT 457 lm - 3000K/CRI 80 - 24V / 7,2W - 741 lm ≠ FIXT 492 lm - 4000K/CRI 80 - 24V

2700K

PWM Dimmable
- ○ F004E22A001.A
- ● F004E22A006.A
- ● F004E22A012.A
- ● F004E22A018.A
- ● F004E22A030.A
- ● F004E22A033.A
- ● F004G22A071.A

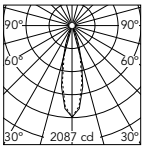
3000K

PWM Dimmable
- ○ F004E32A001.A
- ● F004E32A006.A
- ● F004E32A012.A
- ● F004E32A018.A
- ● F004E32A030.A
- ● F004E32A033.A
- ● F004G32A071.A

4000K

PWM Dimmable
- ○ F004E42A001
- ● F004E42A006
- ● F004E42A012
- ● F004E42A018
- ● F004E42A030
- ● F004E42A033
- ● F004G42A071





@4000K

Beam Angle:		24°
h(m)	E(lx)	D(m)
1	2087	0.47
2	522	0.94
3	232	1.41
4	130	1.88
5	83	2.35

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

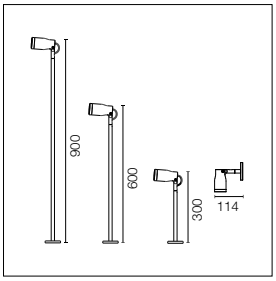
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	1	Acc. F990B02A000	3
Acc. RF25748	1	Acc. F990B03A000	3
Acc. RF25747	1	Acc. F990B16A000	3
Acc. RF25757	1	Acc. F990B04A000	7
Acc. F990B23AZ00	3	Acc. F990B05A000	7
Acc. F990B28A000	6	Acc. F990B17A000	7
Acc. F990B27A000	9		

Landlord Spot: Testa + accessorio paletto / Head + pole accessory

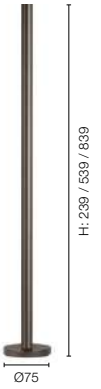
Spot Ø40





Paletto con base.
Pronta per l'installazione su superficie solida.
Per l'installazione a terra, completare con il picchetto da ordinare separatamente.

Pole with base.
Ready for installation on solid surface.
Ground installation needs earth stick use, to be ordered as separated item.



H 300 mm

- ○ F004Z010001
- F004Z010006
- F004Z010012
- F004Z010018
- F004Z010030
- F004Z010033
- F004Z0D0071

H 600 mm

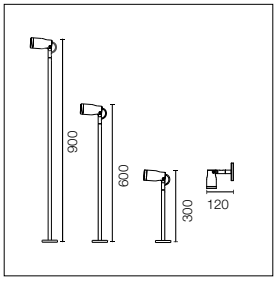
- ○ F004Z020001
- F004Z020006
- F004Z020012
- F004Z020018
- F004Z020030
- F004Z020033
- F004Z0E0071

H 900 mm

- ○ F004Z030001
- F004Z030006
- F004Z030012
- F004Z030018
- F004Z030030
- F004Z030033
- F004Z0F0071

Spot Ø50



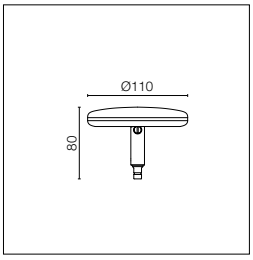


Landlord Spot: Accessori / Accessories

Base da parete.	Wall base.	○ F004Z040001 F004Z040006 F004Z040012 F004Z040018 F004Z040030 F004Z040033 F004Z0A0071	
Picchetto. Da montare sui paletti con base.	Earth stick. To be mounted on poles with base.	F004Z060000	
Honeycomb.	Honeycomb.	Landlord Spot Ø40 F004Z0B0000 Landlord Spot Ø50 F004Z0L0000	
Lente flood.	Flood lens.	Landlord Spot Ø40 F004Z0C0000 Landlord Spot Ø50 F004Z0H0000	
Cinghia per alberi. Accessorio per installazione spot direttamente sul ramo di un albero, da ø30 mm fino a ø100 mm. Finitura Deep Brown.	Tree strap. Accessory for spot installation directly on tree branch, from ø30mm up to ø100mm. Deep Brown finishing.	F004Z070000	

Landlord Soft





IP 65 · IK 07 · 20° · 359° · 0,40 Kg · LED INCL

Testa orientabile a 20° per l'installazione su paletti a terra. I paletti devono essere ordinati come accessori separati. Alimentazione elettrica 24V da ordinare separatamente. Ogni testa è dotata di un segmento di cavo in uscita da 2000 mm e kit di cablaggio.

2200K disponibile su richiesta.

20° adjustable head for installation on ground poles. Poles to be ordered as separated accessories. 24V remote power supply to be ordered separately. Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

2200K available on request.

Top Led: 5W - 379 lm ≠ FIXT 242 lm - 2700K/CRI 80 - 24V / 5W - 395 lm ≠ FIXT 252 lm - 3000K/CRI 80 - 24V / 5W - 421 lm ≠ FIXT 269 lm - 4000K/CRI 80 - 24V

2700K

PWM Dimmable

- ○ F004C20A001
- ● F004C20A006
- ● F004C20A012
- ● F004C20A018
- ● F004C20A030
- ● F004C20A033
- ● F004H20A071

3000K

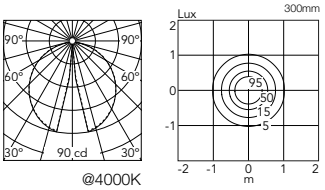
PWM Dimmable

- ○ F004C30A001
- ● F004C30A006
- ● F004C30A012
- ● F004C30A018
- ● F004C30A030
- ● F004C30A033
- ● F004H30A071

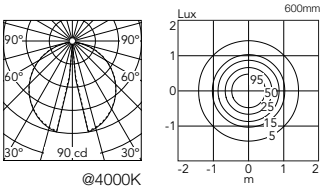
4000K

PWM Dimmable

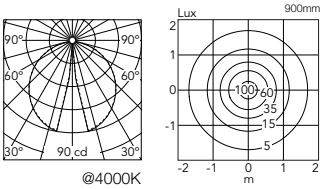
- ○ F004C40A001
- ● F004C40A006
- ● F004C40A012
- ● F004C40A018
- ● F004C40A030
- ● F004C40A033
- ● F004H40A071



@4000K



@4000K



@4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

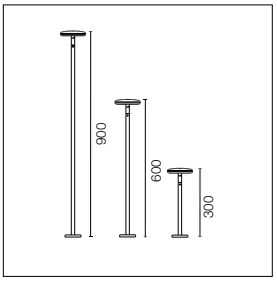
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	1	Acc. RF26387.A	3
Acc. RF25748	1	Acc. F990B02A000	5
Acc. RF25747	1	Acc. F990B03A000	5
Acc. RF25757	1	Acc. F990B16A000	5
Acc. F990B23AZ00	3	Acc. F990B04A000	12
Acc. F990B28A000	6	Acc. F990B05A000	12
Acc. F990B27A000	9	Acc. F990B17A000	12

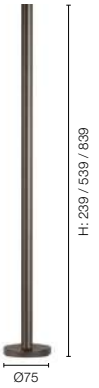
Landlord Soft: Testa + accessorio paletto / Head + pole accessory





Paletto con base.
Pronta per l'installazione su superficie solida.
Per l'installazione a terra, completare con il picchetto da ordinare separatamente.

Pole with base.
Ready for installation on solid surface.
Ground installation needs earth stick use, to be ordered as separated item.

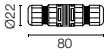
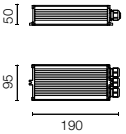


H 300 mm
- F004Z010001
- F004Z010006
- F004Z010012
- F004Z010018
- F004Z010030
- F004Z010033
- F004Z0D0071

H 600 mm
- F004Z020001
- F004Z020006
- F004Z020012
- F004Z020018
- F004Z020030
- F004Z020033
- F004Z0E0071

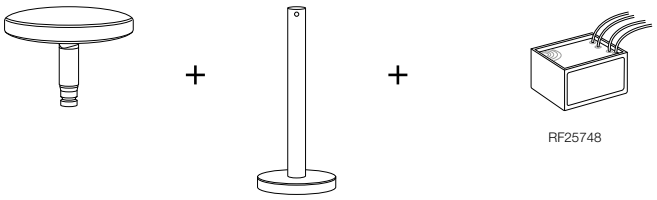
H 900 mm
- F004Z030001
- F004Z030006
- F004Z030012
- F004Z030018
- F004Z030030
- F004Z030033
- F004Z0F0071

Landlord Soft: Accessori / Accessories

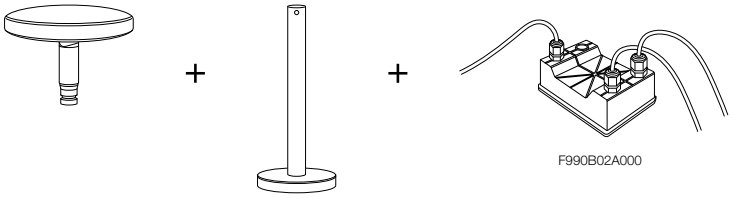
Picchetto. Da montare sui paletti con base.	Earth stick. To be mounted on poles with base.	F004Z060000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C00A000	 
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	Landlord Soft Only for Dali version RF26387.A Dimmable DALI	 

Esempi di Configurazione / Examples of Configuration

ON-OFF (non dimmerabile) = codice prodotto (F004C30A001 + F004Z010001) + alimentatore 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748)
ON-OFF (non dimmable) = luminaire code (F004C30A001 + F004Z010001) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748)

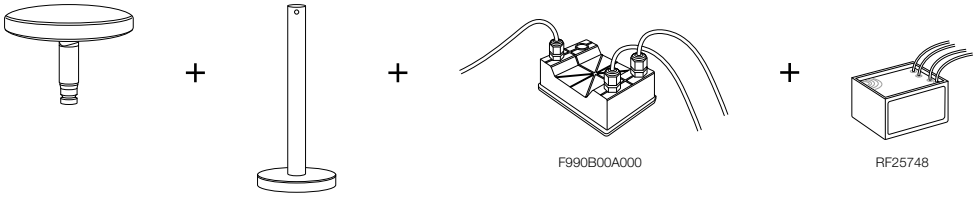


Dimmerabile 1-10V = codice prodotto (F004C30A001 + F004Z010001) + alimentatore 35W / 120-270Vac / 24Vdc 1-10V PWM control IP67 (F990B02A000)
Dimmable 1-10V = luminaire code (F004C30A001 + F004Z010001) + power supply 35W / 120-270Vac / 24Vdc 1-10V PWM control IP67 (F990B02A000)

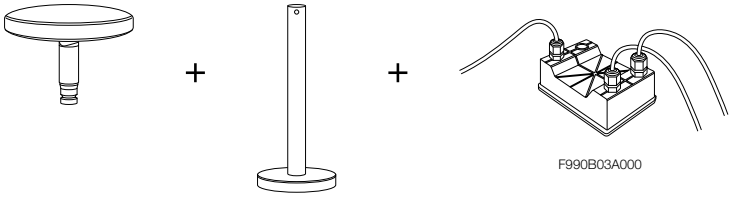


Dimmerabile 1-10V: interfaccia PWM + alimentatore = codice prodotto (F004C30A001 + F004Z010001) + interfaccia di controllo 1-10V PWM 24Vdc 120W IP67 (F990B00A000) + alimentatore 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) o altro alimentatore remoto 24Vdc

Dimmable 1-10V : PWM control interface + power supply = luminaire code (F004C30A001 + F004Z010001) + PWM control interface 1-10V PWM 24Vdc 120W IP67 (F990B00A000) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) or other remote power supply

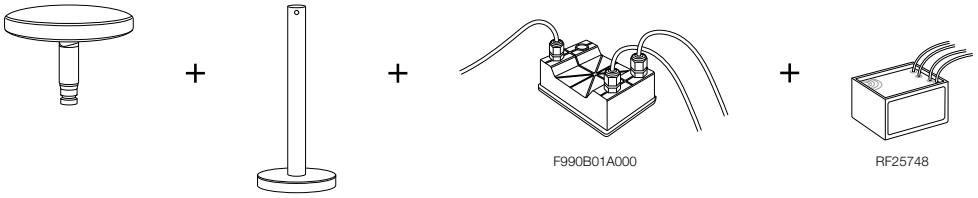


Dimmerabile DALI = codice prodotto (F004C30A001 + F004Z010001) + alimentatore 35W / 120-270Vac / 24Vdc DALI PWM control IP67 (F990B03A000)
Dimmable DALI = luminaire code (F004C30A001 + F004Z010001) + power supply 35W / 120-270Vac / 24Vdc DALI PWM control IP67 (F990B03A000)



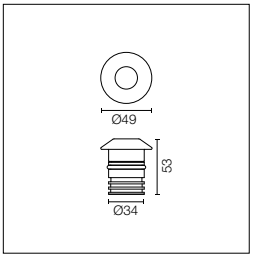
Dimmerabile DALI: interfaccia PWM + alimentatore = codice prodotto (F004C30A001 +F004Z010001) + interfaccia di controllo DALI PWM 24Vdc 120W IP67 (F990B01A000) + alimentatore 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) o altro alimentatore remoto 24Vdc

Dimmable DALI: PWM control interface + power supply = luminaire code (F004C30A001 + F004Z010001) + PWM control interface DALI PWM 24Vdc 120W IP67 (F990B01A000) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) or other remote power supply



Landlord Ground 49





IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 2,3W - 188 lm ≠ *FIXT 121 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 125 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 130 lm - 4000K/CRI 80 - 24V
*FIXT lm = Spot Optic

Optic Spot 14°

2700K

Non Dimmable
- F004A21A056

PWM Dimmable
- F004A21H056

Non Dimmable with honeycomb
- F004A26A05601

3000K

Non Dimmable
- F004A31A056

PWM Dimmable
- F004A31H056

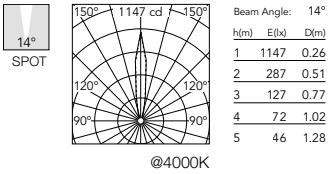
Non Dimmable with honeycomb
- F004A36A05601

4000K

Non Dimmable
- F004A41A056

PWM Dimmable
- F004A41H056

Non Dimmable with honeycomb
- F004A46A05601



Beam Angle:	14°
h(m)	E(lx)	D(m)
1	1147	0.26
2	287	0.51
3	127	0.77
4	72	1.02
5	46	1.28

Optic Medium 40°

2700K

Non Dimmable
- F004A22A056

PWM Dimmable
- F004A22H056

Non Dimmable with honeycomb
- F004A27A05602

3000K

Non Dimmable
- F004A32A056

PWM Dimmable
- F004A32H056

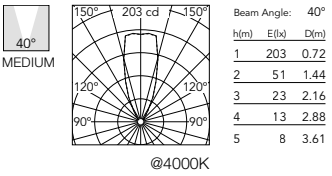
Non Dimmable with honeycomb
- F004A37A05602

4000K

Non Dimmable
- F004A42A056

PWM Dimmable
- F004A42H056

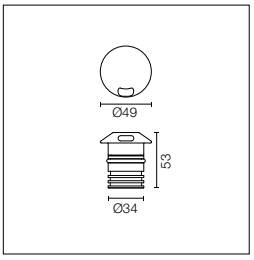
Non Dimmable with honeycomb
- F004A47A05602



Beam Angle:	40°
h(m)	E(lx)	D(m)
1	203	0.72
2	51	1.44
3	23	2.16
4	13	2.88
5	8	3.61

Landlord Ground 49 1 Beam





IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 2,3W - 188 lm ≠ FIXT 8 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 9 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 9 lm - 4000K/CRI 80 - 24V

2700K

Non Dimmable
- F004A23A056

PWM Dimmable
- F004A23H056

3000K

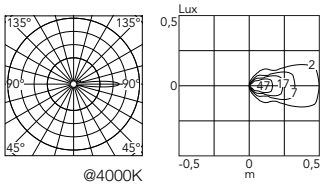
Non Dimmable
- F004A33A056

PWM Dimmable
- F004A33H056

4000K

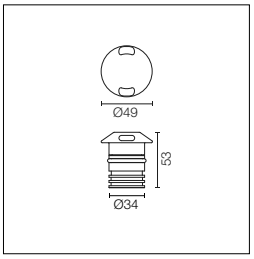
Non Dimmable
- F004A43A056

PWM Dimmable
- F004A43H056



Landlord Ground 49 2 Beams





IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 2,3W - 188 lm ≠ FIXT 16 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 17 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 18 lm - 4000K/CRI 80 - 24V

2700K

Non Dimmable
- F004A24A056

PWM Dimmable
- F004A24H056

3000K

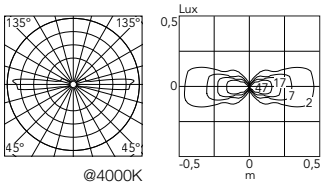
Non Dimmable
- F004A34A056

PWM Dimmable
- F004A34H056

4000K

Non Dimmable
- F004A44A056

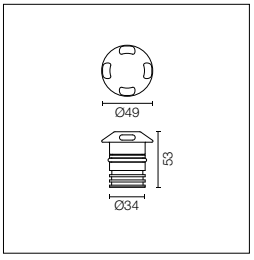
PWM Dimmable
- F004A44H056



@4000K

Landlord Ground 49 4 Beams





IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 2,3W - 188 lm ≠ FIXT 32 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 34 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 36 lm - 4000K/CRI 80 - 24V

2700K

Non Dimmable
- F004A25A056

PWM Dimmable
- F004A25H056

3000K

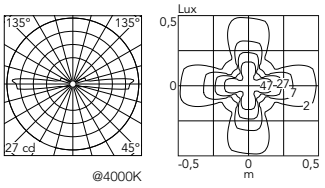
Non Dimmable
- F004A35A056

PWM Dimmable
- F004A35H056

4000K

Non Dimmable
- F004A45A056

PWM Dimmable
- F004A45H056



@4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

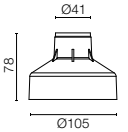
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	2	Acc. F990B02A000	13
Acc. RF25748	2	Acc. F990B03A000	13
Acc. RF25747	3	Acc. F990B16A000	13
Acc. RF25757	3	Acc. F990B04A000	28
Acc. F990B23AZ00	9	Acc. F990B05A000	28
Acc. F990B28A000	14	Acc. F990B17A000	28
Acc. F990B27A000	29		

Landlord Ground Ø49: Accessori / Accessories

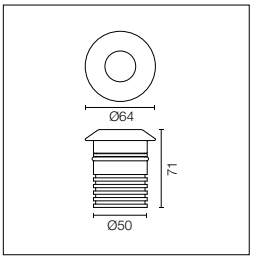
Cassaforma. Box for installation. F004Z0J0000





Landlord Ground 64





IK 10 | IP 66 | IP 67 | 0,35 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 3,4W - 251 lm ≠ *FIXT 183 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ *FIXT 189 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ *FIXT 196 lm - 4000K/CRI 80 - 24V
*FIXT lm = Spot Optic

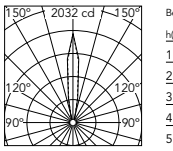
Optic Spot 15°

2700K
Non Dimmable
F004B21A056
PWM Dimmable
F004B21H056
Non Dimmable with honeycomb
F004B26A05601

3000K
Non Dimmable
F004B31A056
PWM Dimmable
F004B31H056
Non Dimmable with honeycomb
F004B36A05601

4000K
Non Dimmable
F004B41A056
PWM Dimmable
F004B41H056
Non Dimmable with honeycomb
F004B46A05601

15° SPOT



@4000K

Beam Angle:	15°
h(m)	E(lx)	D(m)
1	2032	0.27
2	508	0.53
3	226	0.80
4	127	1.06
5	81	1.33

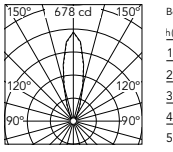
Optic Medium 25°

2700K
Non Dimmable
F004B22A056
PWM Dimmable
F004B22H056
Non Dimmable with honeycomb
F004B27A05602

3000K
Non Dimmable
F004B32A056
PWM Dimmable
F004B32H056
Non Dimmable with honeycomb
F004B37A05602

4000K
Non Dimmable
F004B42A056
PWM Dimmable
F004B42H056
Non Dimmable with honeycomb
F004B47A05602

25° MEDIUM

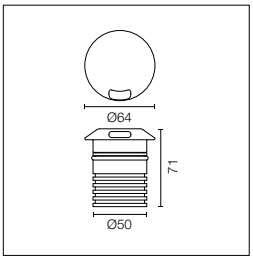


@4000K

Beam Angle:	25°
h(m)	E(lx)	D(m)
1	678	0.46
2	169	0.92
3	75	1.38
4	42	1.84
5	27	2.30

Landlord Ground 64 1 Beam





IK 10 | IP 66 | IP 67 | 0,35 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

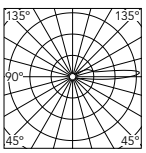
2200K available on request.

Power Led: 3,4W - 251 lm ≠ FIXT 11 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 12 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 12 lm - 4000K/CRI 80 - 24V

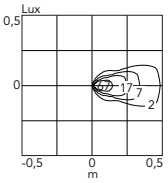
2700K
Non Dimmable
F004B23A056
PWM Dimmable
F004B23H056

3000K
Non Dimmable
F004B33A056
PWM Dimmable
F004B33H056

4000K
Non Dimmable
F004B43A056
PWM Dimmable
F004B43H056

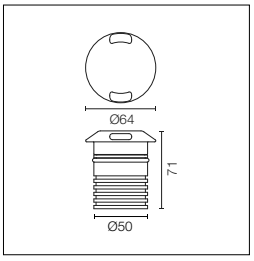


@4000K



Landlord Ground 64 2 Beams





IK 10 | IP 66 | IP 67 | 0,35 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 3,4W - 251 lm ≠ FIXT 22 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 23 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 24 lm - 4000K/CRI 80 - 24V

2700K
Non Dimmable
- F004B24A056

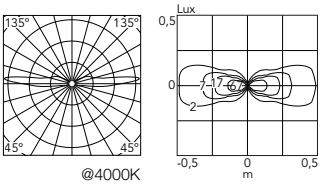
PWM Dimmable
- F004B24H056

3000K
Non Dimmable
- F004B34A056

PWM Dimmable
- F004B34H056

4000K
Non Dimmable
- F004B44A056

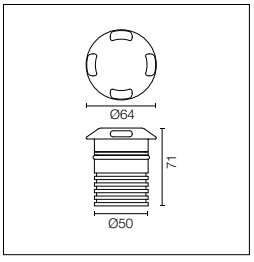
PWM Dimmable
- F004B44H056



@4000K

Landlord Ground 64 4 Beams





IK 10 | IP 66 | IP 67 | 0,35 Kg | LED INCL

Alimentazione elettrica remota 24V da ordinare separatamente. Necessaria cassaforma per installazione, da ordinare separatamente.

2200K disponibile su richiesta.

24V remote power supply to be ordered separately. Necessary box for installation, to be ordered separately.

2200K available on request.

Power Led: 3,4W - 251 lm ≠ FIXT 44 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 46 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 48 lm - 4000K/CRI 80 - 24V

2700K
Non Dimmable
- F004B25A056

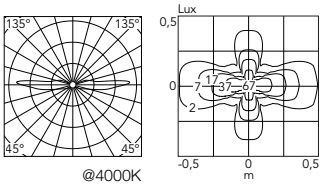
PWM Dimmable
- F004B25H056

3000K
Non Dimmable
- F004B35A056

PWM Dimmable
- F004B35H056

4000K
Non Dimmable
- F004B45A056

PWM Dimmable
- F004B45H056



@4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

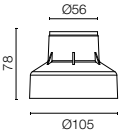
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	1	Acc. F990B02A000	7
Acc. RF25748	1	Acc. F990B03A000	7
Acc. RF25747	3	Acc. F990B16A000	7
Acc. RF25757	3	Acc. F990B04A000	17
Acc. F990B23AZ00	7	Acc. F990B05A000	17
Acc. F990B28A000	9	Acc. F990B17A000	17
Acc. F990B27A000	17		

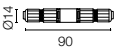
Landlord Ground Ø64: Accessori / Accessories

Cassaforma. Box for installation. F004Z0K0000

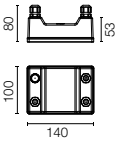
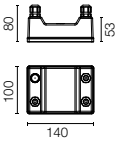
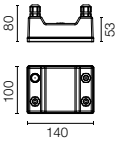
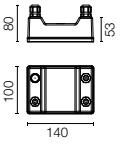
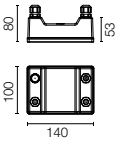
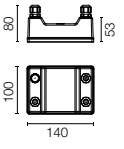




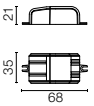
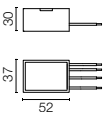
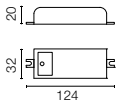
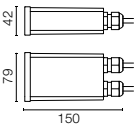
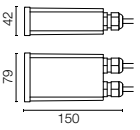
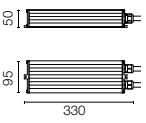
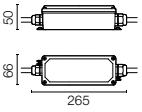
Landlord: Accessori / Accessories

Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

Landlord (all versions): Power Supply Dimmable

Alimentatore 24V PWM con interfaccia di controllo 1-10V IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B02A000 70W *F990B04A000		
Alimentatore 24V PWM con interfaccia di controllo DALI IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with DALI control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B03A000 70W *F990B05A000		
Alimentatore 24V PWM con interfaccia di controllo PUSH IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with PUSH control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B16A000 70W *F990B17A000		
Interfaccia di controllo 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B00A000		
Interfaccia di controllo 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B01A000		
Interfaccia di controllo 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B18A000		

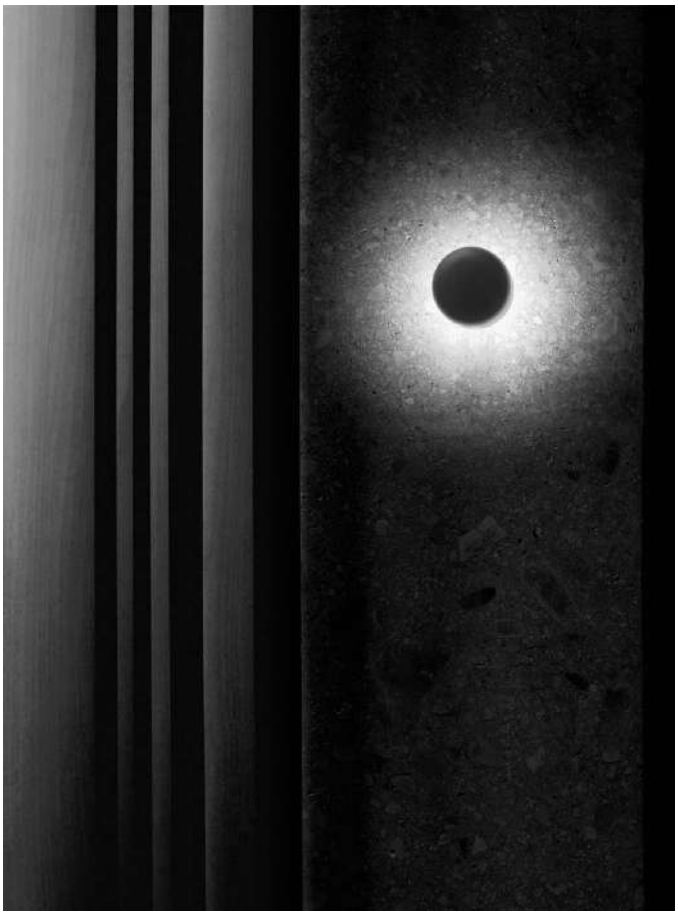
Landlord: Power Supply Non Dimmable

Alimentatore doppia funzione 24V / 350mA IP20 Classe II selv. no dimmerabile.	Power supply dual function 24V / 350mA IP20 Class II selv no dimmable.	*RF25754		
Alimentatore doppia funzione 24V / Iout 350mA 110-240V IP65.	Power supply dual function 24V / Iout 350mA 110-240V IP65.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Bellhop

Designed by Edward Barber & Jay Osgerby





Bellhop Wall



Bellhop Pole



Bellhop Bollard

Famiglia / Family

Bellhop Wall



Power Led
8W
551 lm - 2700K/CRI 80
580 lm - 3000K/CRI 80
607 lm - 4000K/CRI 80
2200K available on request.

Bellhop Bollard



Power Led
8W
551 lm - 2700K/CRI 80
580 lm - 3000K/CRI 80
607 lm - 4000K/CRI 80
2200K available on request.

Bellhop Pole



Power Led
30W
2490 lm - 2700K/CRI 80
2590 lm - 3000K/CRI 80
2760 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White*



06 Grey



12 Forest Green*



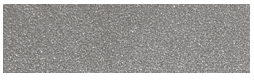
18 Deep Brown



30 Black*



33 Anthracite



56 Matt Stainless Steel*

* Solo per versioni bollard e wall. / Only for bollard and wall versions.

Bellhop Wall
Apparecchi di illuminazione da parete della collezione per esterni Bellhop con illuminazione diffusa; è realizzata in alluminio estruso e pressofuso oppure in acciaio inossidabile.

Bellhop Bollard
Versione Bollard della collezione per esterni di Bellhop per un'illuminazione diffusa. Realizzata in alluminio estruso e pressofuso o acciaio inossidabile, Bellhop è disponibile in due altezze diverse per il modello bollard e con un flussi ed emissione luminose diverse in modo da soddisfare qualsiasi esigenza di lluminazione esterna o prospettiva d'illuminazione necessaria.

Bellhop Pole
Versione su palo della collezione per esterni di Bellhop a luce diffusa.
Testa in alluminio montata su un palo estruso lungo 3 m o 4 m, disponibile per installazione su superficie rigida o a terra.

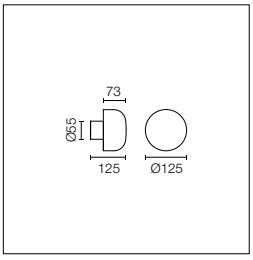
Bellhop Wall
Wall light version of the Bellhop Outdoor Collection for diffuse light, made of extruded and die-cast aluminium or stainless steel.

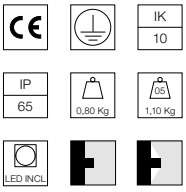
Bellhop Bollard
Bollard version of the Bellhop Outdoor Collection for diffuse light. Made of extruded and die-cast aluminium or stainless steel, Bellhop is available in two heights for the bollard model and with different lumens and luminaire outputs as to comply with any outdoor setting and lighting scenario need.

Bellhop Pole
Pole version of the Bellhop Outdoor Collection for diffuse light.
Aluminum head mounted on a 3m or 4m long extruded pole, available for installation on rigid surface or in ground.

Bellhop Wall







Alimentazione elettrica 100-240V integrata. Attacco a parete.
Ogni apparecchio d'illuminazione è dotato di 200 mm di cavo per connessione all'interno del corpo dell'apparecchio.
La connessione è consigliata con un sistema di giunzione IP68 H_20 Stop anti-condensa a 2 vie 4 poli, da ordinare separatamente.

2200K disponibile su richiesta.

100-240V power supply integrated. Direct wall installation.
Each luminaire is equipped with 200 mm lenght cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 H_2O Stop, to be ordered separately.

2200K available on request.

Power Led: 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

2700K

Non Dimmable
- F003C21A001
- F003C21A006
- F003C21A012
- F003C21A018
- F003C21A030
- F003C21A033
- F003C21A056

1-10V
- F003C21B001
- F003C21B006
- F003C21B012
- F003C21B018
- F003C21B030
- F003C21B033
- F003C21B056

Dali
- F003C21D001
- F003C21D006
- F003C21D012
- F003C21D018
- F003C21D030
- F003C21D033
- F003C21D056

3000K

Non Dimmable
- F003C31A001
- F003C31A006
- F003C31A012
- F003C31A018
- F003C31A030
- F003C31A033
- F003C31A056

1-10V
- F003C31B001
- F003C31B006
- F003C31B012
- F003C31B018
- F003C31B030
- F003C31B033
- F003C31B056

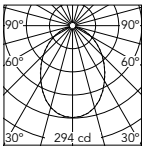
Dali
- F003C31D001
- F003C31D006
- F003C31D012
- F003C31D018
- F003C31D030
- F003C31D033
- F003C31D056

4000K

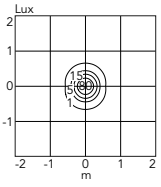
Non Dimmable
- F003C41A001
- F003C41A006
- F003C41A012
- F003C41A018
- F003C41A030
- F003C41A033
- F003C41A056

1-10V
- F003C41B001
- F003C41B006
- F003C41B012
- F003C41B018
- F003C41B030
- F003C41B033
- F003C41B056

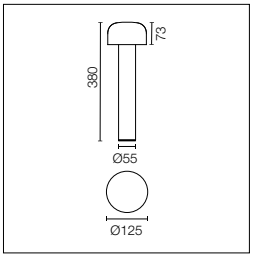
Dali
- F003C41D001
- F003C41D006
- F003C41D012
- F003C41D018
- F003C41D030
- F003C41D033
- F003C41D056



@4000K







IP 65 · IK 10 · 1,20 Kg · 05 2,20 Kg · LED INCL

Alimentazione elettrica 100-240V inclusa. Pronta per l'installazione su superficie solida.
Ogni apparecchio d'illuminazione è dotato di 200 mm di cavo per connessione all'interno del corpo dell'apparecchio.
La connessione è consigliata con un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli, da ordinare separatamente.

2200K disponibile su richiesta.

100-240V power supply included. Ready for installation on solid surface.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 H_2O Stop, to be ordered separately.

2200K available on request.

Power Led: 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

2700K

Non Dimmable

- ○ F003A21A001
- ● F003A21A006
- ● F003A21A012
- ● F003A21A018
- ● F003A21A030
- ● F003A21A033
- ◐ F003A21A056

1-10V

- ○ F003A21B001
- ● F003A21B006
- ● F003A21B012
- ● F003A21B018
- ● F003A21B030
- ● F003A21B033
- ◐ F003A21B056

Dali

- ○ F003A21D001
- ● F003A21D006
- ● F003A21D012
- ● F003A21D018
- ● F003A21D030
- ● F003A21D033
- ◐ F003A21D056

3000K

Non Dimmable

- ○ F003A31A001
- ● F003A31A006
- ● F003A31A012
- ● F003A31A018
- ● F003A31A030
- ● F003A31A033
- ◐ F003A31A056

1-10V

- ○ F003A31B001
- ● F003A31B006
- ● F003A31B012
- ● F003A31B018
- ● F003A31B030
- ● F003A31B033
- ◐ F003A31B056

Dali

- ○ F003A31D001
- ● F003A31D006
- ● F003A31D012
- ● F003A31D018
- ● F003A31D030
- ● F003A31D033
- ◐ F003A31D056

4000K

Non Dimmable

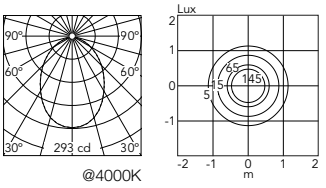
- ○ F003A41A001
- ● F003A41A006
- ● F003A41A012
- ● F003A41A018
- ● F003A41A030
- ● F003A41A033
- ◐ F003A41A056

1-10V

- ○ F003A41B001
- ● F003A41B006
- ● F003A41B012
- ● F003A41B018
- ● F003A41B030
- ● F003A41B033
- ◐ F003A41B056

Dali

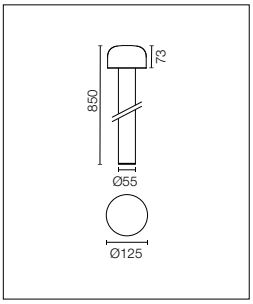
- ○ F003A41D001
- ● F003A41D006
- ● F003A41D012
- ● F003A41D018
- ● F003A41D030
- ● F003A41D033
- ◐ F003A41D056



@4000K

Bellhop Bollard 850





IK 10 | IP 65 | 1,80 Kg | 3,00 Kg | LED INCL

Alimentazione elettrica 100-240V inclusa. Pronta per l'installazione su superficie solida.
Ogni apparecchio d'illuminazione è dotato di 200 mm di cavo per connessione all'interno del corpo dell'apparecchio.
La connessione è consigliata con un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli, da ordinare separatamente.

2200K disponibile su richiesta.

100-240V power supply included. Ready for installation on solid surface.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 H_2O Stop, to be ordered separately.

2200K available on request.

Power Led: 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

2700K

Non Dimmable

- ○ F003B21A001
- ● F003B21A006
- ● F003B21A012
- ● F003B21A018
- ● F003B21A030
- ● F003B21A033
- ◐ F003B21A056

1-10V

- ○ F003B21B001
- ● F003B21B006
- ● F003B21B012
- ● F003B21B018
- ● F003B21B030
- ● F003B21B033
- ◐ F003B21B056

Dali

- ○ F003B21D001
- ● F003B21D006
- ● F003B21D012
- ● F003B21D018
- ● F003B21D030
- ● F003B21D033
- ◐ F003B21D056

3000K

Non Dimmable

- ○ F003B31A001
- ● F003B31A006
- ● F003B31A012
- ● F003B31A018
- ● F003B31A030
- ● F003B31A033
- ◐ F003B31A056

1-10V

- ○ F003B31B001
- ● F003B31B006
- ● F003B31B012
- ● F003B31B018
- ● F003B31B030
- ● F003B31B033
- ◐ F003B31B056

Dali

- ○ F003B31D001
- ● F003B31D006
- ● F003B31D012
- ● F003B31D018
- ● F003B31D030
- ● F003B31D033
- ◐ F003B31D056

4000K

Non Dimmable

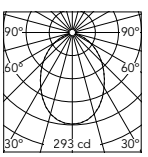
- ○ F003B41A001
- ● F003B41A006
- ● F003B41A012
- ● F003B41A018
- ● F003B41A030
- ● F003B41A033
- ◐ F003B41A056

1-10V

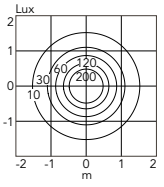
- ○ F003B41B001
- ● F003B41B006
- ● F003B41B012
- ● F003B41B018
- ● F003B41B030
- ● F003B41B033
- ◐ F003B41B056

Dali

- ○ F003B41D001
- ● F003B41D006
- ● F003B41D012
- ● F003B41D018
- ● F003B41D030
- ● F003B41D033
- ◐ F003B41D056



@4000K



Bellhop Bollard: Accessori / Accessories

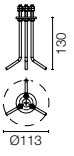
Piastra tirafondi.

Base plate with bolt.

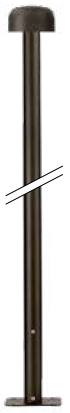
Bellhop Bollard Ø125

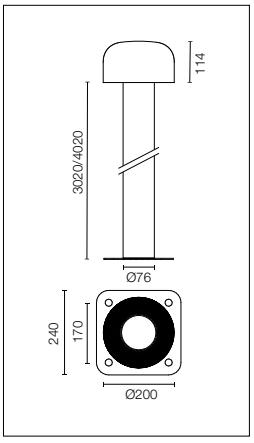
F003Z010000

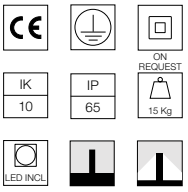




Bellhop Pole with base







Alimentazione elettrica 220/240 inclusa. Pronta per l'installazione su superficie solida.
Piastra base disponibile come accessorio.
Ogni apparecchio d'illuminazione è dotato di 200 mm di cavo per connessione all'interno del corpo dell'apparecchio.
La connessione è consigliata con un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli, da ordinare separatamente.
Versione dimmerabile e 110V disponibili su richiesta.

2200K disponibile su richiesta.

220-240V power supply included.
Ready for installation on solid surface.
Base plate available as accessory.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 H_2O Stop, to be ordered separately.
110V and dimmable versions available on request.

2200K available on request.

Power Led: 30W - 3090 lm ≠ FIXT 2490 lm - 2700K/CRI 80 - 220-240V / 30W - 3220 lm ≠ FIXT 2590 lm - 3000K/CRI 80 - 220-240V / 30W - 3430 lm ≠ FIXT 2760 lm - 4000K/CRI 80 - 220-240V

2700K

H 3020 mm
Non Dimmable
- F003H21A006
- F003H21A018
- F003H21A033

1-10V
- F003H21B006
- F003H21B018
- F003H21B033

Dali
- F003H21D006
- F003H21D018
- F003H21D033

3000K

H 3020 mm
Non Dimmable
- F003H31A006
- F003H31A018
- F003H31A033

1-10V
- F003H31B006
- F003H31B018
- F003H31B033

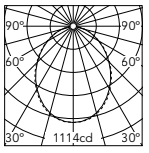
Dali
- F003H31D006
- F003H31D018
- F003H31D033

4000K

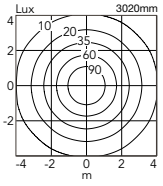
H 3020 mm
Non Dimmable
- F003H41A006
- F003H41A018
- F003H41A033

1-10V
- F003H41B006
- F003H41B018
- F003H41B033

Dali
- F003H41D006
- F003H41D018
- F003H41D033



@4000K



2700K

H 4020 mm
Non Dimmable
- F003L21A006
- F003L21A018
- F003L21A033

1-10V
- F003L21B006
- F003L21B018
- F003L21B033

Dali
- F003L21D006
- F003L21D018
- F003L21D033

3000K

H 4020 mm
Non Dimmable
- F003L31A006
- F003L31A018
- F003L31A033

1-10V
- F003L31B006
- F003L31B018
- F003L31B033

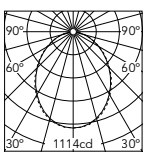
Dali
- F003L31D006
- F003L31D018
- F003L31D033

4000K

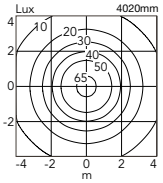
H 4020 mm
Non Dimmable
- F003L41A006
- F003L41A018
- F003L41A033

1-10V
- F003L41B006
- F003L41B018
- F003L41B033

Dali
- F003L41D006
- F003L41D018
- F003L41D033



@4000K



Bellhop Pole: Accessori / Accessories

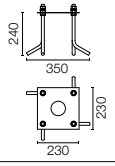
Piastra tirafondi per versione Bellhop palo con base.

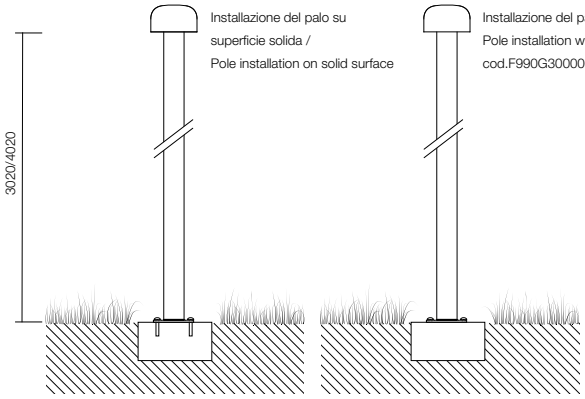
Base plate with bolt for Bellhop Pole with base version.

Bellhop Pole Ø200

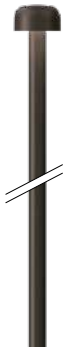
F990G300000

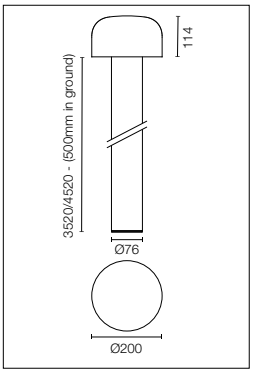


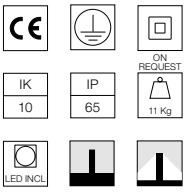




Bellhop Pole Inground







Alimentazione elettrica 220-240V inclusa.
Pronto per l'installazione a terra.
Ogni apparecchio d'illuminazione è dotato di 200 mm di cavo per connessione all'interno del corpo dell'apparecchio.
La connessione è consigliata con un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli, da ordinare separatamente.
Versione dimmerabile e 110V disponibili su richiesta.

2200K disponibile su richiesta.

220-240V power supply included.
Ready for inground installation.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 H_2O Stop, to be ordered separately.
110V and dimmable versions available on request.

2200K available on request.

Power Led: 30W - 3090 lm ≠ FIXT 2490 lm - 2700K/CRI 80 - 220-240V / 30W - 3220 lm ≠ FIXT 2590 lm - 3000K/CRI 80 - 220-240V / 30W - 3430 lm ≠ FIXT 2760 lm - 4000K/CRI 80 - 220-240V

2700K

H 3520 mm
Non Dimmable
- F003G21A006
- F003G21A018
- F003G21A033

1-10V
- F003G21B006
- F003G21B033
- F003G21B018

Dali
- F003G21D006
- F003G21D018
- F003G21D033

3000K

H 3520 mm
Non Dimmable
- F003G31A006
- F003G31A018
- F003G31A033

1-10V
- F003G31B006
- F003G31B018
- F003G31B033

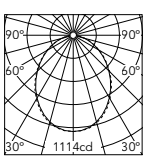
Dali
- F003G31D006
- F003G31D018
- F003G31D033

4000K

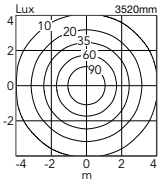
H 3520 mm
Non Dimmable
- F003G41A006
- F003G41A018
- F003G41A033

1-10V
- F003G41B006
- F003G41B018
- F003G41B033

Dali
- F003G41D006
- F003G41D018
- F003G41D033



@4000K



2700K

H 4520 mm
Non Dimmable
- F003K21A006
- F003K21A018
- F003K21A033

1-10V
- F003K21B006
- F003K21B018
- F003K21B033

Dali
- F003K21D006
- F003K21D018
- F003K21D033

3000K

H 4520 mm
Non Dimmable
- F003K31A006
- F003K31A018
- F003K31A033

1-10V
- F003K31B006
- F003K31B018
- F003K31B033

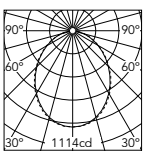
Dali
- F003K31D006
- F003K31D018
- F003K31D033

4000K

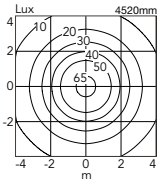
H 4520 mm
Non Dimmable
- F003K41A006
- F003K41A018
- F003K41A033

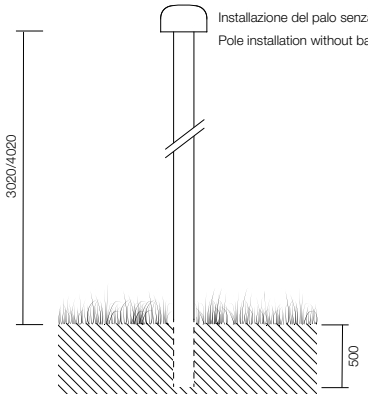
1-10V
- F003K41B006
- F003K41B018
- F003K41B033

Dali
- F003K41D006
- F003K41D018
- F003K41D033



@4000K





Installazione del palo senza base a terra /
Pole installation without base inground

Bellhop Pole: Accessori / Accessories

Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).

2 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).

Bellhop Wall / Bollard / Pole

F990C00A000





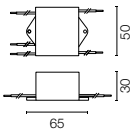
Dispositivo di protezione per il sovraccarico. 240 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.

Bellhop Wall / Bollard / Pole

F990E00A000

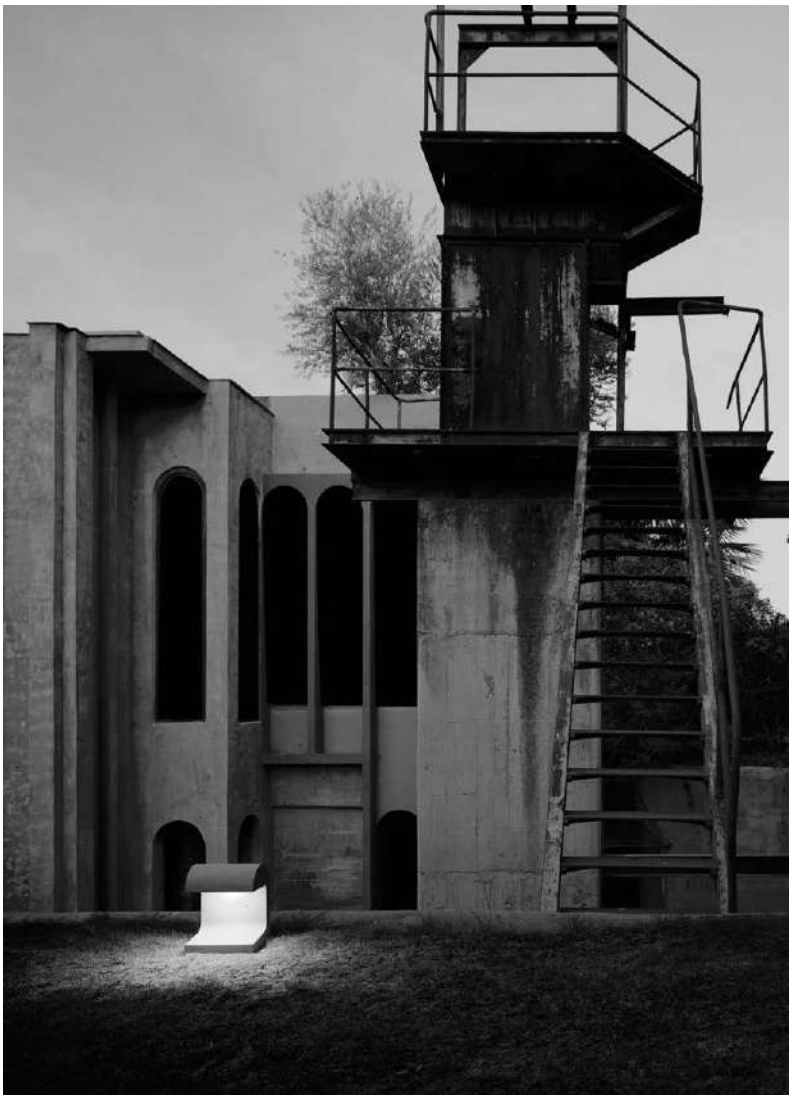




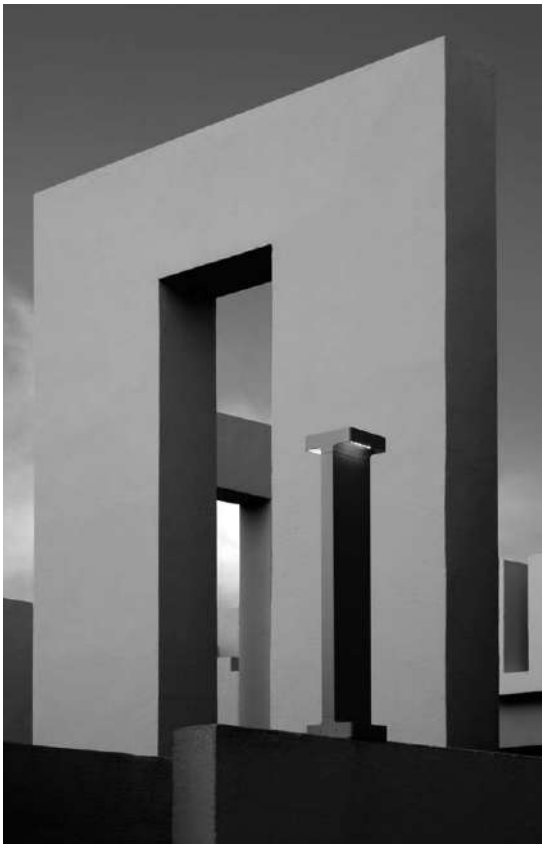
Casting

Designed by Vincent Van Duysen





Casting Concrete

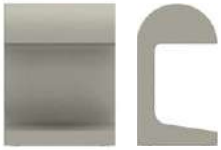


Casting T



Famiglia / Family

Casting Concrete



Power Led
9W
427 lm - 2700K/CRI 80
513 lm - 3000K/CRI 80
526 lm - 4000K/CRI 80

Casting C



W: **100**
H: 200 / **500** / 700 mm

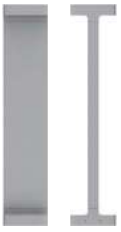
Power Led
7W
272 lm - 2700K/CRI 80
295 lm - 3000K/CRI 80
317 lm - 4000K/CRI 80
2200K available on request.



W: **150**
H: 250 / **500** / 850 mm

Power Led
12W
565 lm - 2700K/CRI 80
813 lm - 3000K/CRI 80
660 lm - 4000K/CRI 80
2200K available on request.

Casting T



W: **100**
H: 200 / **500** / 700 mm

Power Led
12W
2x272 lm - 2700K/CRI 80
2x295 lm - 3000K/CRI 80
2x317 lm - 4000K/CRI 80
2200K available on request.



W: **150**
H: 250 / **500** / 850 mm

Power Led
21W
2x565 lm - 2700K/CRI 80
2x813 lm - 3000K/CRI 80
2x660 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

Casting Concrete



89 Concrete

Casting C / T

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Descrizione / Description

Collezione di paletti luminosi per esterno, con fonte di luce a LED.

Casting Concrete
Il corpo della versione Concrete è realizzato in stampo, con getto di calcestruzzo composta da cemento, aggreganti inerti fini e fibre di rinforzo. Ogni manufatto è realizzato individualmente con processo artigianale: minime differenze estetiche e di colore tra un apparecchio e l'altro sono il segno dell'unicità di ciascuna lampada. Ogni apparecchio monta un diffusore in policarbonato satinato incollato al dissipatore del prodotto per garantire la tenuta all'acqua (stabilizzato ai raggi UV per minimizzarne l'ingiallimento).
L'apparecchio è fornito con uno spezzone di cavo uscente in neoprene, con un kit di connessione elettrica per cavo multipolare singolo, e con tasselli per installazione su superfici piene e solide.
La piastra di fissaggio per installazione su calcestruzzo, pavimentazione da gettare, o su plinto è disponibile come accessorio.

Casting C/T
Il corpo delle versioni C e T è realizzato in alluminio estruso, base e diffusore in alluminio pressofuso EN AB-47100 a basso contenuto di rame.
Rivestimento ad alta resistenza: dopo un trattamento di sabbiatura di tutti i componenti per rendere la superficie porosa e garantire una maggiore adesione della vernice, è applicato il rivestimento esterno con un doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici. Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata, e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione. Diffusore in vetro incollato al dissipatore del prodotto per garantire la tenuta all'acqua, e microtesturizzato per garantire una distribuzione omogenea e uniforme della luce.
L'apparecchio è fornito con uno spezzone di cavo uscente in neoprene.

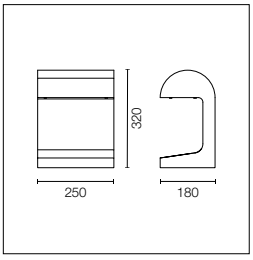
Collection of outdoor bollard lights with LED light source.

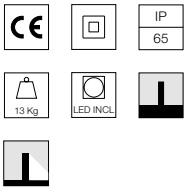
Casting Concrete
The body of the Round version is made from a mould, with poured concrete consisting of cement, fine inert materials for aggregating purposes, and reinforcing fibers. Each article is manufactured individually with a handcrafted process: minor aesthetic and color differences between one luminaire and another are the sign of the uniqueness of each lamp. Each luminaire has a frosted polycarbonate diffuser glued to the heat sink of the product to ensure a watertight seal (UV stabilized to minimise yellowing).
The luminaire is provided with a segment of outgoing cable in neoprene, with a kit of electrical connection for single multicore cable, and with dowels for installation on full and solid surfaces.
The fixing plate for installation on cement paving, poured concrete, or on plinth is available as an accessory.

Casting C/T
The body of the versions C and T is made of extruded aluminum, base and diffuser in die-cast aluminum EN AB-47100 with a low copper content.
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents. The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation. A glass diffuser is glued to the heat sink of the product to ensure a watertight seal, micro-texturized to ensure homogeneous and uniform distribution of the light.
The luminaire is provided with a segment of outgoing cable in neoprene.

Casting Concrete







Alimentazione elettrica 220/240V integrata.

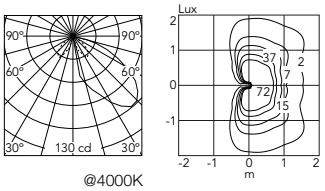
220/240V power supply integrated.

Power Led: 9W - 650 lm ≠ FIXT 427 lm - 2700K/CRI 80 - 220-240V / 9W - 780 lm ≠ FIXT 513 lm - 3000K/CRI 80 - 220-240V / 9W - 800 lm ≠ FIXT 526 lm - 4000K/CRI 80 - 220-240V

2700K
- F1330089.A

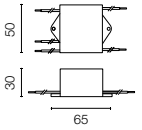
3000K
- F1331089.A

4000K
- F1332089.A



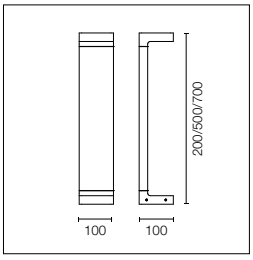
@4000K

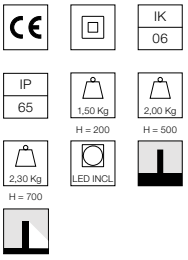
Casting Concrete: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	F1209000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	 

Casting C 100







Alimentazione elettrica 110/240V integrata.

2200K disponibile su richiesta.

110/240V power supply integrated.

2200K available on request.

Power Led: 7W - 540 lm ≠ FIXT 272 lm - 2700K/CRI 80 - 110-240V / 7W - 585 lm ≠ FIXT 295 lm - 3000K/CRI 80 - 110-240V / 7W - 630 lm ≠ FIXT 317 lm - 4000K/CRI 80 - 110-240V

2700K

H 200 mm
- ○ F1210001
- ● F1210006
- ● F1210012
- ● F1210018
- ● F1210030
- ● F1210033

H 500 mm
- ○ F1213001
- ● F1213006
- ● F1213012
- ● F1213018
- ● F1213030
- ● F1213033

H 700 mm
- ○ F1216001
- ● F1216006
- ● F1216012
- ● F1216018
- ● F1216030
- ● F1216033

3000K

H 200 mm
- ○ F1211001
- ● F1211006
- ● F1211012
- ● F1211018
- ● F1211030
- ● F1211033

H 500 mm
- ○ F1214001
- ● F1214006
- ● F1214012
- ● F1214018
- ● F1214030
- ● F1214033

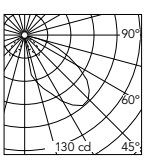
H 700 mm
- ○ F1217001
- ● F1217006
- ● F1217012
- ● F1217018
- ● F1217030
- ● F1217033

4000K

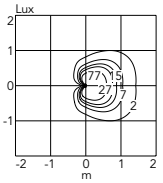
H 200 mm
- ○ F1212001
- ● F1212006
- ● F1212012
- ● F1212018
- ● F1212030
- ● F1212033

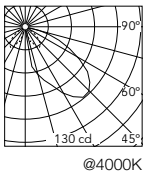
H 500 mm
- ○ F1215001
- ● F1215006
- ● F1215012
- ● F1215018
- ● F1215030
- ● F1215033

H 700 mm
- ○ F1218001
- ● F1218006
- ● F1218012
- ● F1218018
- ● F1218030
- ● F1218033

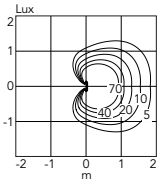


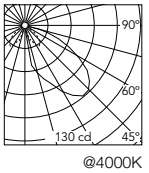
@4000K



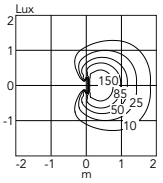


@4000K



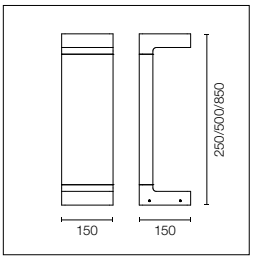


@4000K



Casting C 150





IP 65 · IK 06 · 3,30 Kg H = 250 · 4,20 Kg H = 500 · 5,40 Kg H = 850 · LED INCL

Alimentazione elettrica 110/240V integrata.

2200K disponibile su richiesta.

110/240V power supply integrated.

2200K available on request.

Power Led: 12W - 1080 lm ≠ FIXT 565 lm - 2700K/CRI 80 - 110-240V / 12W - 1170 lm ≠ FIXT 613 lm - 3000K/CRI 80 - 110-240V / 12W - 1260 lm ≠ FIXT 660 lm - 4000K/CRI 80 - 110-240V

2700K

H 250 mm - Non Dimmable

- F1230001
- F1230006
- F1230012
- F1230018
- F1230030
- F1230033

1-10V

- F1230001-310
- F1230006-310
- F1230012-310
- F1230018-310
- F1230030-310
- F1230033-310

Dali

- F1230001-300
- F1230006-300
- F1230012-300
- F1230018-300
- F1230030-300
- F1230033-300

3000K

H 250 mm - Non Dimmable

- F1231001
- F1231006
- F1231012
- F1231018
- F1231030
- F1231033

1-10V

- F1231001-310
- F1231006-310
- F1231012-310
- F1231018-310
- F1231030-310
- F1231033-310

Dali

- F1231001-300
- F1231006-300
- F1231012-300
- F1231018-300
- F1231030-300
- F1231033-300

4000K

H 250 mm - Non Dimmable

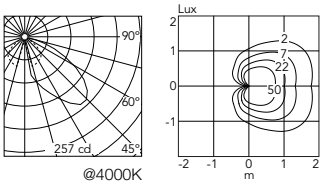
- F1232001
- F1232006
- F1232012
- F1232018
- F1232030
- F1232033

1-10V

- F1232001-310
- F1232006-310
- F1232012-310
- F1232018-310
- F1232030-310
- F1232033-310

Dali

- F1232001-300
- F1232006-300
- F1232012-300
- F1232018-300
- F1232030-300
- F1232033-300



2700K

H 500 mm - Non Dimmable

- F1233001
- F1233006
- F1233012
- F1233018
- F1233030
- F1233033

1-10V

- F1233001-310
- F1233006-310
- F1233012-310
- F1233018-310
- F1233030-310
- F1233033-310

Dali

- F1233001-300
- F1233006-300
- F1233012-300
- F1233018-300
- F1233030-300
- F1233033-300

3000K

H 500 mm - Non Dimmable

- F1234001
- F1234006
- F1234012
- F1234018
- F1234030
- F1234033

1-10V

- F1234001-310
- F1234006-310
- F1234012-310
- F1234018-310
- F1234030-310
- F1234033-310

Dali

- F1234001-300
- F1234006-300
- F1234012-300
- F1234018-300
- F1234030-300
- F1234033-300

4000K

H 500 mm - Non Dimmable

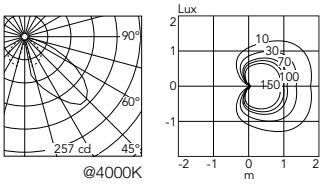
- F1235001
- F1235006
- F1235012
- F1235018
- F1235030
- F1235033

1-10V

- F1235001-310
- F1235006-310
- F1235012-310
- F1235018-310
- F1235030-310
- F1235033-310

Dali

- F1235001-300
- F1235006-300
- F1235012-300
- F1235018-300
- F1235030-300
- F1235033-300



2700K

H 850 mm - Non Dimmable

- F1236001
- F1236006
- F1236012
- F1236018
- F1236030
- F1236033

1-10V

- F1236001-310
- F1236006-310
- F1236012-310
- F1236018-310
- F1236030-310
- F1236033-310

Dali

- F1236001-300
- F1236006-300
- F1236012-300
- F1236018-300
- F1236030-300
- F1236033-300

3000K

H 850 mm - Non Dimmable

- F1237001
- F1237006
- F1237012
- F1237018
- F1237030
- F1237033

1-10V

- F1237001-310
- F1237006-310
- F1237012-310
- F1237018-310
- F1237030-310
- F1237033-310

Dali

- F1237001-300
- F1237006-300
- F1237012-300
- F1237018-300
- F1237030-300
- F1237033-300

4000K

H 850 mm - Non Dimmable

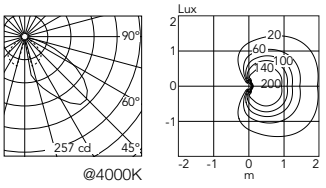
- F1238001
- F1238006
- F1238012
- F1238018
- F1238030
- F1238033

1-10V

- F1238001-310
- F1238006-310
- F1238012-310
- F1238018-310
- F1238030-310
- F1238033-310

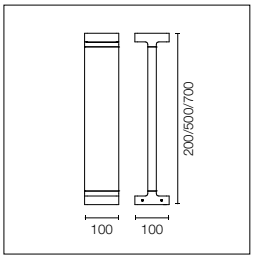
Dali

- F1238001-300
- F1238006-300
- F1238012-300
- F1238018-300
- F1238030-300
- F1238033-300



Casting T 100





IP 65 · IK 06 · 1,50 Kg H = 200 · 2,00 Kg H = 500 · 2,30 Kg H = 700 · LED INCL

Alimentazione elettrica 110/240V integrata.

2200K disponibile su richiesta.

110/240V power supply integrated.

2200K available on request.

Power Led: 12W - 2x540 lm ≠ FIXT 2x272 lm - 2700K/CRI 80 - 110-240V / 12W - 2x585 lm ≠ FIXT 2x295 lm - 3000K/CRI 80 - 110-240V / 12W - 2x630 lm ≠ FIXT 2x317 lm - 4000K/CRI 80 - 110-240V

2700K

H 200 mm
- F1250001
- F1250006
- F1250012
- F1250018
- F1250030
- F1250033

H 500 mm
- F1253001
- F1253006
- F1253012
- F1253018
- F1253030
- F1253033

H 700 mm
- F1256001
- F1256006
- F1256012
- F1256018
- F1256030
- F1256033

3000K

H 200 mm
- F1251001
- F1251006
- F1251012
- F1251018
- F1251030
- F1251033

H 500 mm
- F1254001
- F1254006
- F1254012
- F1254018
- F1254030
- F1254033

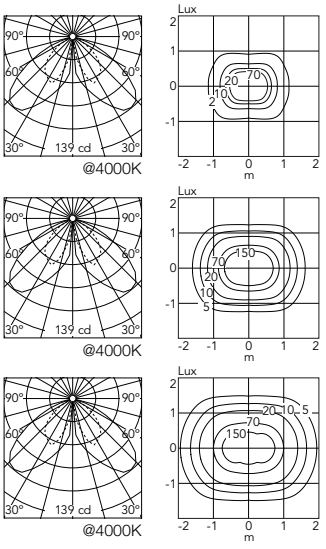
H 700 mm
- F1257001
- F1257006
- F1257012
- F1257018
- F1257030
- F1257033

4000K

H 200 mm
- F1252001
- F1252006
- F1252012
- F1252018
- F1252030
- F1252033

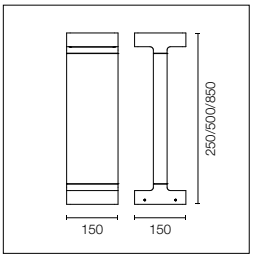
H 500 mm
- F1255001
- F1255006
- F1255012
- F1255018
- F1255030
- F1255033

H 700 mm
- F1258001
- F1258006
- F1258012
- F1258018
- F1258030
- F1258033



Casting T 150





IP 65 · IK 06 · 3,50 Kg H = 250 · 4,50 Kg H = 500 · 5,60 Kg H = 850 · LED INCL

Alimentazione elettrica 220/240V integrata. Versione 110V a richiesta.

2200K disponibile su richiesta.

220/240V power supply integrated. Version 110V upon request.

2200K available on request.

Power Led: 21W - 2x1080 lm ≠ FIXT 2x565 lm - 2700K/CRI 80 - 220-240V / 21W - 2x1170 lm ≠ FIXT 2x613 lm - 3000K/CRI 80 - 220-240V / 21W - 2x1260 lm ≠ FIXT 2x660 lm - 4000K/CRI 80 - 220-240V

2700K

H 250 mm - Non Dimmable

- F1270001
- F1270006
- F1270012
- F1270018
- F1270030
- F1270033

1-10V

- F1270001-310
- F1270006-310
- F1270012-310
- F1270018-310
- F1270030-310
- F1270033-310

Dali

- F1270001-300
- F1270006-300
- F1270012-300
- F1270018-300
- F1270030-300
- F1270033-300

3000K

H 250 mm - Non Dimmable

- F1271001
- F1271006
- F1271012
- F1271018
- F1271030
- F1271033

1-10V

- F1271001-310
- F1271006-310
- F1271012-310
- F1271018-310
- F1271030-310
- F1271033-310

Dali

- F1271001-300
- F1271006-300
- F1271012-300
- F1271018-300
- F1271030-300
- F1271033-300

4000K

H 250 mm - Non Dimmable

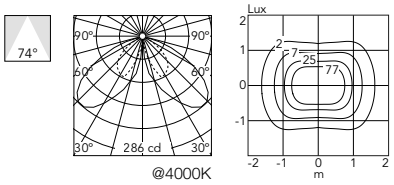
- F1272001
- F1272006
- F1272012
- F1272018
- F1272030
- F1272033

1-10V

- F1272001-310
- F1272006-310
- F1272012-310
- F1272018-310
- F1272030-310
- F1272033-310

Dali

- F1272001-300
- F1272006-300
- F1272012-300
- F1272018-300
- F1272030-300
- F1272033-300



2700K

H 500 mm - Non Dimmable

- F1273001
- F1273006
- F1273012
- F1273018
- F1273030
- F1273033

1-10V

- F1273001-310
- F1273006-310
- F1273012-310
- F1273018-310
- F1273030-310
- F1273033-310

Dali

- F1273001-300
- F1273006-300
- F1273012-300
- F1273018-300
- F1273030-300
- F1273033-300

3000K

H 500 mm - Non Dimmable

- F1274001
- F1274006
- F1274012
- F1274018
- F1274030
- F1274033

1-10V

- F1274001-310
- F1274006-310
- F1274012-310
- F1274018-310
- F1274030-310
- F1274033-310

Dali

- F1274001-300
- F1274006-300
- F1274012-300
- F1274018-300
- F1274030-300
- F1274033-300

4000K

H 500 mm - Non Dimmable

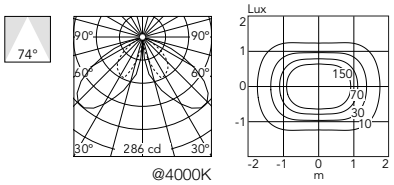
- F1275001
- F1275006
- F1275012
- F1275018
- F1275030
- F1275033

1-10V

- F1275001-310
- F1275006-310
- F1275012-310
- F1275018-310
- F1275030-310
- F1275033-310

Dali

- F1275001-300
- F1275006-300
- F1275012-300
- F1275018-300
- F1275030-300
- F1275033-300



2700K

H 850 mm - Non Dimmable

- F1276001
- F1276006
- F1276012
- F1276018
- F1276030
- F1276033

1-10V

- F1276001-310
- F1276006-310
- F1276012-310
- F1276018-310
- F1276030-310
- F1276033-310

Dali

- F1276001-300
- F1276006-300
- F1276012-300
- F1276018-300
- F1276030-300
- F1276033-300

3000K

H 850 mm - Non Dimmable

- F1277001
- F1277006
- F1277012
- F1277018
- F1277030
- F1277033

1-10V

- F1277001-310
- F1277006-310
- F1277012-310
- F1277018-310
- F1277030-310
- F1277033-310

Dali

- F1277001-300
- F1277006-300
- F1277012-300
- F1277018-300
- F1277030-300
- F1277033-300

4000K

H 850 mm - Non Dimmable

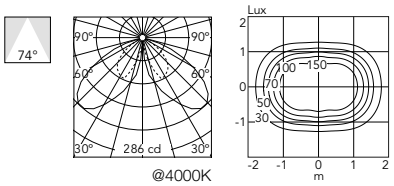
- F1278001
- F1278006
- F1278012
- F1278018
- F1278030
- F1278033

1-10V

- F1278001-310
- F1278006-310
- F1278012-310
- F1278018-310
- F1278030-310
- F1278033-310

Dali

- F1278001-300
- F1278006-300
- F1278012-300
- F1278018-300
- F1278030-300
- F1278033-300



Casting C/T: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	Casting 100 F1208000 Casting 150 F1207000	
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000	
Dispositivo di protezione per il sovraccarico. 240 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	

Walkstick / Wallstick

Designed by Antonio Citterio





Walkstick 2 Double



Walkstick Pipe

Famiglia / Family

Wallstick



Power Led
2,5W
185 lm - 2700K/CRI 80
199 lm - 3000K/CRI 80
212 lm - 4000K/CRI 80
2200K available on request.

Walkstick Pipe



Power Led
7W
483 lm - 2700K/CRI 80
496 lm - 3000K/CRI 80
529 lm - 4000K/CRI 80
2200K available on request.

Walkstick



Power Led
6W
333 lm - 2700K/CRI 80
358 lm - 3000K/CRI 80
382 lm - 4000K/CRI 80
2200K available on request.

Walkstick Double



Power Led
8,5W
333+185 lm - 2700K/CRI 80
358+199 lm - 3000K/CRI 80
382+212 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Walkstick Pipe
Collezione di paletti per esterno con sorgente luminosa a LED e testa tubolare orientabile 350° sull'asse verticale e 350° sull'asse orizzontale. Disponibili in due differenti altezze.
Lo stelo e la testa sono realizzati in alluminio estruso, la base in alluminio pressofuso a basso contenuto di rame.
Disponibile in differenti finiture con un rivestimento a doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici corrosivi. Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Le viterie di fissaggio sono in acciaio inox AISI 316L.
Diffusore in vetro acidato per garantire una diffusione uniforme della luce a terra.
L'apparecchio è fornito con uno spezzone di cavo uscente in neoprene.
Può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato cassaforma per rendere la base del prodotto totalmente solidale con la pavimentazione.

Walkstick
Collezione di paletti per esterno con sorgente luminosa a LED e testa svasata orientabile 350° sull'asse verticale. Disponibili in due differenti altezze combinate alla versione con una luce o due luci.
Lo stelo è realizzato in alluminio estruso, la base e la testa in alluminio pressofuso EN AB-47100 a basso contenuto di rame.
Disponibile in differenti finiture con un rivestimento a doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici corrosivi. Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Le viterie di fissaggio sono in acciaio inox AISI 316L.
Diffusore in vetro microtexturizzato per garantire una distribuzione omogea della luce a terra.
Può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato cassaforma per rendere la base del prodotto totalmente solidale con la pavimentazione.

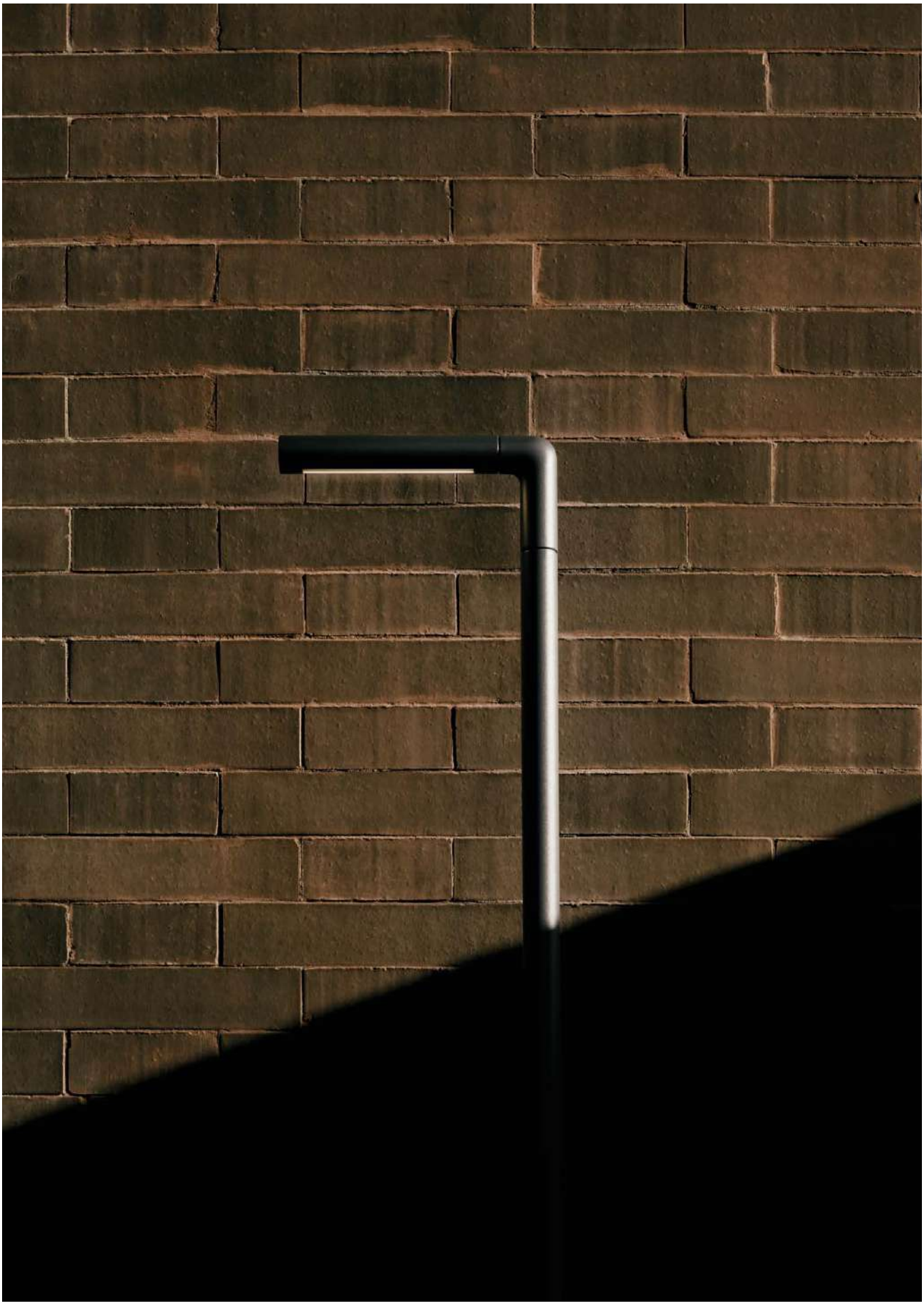
Wallstick
Apparecchio segnapasso a parete per esterno con sorgente luminosa a LED e testa svasata orientabile 350° sull'asse verticale. Il corpo apparecchio è realizzato in alluminio pressofuso a basso contenuto di rame.
Disponibile in differenti finiture con un rivestimento a doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici corrosivi. Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Le viterie di fissaggio sono in acciaio inox AISI 316L.
Diffusore in vetro microtexturizzato per garantire una distribuzione omogea della luce a terra.
L'apparecchio è fornito con due cavi di alimentazione uscenti L 200mm e con un kit per la connessione a tenuta IP.
L'alimentatore elettrico a 24V può essere installato in remoto.
Per una installazione più agevole è disponibile la cassaforma opzionale (scatola di derivazione 3 moduli modello 503)

Description

Walkstick Pipe
Collection of outdoor poles with LED light source and tubular head that can be adjusted 350° on the vertical and horizontal axes. Available in two different heights.
The stem and head are made of extruded aluminium; the base is made of die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser made of acid-etched glass to guarantee a uniform wash of light on the ground.
The unit is supplied with a length of neoprene cable.
The unit may be easily installed on any flooring on the ground with anchors, or with the dedicated installation box to completely integrate the base of the product with the pavement.

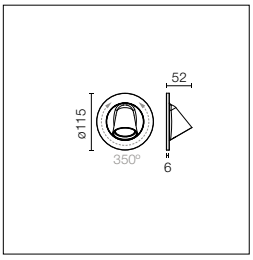
Walkstick
Collection of outdoor poles with LED light source and tubular head that can be adjusted vertically 350°. Available in two different heights combined with the one- or two-light version.
The stem is made of extruded aluminium; the base and head are made of EN AB-47100 die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser in micro-textured glass to guarantee uniform light distribution on the ground.
The unit may be easily installed on any flooring on the ground with anchors, or with the dedicated installation box to completely integrate the base of the product with the pavement.

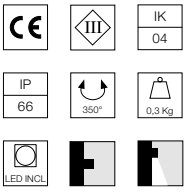
Wallstick
Wall-mounted outdoor footpath lights with LED light source and flared head that can be adjusted vertically 350°. The body is made of die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser in micro-textured glass to guarantee uniform light distribution on the ground.
The light comes with two 2-m power cables and with a kit for IP-rated connection.
The 24V electrical power supply can be installed remotely. For easier installation, an optional box (sold separately) is available (3-module junction box, model 503).



Wallstick







Sorgente luminosa a LED inclusa. Testa orientabile 350° sull'asse verticale. Alimentazione elettrica remota a 24V da ordinare separatamente.Apparecchio fornito con due cavi di alimentazione uscenti L 200mm e con un kit per la connessione a tenuta IP. L'alimentatore può essere installato remoto (cassaforma non necessaria) o alloggiato posteriormente all'apparecchio mediante apposita cassaforma opzionale.

2200K disponibile su richiesta.

LED light source included. Head adjustable 350° on the vertical axis. Remote 24V electrical power unit sold separately. Unit comes with two 200-mm-long outgoing power cables and a kit for IP-rated connection. The power supply may be installed remotely (installation box not necessary) or housed behind the unit with the optional installation box.

2200K available on request.

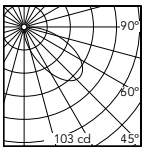
Power Led: 2,5W - 264 lm ≠ FIXT 185 lm - 2700K/CRI 80 - 24V / 2,5W - 283 lm ≠ FIXT 199 lm - 3000K/CRI 80 - 24V / 2,5W - 303 lm ≠ FIXT 212 lm - 4000K/CRI 80 - 24V

2700K
PWM Dimmable
- ○ F010A20H001
- ● F010A20H006
- ● F010A20H012
- ● F010A20H018
- ● F010A20H030
- ● F010A20H033

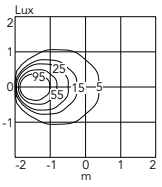
3000K
PWM Dimmable
- ○ F010A30H001
- ● F010A30H006
- ● F010A30H012
- ● F010A30H018
- ● F010A30H030
- ● F010A30H033

4000K
PWM Dimmable
- ○ F010A40H001
- ● F010A40H006
- ● F010A40H012
- ● F010A40H018
- ● F010A40H030
- ● F010A40H033





@3000K



* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

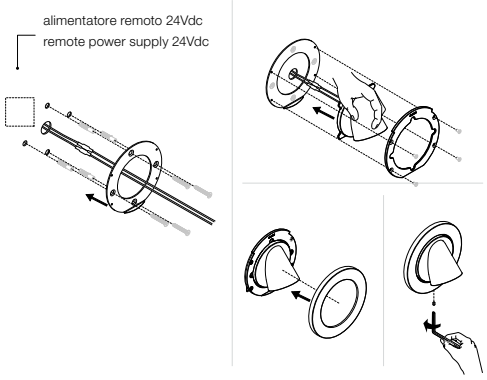
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Non Dimmable		Dimmable	
Acc. RF25754	1	Acc. F990B02A000	7
Acc. RF25748	1	Acc. F990B03A000	7
Acc. RF25747	2	Acc. F990B16A000	7
Acc. RF25757	2	Acc. F990B04A000	13
Acc. F990B23AZ00	7	Acc. F990B05A000	13
Acc. F990B28A000	9	Acc. F990B17A000	13
Acc. F990B27A000	13		

Fissaggio a Parete / Installation on Wall

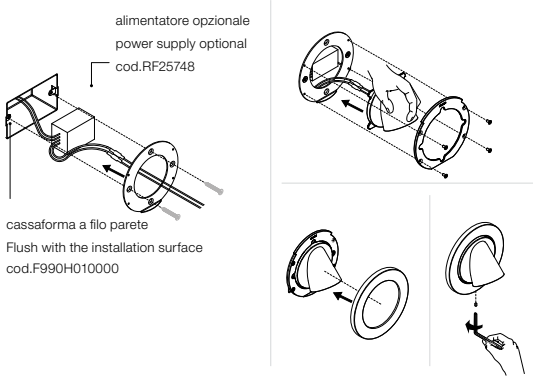
Option 1

Senza cassaforma / Without recessed box installation.



Option 2

Con cassaforma / Recessed box installation.



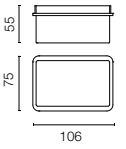
Wallstick: Accessori / Accessories

Scatola di derivazione da incasso 3 moduli (modello 503) 106x75mm H 55mm.

Recessed 3-module junction box (model 503) 106 mm x 75 mm H 55 mm.

F990H010000





Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo).

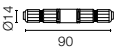
Non può essere alloggiato nella scatola per incasso.

2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).

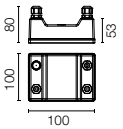
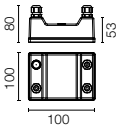
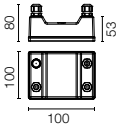
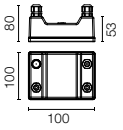
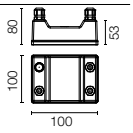
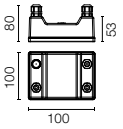
It can't be placed in the recessed box for installation.

F990C050000

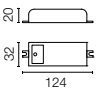
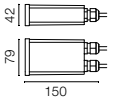
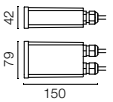
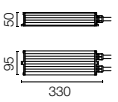
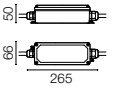




Wallstick: Power Supply Dimmable

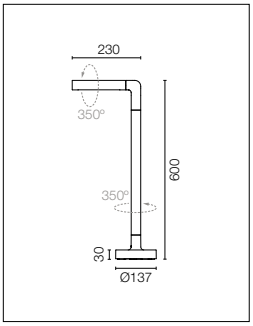
Alimentatore 24V PWM con interfaccia di controllo 1-10V IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B02A000 70W *F990B04A000		
Alimentatore 24V PWM con interfaccia di controllo 1-10V IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B03A000 70W *F990B05A000		
Alimentatore 24V PWM con interfaccia di controllo PUSH IP67 Classe II. Vin 120-270 Vac.	Power supply 24V PWM with PUSH control interface IP67 Class II. Vin 120-270 Vac.	35W *F990B16A000 70W *F990B17A000		
Interfaccia di controllo 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B00A000		
Interfaccia di controllo 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B01A000		
Interfaccia di controllo 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Fonte di alimentazione non inclusa).	Control interface 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Power supply not included).	F990B18A000		

Wallstick: Power Supply Non Dimmable

Alimentatore 24V 8W / 110-240V IP20 Classe II selv.	Power supply 24V 8W / 110-240V IP20 Class II selv.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	*F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Walkstick Pipe 1





IK 08 · IP 65 · 350° · 350° · 1,05 Kg · LED INCL

Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

2200K disponibile su richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H_2O Stop.
Version 110V upon request.

2200K available on request.

Power Led: 7W - 622 lm ≠ FIXT 483 lm - 2700K/CRI 80 - 220-240V / 7W - 648 lm ≠ FIXT 496 lm - 3000K/CRI 80 - 220-240V / 7W - 693 lm ≠ FIXT 529 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- F010H21A001
- F010H21A006
- F010H21A012
- F010H21A018
- F010H21A030
- F010H21A033

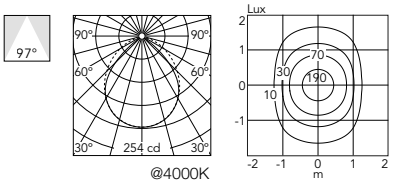
1-10V
- F010H21B001
- F010H21B006
- F010H21B012
- F010H21B018
- F010H21B030
- F010H21B033

3000K
Non Dimmable
- F010H31A001
- F010H31A006
- F010H31A012
- F010H31A018
- F010H31A030
- F010H31A033

1-10V
- F010H31B001
- F010H31B006
- F010H31B012
- F010H31B018
- F010H31B030
- F010H31B033

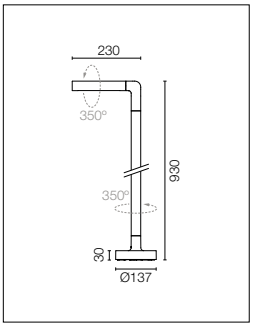
4000K
Non Dimmable
- F010H41A001
- F010H41A006
- F010H41A012
- F010H41A018
- F010H41A030
- F010H41A033

1-10V
- F010H41B001
- F010H41B006
- F010H41B012
- F010H41B018
- F010H41B030
- F010H41B033



Walkstick Pipe 2





IK 08 · IP 65 · 350° · 350° · 1,70 Kg · LED INCL

Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

2200K disponibile su richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H_2O Stop.
Version 110V upon request.

2200K available on request.

Power Led: 7W - 622 lm ≠ FIXT 483 lm - 2700K/CRI 80 - 220-240V / 7W - 648 lm ≠ FIXT 496 lm - 3000K/CRI 80 - 220-240V / 7W - 693 lm ≠ FIXT 529 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- F010J21A001
- F010J21A006
- F010J21A012
- F010J21A018
- F010J21A030
- F010J21A033

1-10V
- F010J21B001
- F010J21B006
- F010J21B012
- F010J21B018
- F010J21B030
- F010J21B033

Dali
- F010J21D001
- F010J21D006
- F010J21D012
- F010J21D018
- F010J21D030
- F010J21D033

3000K
Non Dimmable
- F010J31A001
- F010J31A006
- F010J31A012
- F010J31A018
- F010J31A030
- F010J31A033

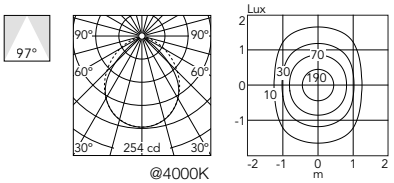
1-10V
- F010J31B001
- F010J31B006
- F010J31B012
- F010J31B018
- F010J31B030
- F010J31B033

Dali
- F010J31D001
- F010J31D006
- F010J31D012
- F010J31D018
- F010J31D030
- F010J31D033

4000K
Non Dimmable
- F010J41A001
- F010J41A006
- F010J41A012
- F010J41A018
- F010J41A030
- F010J41A033

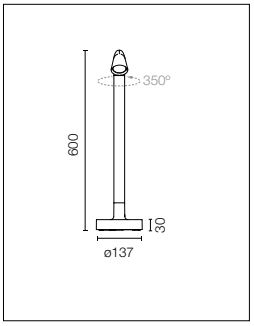
1-10V
- F010J41B001
- F010J41B006
- F010J41B012
- F010J41B018
- F010J41B030
- F010J41B033

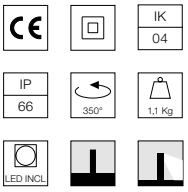
Dali
- F010J41D001
- F010J41D006
- F010J41D012
- F010J41D018
- F010J41D030
- F010J41D033



Walkstick 1







Sorgente luminosa a LED inclusa. Testa orientabile 350° sull'asse verticale e 350° sull'asse orizzontale. Alimentazione elettrica 220-240V ON/OFF integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. Cassaforma per l'installazione a terra opzionale da ordinare separatamente.
Versione 110V a richiesta

2200K disponibile su richiesta.

LED light source included. Head adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. Box for ground installation sold separately. 110V version by request.

2200K available on request.

Power Led: 6W - 502 lm ≠ FIXT 333 lm - 2700K/CRI 80 - 220-240V / 6W - 539 lm ≠ FIXT 358 lm - 3000K/CRI 80 - 220-240V / 6W - 577 lm ≠ FIXT 382 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F010B21A001
- ● F010B21A006
- ● F010B21A012
- ● F010B21A018
- ● F010B21A030
- ● F010B21A033

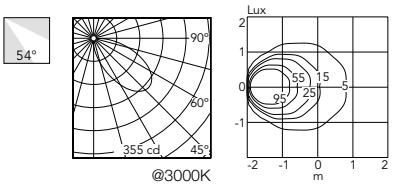
1-10V
- ○ F010B21B001
- ● F010B21B006
- ● F010B21B012
- ● F010B21B018
- ● F010B21B030
- ● F010B21B033

3000K
Non Dimmable
- ○ F010B31A001
- ● F010B31A006
- ● F010B31A012
- ● F010B31A018
- ● F010B31A030
- ● F010B31A033

1-10V
- ○ F010B31B001
- ● F010B31B006
- ● F010B31B012
- ● F010B31B018
- ● F010B31B030
- ● F010B31B033

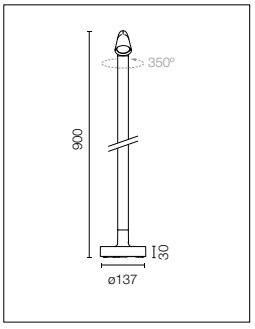
4000K
Non Dimmable
- ○ F010B41A001
- ● F010B41A006
- ● F010B41A012
- ● F010B41A018
- ● F010B41A030
- ● F010B41A033

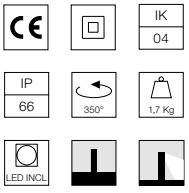
1-10V
- ○ F010B41B001
- ● F010B41B006
- ● F010B41B012
- ● F010B41B018
- ● F010B41B030
- ● F010B41B033



Walkstick 2







Sorgente luminosa a LED inclusa. Testa orientabile 350° sull'asse verticale e 350° sull'asse orizzontale. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. Cassaforma per l'installazione a terra opzionale da ordinare separatamente.
Versione 110V a richiesta.

2200K disponibile su richiesta.

LED light source included. Head adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. Box for ground installation sold separately. 110V version by request.

2200K available on request.

Power Led: 6W - 502 lm ≠ FIXT 333 lm - 2700K/CRI 80 - 220-240V / 6W - 539 lm ≠ FIXT 358 lm - 3000K/CRI 80 - 220-240V / 6W - 577 lm ≠ FIXT 382 lm - 4000K/CRI 80 - 220-240V

2700K
Non Dimmable
- ○ F010B22A001
- ● F010B22A006
- ● F010B22A012
- ● F010B22A018
- ● F010B22A030
- ● F010B22A033

1-10V
- ○ F010B22B001
- ● F010B22B006
- ● F010B22B012
- ● F010B22B018
- ● F010B22B030
- ● F010B22B033

Dali
- ○ F010B22D001
- ● F010B22D006
- ● F010B22D012
- ● F010B22D018
- ● F010B22D030
- ● F010B22D033

3000K
Non Dimmable
- ○ F010B32A001
- ● F010B32A006
- ● F010B32A012
- ● F010B32A018
- ● F010B32A030
- ● F010B32A033

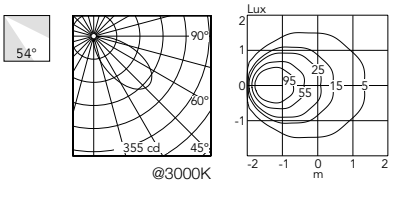
1-10V
- ○ F010B32B001
- ● F010B32B006
- ● F010B32B012
- ● F010B32B018
- ● F010B32B030
- ● F010B32B033

Dali
- ○ F010B32D001
- ● F010B32D006
- ● F010B32D012
- ● F010B32D018
- ● F010B32D030
- ● F010B32D033

4000K
Non Dimmable
- ○ F010B42A001
- ● F010B42A006
- ● F010B42A012
- ● F010B42A018
- ● F010B42A030
- ● F010B42A033

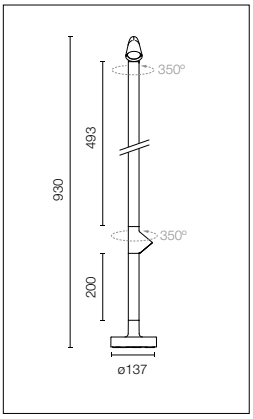
1-10V
- ○ F010B42B001
- ● F010B42B006
- ● F010B42B012
- ● F010B42B018
- ● F010B42B030
- ● F010B42B033

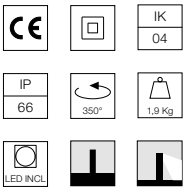
Dali
- ○ F010B42D001
- ● F010B42D006
- ● F010B42D012
- ● F010B42D018
- ● F010B42D030
- ● F010B42D033



Walkstick 2 Double







Doppia sorgente luminosa a LED inclusa. Teste orientabili indipendentemente 350° sull'asse verticale e 350° sull'asse orizzontale. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Dotato di uno spezzone di cavo uscente in neoprene e un sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie. Cassaforma per l'installazione a terra opzionale da ordinare separatamente.
Versione 110V a richiesta

2200K disponibile su richiesta.

Dual LED light source included. Heads independently adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation H_2O stop seal system. Box for ground installation sold separately.
110V version by request.

2200K available on request.

Power Led: 8,5W - 502+264 lm ≠ FIXT 333+185 lm - 2700K/CRI 80 - 220-240V / 8,5W - 539+283 lm ≠ FIXT 358+199 lm - 3000K/CRI 80 - 220-240V / 8,5W - 577+303 lm ≠ FIXT 382+212 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F010C22A001
- F010C22A006
- F010C22A012
- F010C22A018
- F010C22A030
- F010C22A033

1-10V
- F010C22B001
- F010C22B006
- F010C22B012
- F010C22B018
- F010C22B030
- F010C22B033

Dali
- F010C22D001
- F010C22D006
- F010C22D012
- F010C22D018
- F010C22D030
- F010C22D033

3000K

Non Dimmable
- F010C32A001
- F010C32A006
- F010C32A012
- F010C32A018
- F010C32A030
- F010C32A033

1-10V
- F010C32B001
- F010C32B006
- F010C32B012
- F010C32B018
- F010C32B030
- F010C32B033

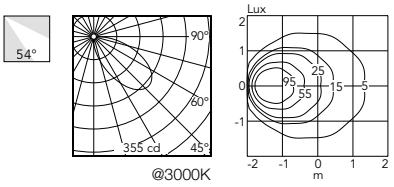
Dali
- F010C32D001
- F010C32D006
- F010C32D012
- F010C32D018
- F010C32D030
- F010C32D033

4000K

Non Dimmable
- F010C42A001
- F010C42A006
- F010C42A012
- F010C42A018
- F010C42A030
- F010C42A033

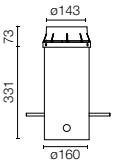
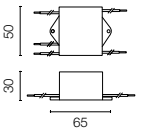
1-10V
- F010C42B001
- F010C42B006
- F010C42B012
- F010C42B018
- F010C42B030
- F010C42B033

Dali
- F010C42D001
- F010C42D006
- F010C42D012
- F010C42D018
- F010C42D030
- F010C42D033



@3000K

Walkstick: Accessori / Accessories

Cassaforma per l'installazione a terra.	Box for ground installation.	F001Z020000		
Dispositivo di protezione per il sovraccarico. 240Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

Belvedere

Designed by Antonio Citterio assistant Toan Nguyen

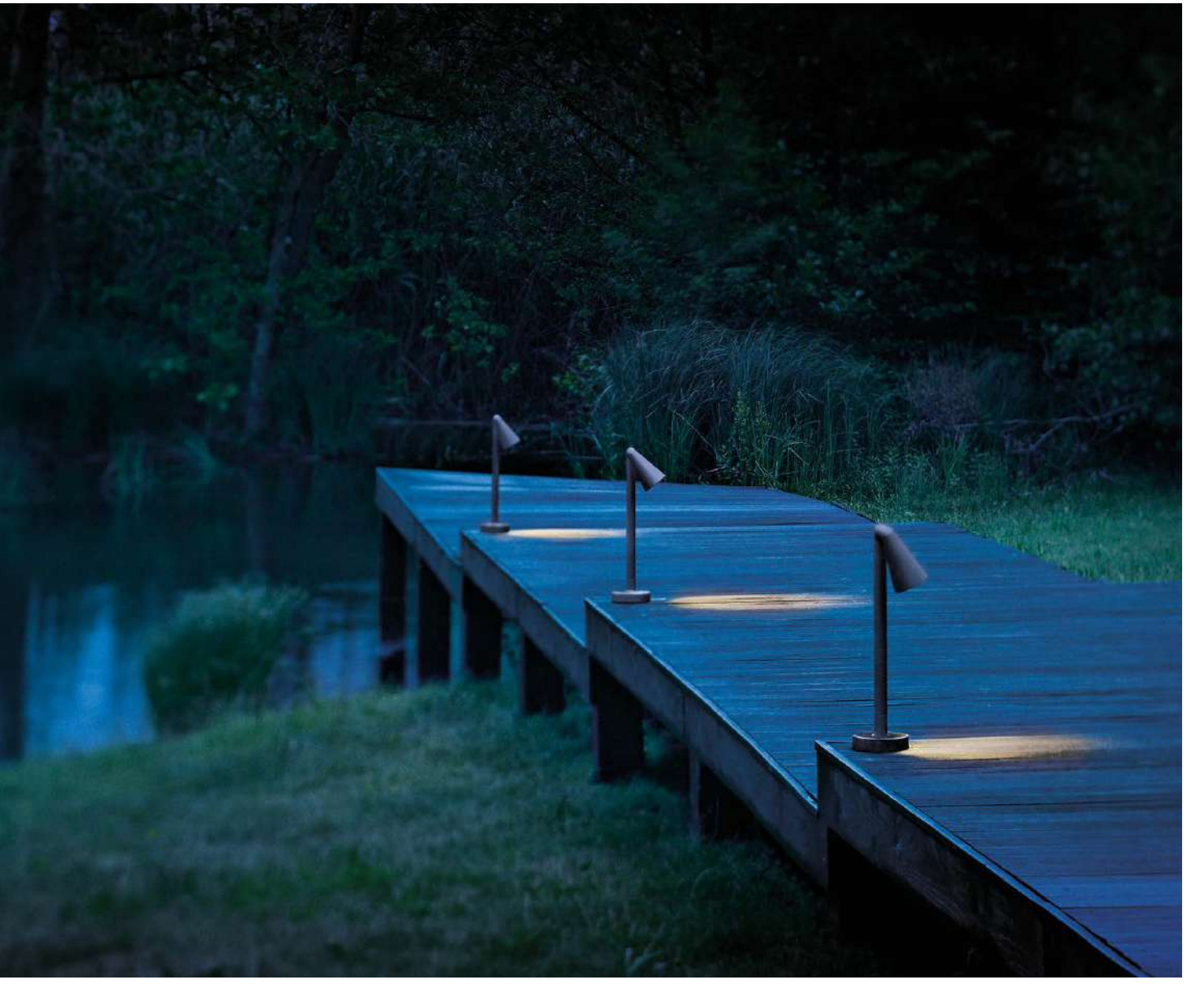




Belvedere Clove



Belvedere Spot



Famiglia / Family

Belvedere Clove



Power Led
8,4W
631 lm - 2700K/CRI 80
657 lm - 3000K/CRI 80
703 lm - 4000K/CRI 80
2200K available on request.

Belvedere Spot



Power Led
6W
425 lm - 2700K/CRI 80
440 lm - 3000K/CRI 80
473 lm - 4000K/CRI 80
Floor 1
2200K available on request.

Belvedere Spot Wall



Power Led
6W
425 lm - 2700K/CRI 80
440 lm - 3000K/CRI 80
473 lm - 4000K/CRI 80

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Belvedere Spot
Famiglia di apparecchi LED per illuminazione da esterno orientabili (doppia rotazione, asse verticale ed orizzontale) per installazione a terra (a pavimento o interrato) e con scatola di alimentazione integrata.

Belvedere Spot Wall
Apparecchio di illuminazione da esterno composto da un proiettore orientabile a 350°±5° sull'asse orizzontale per installazione a parete e con scatola di alimentazione integrata.

Belvedere Clove
Famiglia di apparecchi di illuminazione da esterno composta da versioni con palo di due differenti lunghezze per installazione a terra (a pavimento o interrato) e con scatola di alimentazione integrata.

Si raccomanda l'uso di un sistema di connessione con un grado di protezione maggiore o uguale al grado di protezione dell'apparecchio.

Belvedere Spot
Family of adjustable outdoor LED lighting luminaires (double rotation, vertical and horizontal axle) suitable for floor installations (ground or buried) and with integrated power supply box.

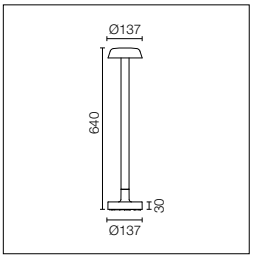
Belvedere Spot Wall
Outdoor luminaire consisting of an adjustable projector for up to 350°±5° on the horizontal axle suitable for wall installations and with integrated power supply box.

Belvedere Clove
Family of outdoor products consisting of luminaires with a pole of two different heights and suitable for floor installations (ground or buried) and with integrated power supply box.

We recommend using a connection system with a degree of protection greater than or equal to the degree of protection of the luminaire.

Belvedere Clove 1





IP 65 · IK 08 · 1,70 Kg · LED INCL

Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

2200K disponibile su richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

2200K available on request.

Power Led: 8,4W - 783 lm ≠ FIXT 631 lm - 2700K/CRI 80 - 220-240V / 8,4W - 816 lm ≠ FIXT 657 lm - 3000K/CRI 80 - 220-240V / 8,4W - 873 lm ≠ FIXT 703 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F001A21A001
- ● F001A21A006
- ● F001A21A012
- ● F001A21A018
- ● F001A21A030
- ● F001A21A033

1-10V
- ○ F001A21B001
- ● F001A21B006
- ● F001A21B012
- ● F001A21B018
- ● F001A21B030
- ● F001A21B033

Dali
- ○ F001A21D001
- ● F001A21D006
- ● F001A21D012
- ● F001A21D018
- ● F001A21D030
- ● F001A21D033

3000K

Non Dimmable
- ○ F001A31A001
- ● F001A31A006
- ● F001A31A012
- ● F001A31A018
- ● F001A31A030
- ● F001A31A033

1-10V
- ○ F001A31B001
- ● F001A31B006
- ● F001A31B012
- ● F001A31B018
- ● F001A31B030
- ● F001A31B033

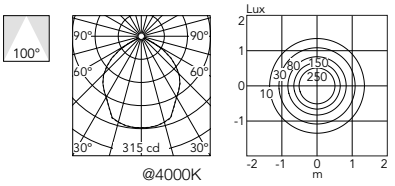
Dali
- ○ F001A31D001
- ● F001A31D006
- ● F001A31D012
- ● F001A31D018
- ● F001A31D030
- ● F001A31D033

4000K

Non Dimmable
- ○ F001A41A001
- ● F001A41A006
- ● F001A41A012
- ● F001A41A018
- ● F001A41A030
- ● F001A41A033

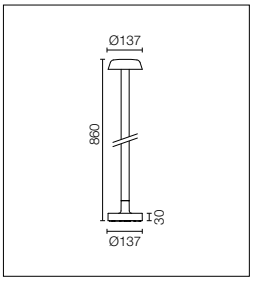
1-10V
- ○ F001A41B001
- ● F001A41B006
- ● F001A41B012
- ● F001A41B018
- ● F001A41B030
- ● F001A41B033

Dali
- ○ F001A41D001
- ● F001A41D006
- ● F001A41D012
- ● F001A41D018
- ● F001A41D030
- ● F001A41D033



Belvedere Clove 2





IP 65 · IK 08 · 2,10 Kg · LED INCL

Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

2200K disponibile su richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

2200K available on request.

Power Led: 8,4W - 783 lm ≠ FIXT 631 lm - 2700K/CRI 80 - 220-240V / 8,4W - 816 lm ≠ FIXT 657 lm - 3000K/CRI 80 - 220-240V / 8,4W - 873 lm ≠ FIXT 703 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F001B21A001
- ● F001B21A006
- ● F001B21A012
- ● F001B21A018
- ● F001B21A030
- ● F001B21A033

1-10V
- ○ F001B21B001
- ● F001B21B006
- ● F001B21B012
- ● F001B21B018
- ● F001B21B030
- ● F001B21B033

Dali
- ○ F001B21D001
- ● F001B21D006
- ● F001B21D012
- ● F001B21D018
- ● F001B21D030
- ● F001B21D033

3000K

Non Dimmable
- ○ F001B31A001
- ● F001B31A006
- ● F001B31A012
- ● F001B31A018
- ● F001B31A030
- ● F001B31A033

1-10V
- ○ F001B31B001
- ● F001B31B006
- ● F001B31B012
- ● F001B31B018
- ● F001B31B030
- ● F001B31B033

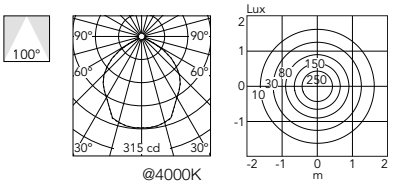
Dali
- ○ F001B31D001
- ● F001B31D006
- ● F001B31D012
- ● F001B31D018
- ● F001B31D030
- ● F001B31D033

4000K

Non Dimmable
- ○ F001B41A001
- ● F001B41A006
- ● F001B41A012
- ● F001B41A018
- ● F001B41A030
- ● F001B41A033

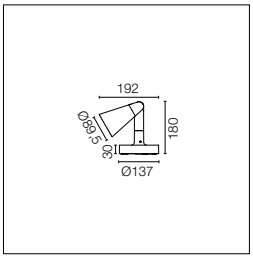
1-10V
- ○ F001B41B001
- ● F001B41B006
- ● F001B41B012
- ● F001B41B018
- ● F001B41B030
- ● F001B41B033

Dali
- ○ F001B41D001
- ● F001B41D006
- ● F001B41D012
- ● F001B41D018
- ● F001B41D030
- ● F001B41D033



Belvedere Spot Floor 1





CE | IK 04 | IP 65 | 350° | 350° | 1,05 Kg | LED INCL

Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H2O Stop. anti-condensa a 2 vie 4 poli.
Versione dimmerabile 24V disponibile su richiesta.

2200K disponibile su richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.

2200K available on request.

Power Led: 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

2700K

Non Dimmable
- F001C21A001.A
- F001C21A006.A
- F001C21A012.A
- F001C21A018.A
- F001C21A030.A
- F001C21A033.A

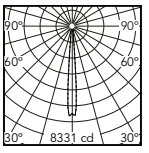
3000K

Non Dimmable
- F001C31A001.A
- F001C31A006.A
- F001C31A012.A
- F001C31A018.A
- F001C31A030.A
- F001C31A033.A

4000K

Non Dimmable
- F001C41A001
- F001C41A006
- F001C41A012
- F001C41A018
- F001C41A030
- F001C41A033

9° SPOT



@4000K

Beam Angle:	9°
h(m)	E(lx) D(m)
1	8330 0.16
2	2083 0.32
3	926 0.48
4	521 0.64
5	333 0.80

2700K

Non Dimmable
- F001C22A001.A
- F001C22A006.A
- F001C22A012.A
- F001C22A018.A
- F001C22A030.A
- F001C22A033.A

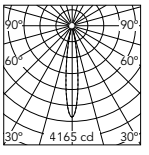
3000K

Non Dimmable
- F001C32A001.A
- F001C32A006.A
- F001C32A012.A
- F001C32A018.A
- F001C32A030.A
- F001C32A033.A

4000K

Non Dimmable
- F001C42A001
- F001C42A006
- F001C42A012
- F001C42A018
- F001C42A030
- F001C42A033

15° MEDIUM



@4000K

Beam Angle:	15°
h(m)	E(lx) D(m)
1	4165 0.26
2	1041 0.52
3	463 0.79
4	260 1.05
5	167 1.31

2700K

Non Dimmable
- F001C23A001.A
- F001C23A006.A
- F001C23A012.A
- F001C23A018.A
- F001C23A030.A
- F001C23A033.A

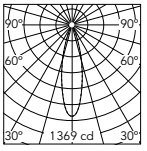
3000K

Non Dimmable
- F001C33A001.A
- F001C33A006.A
- F001C33A012.A
- F001C33A018.A
- F001C33A030.A
- F001C33A033.A

4000K

Non Dimmable
- F001C43A001
- F001C43A006
- F001C43A012
- F001C43A018
- F001C43A030
- F001C43A033

26° FLOOD

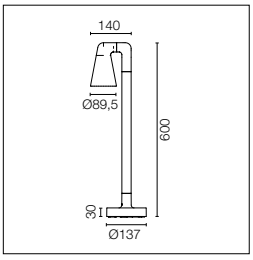


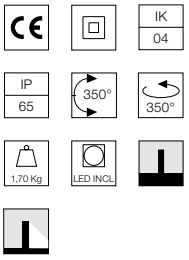
@4000K

Beam Angle:	26°
h(m)	E(lx) D(m)
1	1369 0.46
2	342 0.93
3	152 1.39
4	86 1.85
5	55 2.31

Belvedere Spot Floor 2







Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

Power Led: 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

2700K

Non Dimmable
- ○ F001D21A001.A
- ● F001D21A006.A
- ● F001D21A012.A
- ● F001D21A018.A
- ● F001D21A030.A
- ● F001D21A033.A

1-10V
- ○ F001D21B001.A
- ● F001D21B006.A
- ● F001D21B012.A
- ● F001D21B018.A
- ● F001D21B030.A
- ● F001D21B033.A

3000K

Non Dimmable
- ○ F001D31A001.A
- ● F001D31A006.A
- ● F001D31A012.A
- ● F001D31A018.A
- ● F001D31A030.A
- ● F001D31A033.A

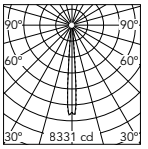
1-10V
- ○ F001D31B001.A
- ● F001D31B006.A
- ● F001D31B012.A
- ● F001D31B018.A
- ● F001D31B030.A
- ● F001D31B033.A

4000K

Non Dimmable
- ○ F001D41A001
- ● F001D41A006
- ● F001D41A012
- ● F001D41A018
- ● F001D41A030
- ● F001D41A033

1-10V
- ○ F001D41B001
- ● F001D41B006
- ● F001D41B012
- ● F001D41B018
- ● F001D41B030
- ● F001D41B033

9°
SPOT



@4000K

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	8330	0.16
2	2083	0.32
3	926	0.48
4	521	0.64
5	333	0.80

2700K

Non Dimmable
- ○ F001D22A001.A
- ● F001D22A006.A
- ● F001D22A012.A
- ● F001D22A018.A
- ● F001D22A030.A
- ● F001D22A033.A

1-10V
- ○ F001D22B001.A
- ● F001D22B006.A
- ● F001D22B033.A
- ● F001D22B030.A
- ● F001D22B018.A
- ● F001D22B012.A

3000K

Non Dimmable
- ○ F001D32A001.A
- ● F001D32A006.A
- ● F001D32A012.A
- ● F001D32A018.A
- ● F001D32A030.A
- ● F001D32A033.A

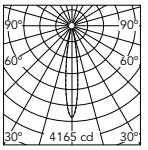
1-10V
- ○ F001D32B001.A
- ● F001D32B006.A
- ● F001D32B012.A
- ● F001D32B018.A
- ● F001D32B030.A
- ● F001D32B033.A

4000K

Non Dimmable
- ○ F001D42A001
- ● F001D42A006
- ● F001D42A012
- ● F001D42A018
- ● F001D42A030
- ● F001D42A033

1-10V
- ○ F001D42B001
- ● F001D42B006
- ● F001D42B012
- ● F001D42B018
- ● F001D42B030
- ● F001D42B033

15°
MEDIUM



@4000K

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4165	0.26
2	1041	0.52
3	463	0.79
4	260	1.05
5	167	1.31

2700K

Non Dimmable
- ○ F001D23A001.A
- ● F001D23A006.A
- ● F001D23A012.A
- ● F001D23A018.A
- ● F001D23A030.A
- ● F001D23A033.A

1-10V
- ○ F001D23B001.A
- ● F001D23B006.A
- ● F001D23B012.A
- ● F001D23B018.A
- ● F001D23B030.A
- ● F001D23B033.A

3000K

Non Dimmable
- ○ F001D33A001.A
- ● F001D33A006.A
- ● F001D33A012.A
- ● F001D33A018.A
- ● F001D33A030.A
- ● F001D33A033.A

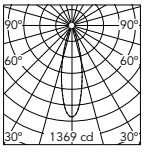
1-10V
- ○ F001D33B001.A
- ● F001D33B006.A
- ● F001D33B012.A
- ● F001D33B018.A
- ● F001D33B030.A
- ● F001D33B033.A

4000K

Non Dimmable
- ○ F001D43A001
- ● F001D43A006
- ● F001D43A012
- ● F001D43A018
- ● F001D43A030
- ● F001D43A033

1-10V
- ○ F001D43B001
- ● F001D43B006
- ● F001D43B012
- ● F001D43B018
- ● F001D43B030
- ● F001D43B033

26°
FLOOD



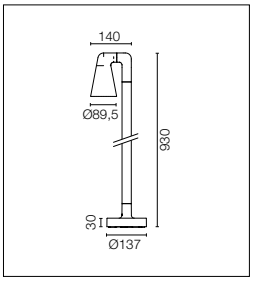
@4000K

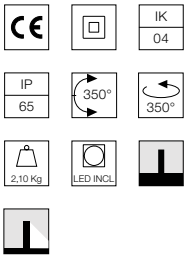
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1369	0.46
2	342	0.93
3	152	1.39
4	86	1.85
5	55	2.31

Belvedere Spot Floor 3







Alimentazione elettrica 220-240V inclusa. Pronto per l'installazione su superficie solida.
Box per l'installazione a terra da ordinare separatamente.
Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione 110V a richiesta.

220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

Power Led: 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

2700K

Non Dimmable
- F001E21A001.A
- F001E21A006.A
- F001E21A012.A
- F001E21A018.A
- F001E21A030.A
- F001E21A033.A

1-10V
- F001E21B001.A
- F001E21B006.A
- F001E21B012.A
- F001E21B018.A
- F001E21B030.A
- F001E21B033.A

Dali
- F001E21D001.A
- F001E21D006.A
- F001E21D012.A
- F001E21D018.A
- F001E21D030.A
- F001E21D033.A

3000K

Non Dimmable
- F001E31A001.A
- F001E31A006.A
- F001E31A012.A
- F001E31A018.A
- F001E31A030.A
- F001E31A033.A

1-10V
- F001E31B001.A
- F001E31B006.A
- F001E31B012.A
- F001E31B018.A
- F001E31B030.A
- F001E31B033.A

Dali
- F001E31D001.A
- F001E31D006.A
- F001E31D012.A
- F001E31D018.A
- F001E31D030.A
- F001E31D033.A

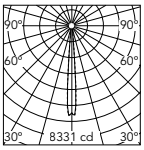
4000K

Non Dimmable
- F001E41A001
- F001E41A006
- F001E41A012
- F001E41A018
- F001E41A030
- F001E41A033

1-10V
- F001E41B001
- F001E41B006
- F001E41B012
- F001E41B018
- F001E41B030
- F001E41B033

Dali
- F001E41D001
- F001E41D006
- F001E41D012
- F001E41D018
- F001E41D030
- F001E41D033

9°
SPOT



@4000K

Beam Angle:		9°
h(m)	E(lx)	D(m)
1	8330	0.16
2	2083	0.32
3	926	0.48
4	521	0.64
5	333	0.80

2700K

Non Dimmable
- F001E22A001.A
- F001E22A006.A
- F001E22A012.A
- F001E22A018.A
- F001E22A030.A
- F001E22A033.A

1-10V
- F001E22B001.A
- F001E22B006.A
- F001E22B012.A
- F001E22B018.A
- F001E22B030.A
- F001E22B033.A

Dali
- F001E22D001.A
- F001E22D006.A
- F001E22D012.A
- F001E22D018.A
- F001E22D030.A
- F001E22D033.A

3000K

Non Dimmable
- F001E32A001.A
- F001E32A006.A
- F001E32A012.A
- F001E32A018.A
- F001E32A030.A
- F001E32A033.A

1-10V
- F001E32B001.A
- F001E32B006.A
- F001E32B012.A
- F001E32B018.A
- F001E32B030.A
- F001E32B033.A

Dali
- F001E32D001.A
- F001E32D006.A
- F001E32D012.A
- F001E32D018.A
- F001E32D030.A
- F001E32D033.A

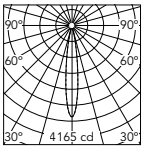
4000K

Non Dimmable
- F001E42A001
- F001E42A006
- F001E42A012
- F001E42A018
- F001E42A030
- F001E42A033

1-10V
- F001E42B001
- F001E42B006
- F001E42B012
- F001E42B018
- F001E42B030
- F001E42B033

Dali
- F001E42D001
- F001E42D006
- F001E42D012
- F001E42D018
- F001E42D030
- F001E42D033

15°
MEDIUM



@4000K

Beam Angle:		15°
h(m)	E(lx)	D(m)
1	4165	0.26
2	1041	0.52
3	463	0.79
4	260	1.05
5	167	1.31

2700K

Non Dimmable
- F001E23A001.A
- F001E23A006.A
- F001E23A012.A
- F001E23A018.A
- F001E23A030.A
- F001E23A033.A

1-10V
- F001E23B001.A
- F001E23B006.A
- F001E23B012.A
- F001E23B018.A
- F001E23B030.A
- F001E23B033.A

Dali
- F001E23D001.A
- F001E23D006.A
- F001E23D012.A
- F001E23D018.A
- F001E23D030.A
- F001E23D033.A

3000K

Non Dimmable
- F001E33A001
- F001E33A006
- F001E33A012
- F001E33A018
- F001E33A030
- F001E33A033

1-10V
- F001E33B001
- F001E33B006
- F001E33B012
- F001E33B018
- F001E33B030
- F001E33B033

Dali
- F001E33D001
- F001E33D006
- F001E33D012
- F001E33D018
- F001E33D030
- F001E33D033

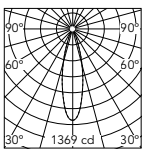
4000K

Non Dimmable
- F001E43A001
- F001E43A006
- F001E43A012
- F001E43A018
- F001E43A030
- F001E43A033

1-10V
- F001E43B001
- F001E43B006
- F001E43B012
- F001E43B018
- F001E43B030
- F001E43B033

Dali
- F001E43D001
- F001E43D006
- F001E43D012
- F001E43D018
- F001E43D030
- F001E43D033

26°
FLOOD

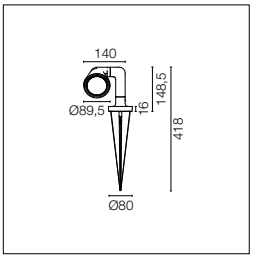


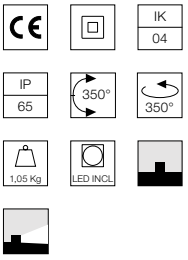
@4000K

Beam Angle:		26°
h(m)	E(lx)	D(m)
1	1369	0.46
2	342	0.93
3	152	1.39
4	86	1.85
5	55	2.31

Belvedere Spot Pick







Alimentazione elettrica 220-240V inclusa. Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione dimmerabile 24V disponibile su richiesta.
Versione 110V a richiesta.

220-240V power supply included. Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.
Version 110V upon request.

Power Led: 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

2700K

Non Dimmable

- F001F21A001.A
- F001F21A006.A
- F001F21A012.A
- F001F21A018.A
- F001F21A030.A
- F001F21A033.A

3000K

Non Dimmable

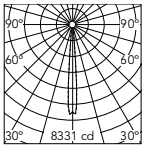
- F001F31A001.A
- F001F31A006.A
- F001F31A012.A
- F001F31A018.A
- F001F31A030.A
- F001F31A033.A

4000K

Non Dimmable

- F001F41A001
- F001F41A006
- F001F41A012
- F001F41A018
- F001F41A030
- F001F41A033

9° SPOT



@4000K

Beam Angle: 9°

h(m)	E(lx)	D(m)
1	8330	0.16
2	2083	0.32
3	926	0.48
4	521	0.64
5	333	0.80

2700K

Non Dimmable

- F001F22A001.A
- F001F22A006.A
- F001F22A012.A
- F001F22A018.A
- F001F22A030.A
- F001F22A033.A

3000K

Non Dimmable

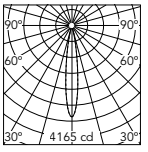
- F001F32A001.A
- F001F32A006.A
- F001F32A012.A
- F001F32A018.A
- F001F32A030.A
- F001F32A033.A

4000K

Non Dimmable

- F001F42A001
- F001F42A006
- F001F42A012
- F001F42A018
- F001F42A030
- F001F42A033

15° MEDIUM



@4000K

Beam Angle: 15°

h(m)	E(lx)	D(m)
1	4165	0.26
2	1041	0.52
3	463	0.79
4	260	1.05
5	167	1.31

2700K

Non Dimmable

- F001F23A001.A
- F001F23A006.A
- F001F23A012.A
- F001F23A018.A
- F001F23A030.A
- F001F23A033.A

3000K

Non Dimmable

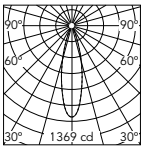
- F001F33A001.A
- F001F33A006.A
- F001F33A012.A
- F001F33A018.A
- F001F33A030.A
- F001F33A033.A

4000K

Non Dimmable

- F001F43A001
- F001F43A006
- F001F43A012
- F001F43A018
- F001F43A030
- F001F43A033

26° FLOOD



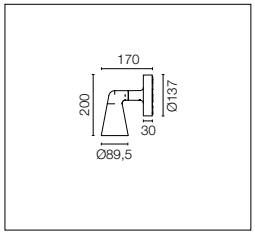
@4000K

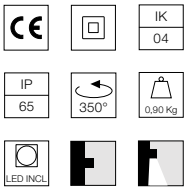
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1369	0.46
2	342	0.93
3	152	1.39
4	86	1.85
5	55	2.31

Belvedere Spot Wall







Attacco a parete. Alimentazione elettrica 220-240V inclusa. Include un sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.
Versione dimmerabile 24V disponibile su richiesta.

Direct wall installation. 220-240V power supply included. Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.

Power Led: 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

2700K

Non Dimmable
- ○ F001G21A001.A
- F001G21A006.A
- F001G21A012.A
- F001G21A018.A
- ● F001G21A030.A
- F001G21A033.A

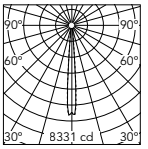
3000K

Non Dimmable
- ○ F001G31A001.A
- F001G31A006.A
- F001G31A012.A
- F001G31A018.A
- ● F001G31A030.A
- F001G31A033.A

4000K

Non Dimmable
- ○ F001G41A001
- F001G41A006
- F001G41A012
- F001G41A018
- ● F001G41A030
- F001G41A033

9° SPOT



@4000K

Beam Angle:	9°
h(m)	E(lx) D(m)
1	8330 0.16
2	2083 0.32
3	926 0.48
4	521 0.64
5	333 0.80

2700K

Non Dimmable
- ○ F001G22A001.A
- F001G22A006.A
- F001G22A012.A
- F001G22A018.A
- ● F001G22A030.A
- F001G22A033.A

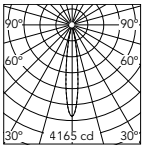
3000K

Non Dimmable
- ○ F001G32A001.A
- F001G32A006.A
- F001G32A012.A
- F001G32A018.A
- ● F001G32A030.A
- F001G32A033.A

4000K

Non Dimmable
- ○ F001G42A001
- F001G42A006
- F001G42A012
- F001G42A018
- ● F001G42A030
- F001G42A033

15° MEDIUM



@4000K

Beam Angle:	15°
h(m)	E(lx) D(m)
1	4165 0.26
2	1041 0.52
3	463 0.79
4	260 1.05
5	167 1.31

2700K

Non Dimmable
- ○ F001G23A001.A
- F001G23A006.A
- F001G23A012.A
- F001G23A018.A
- ● F001G23A030.A
- F001G23A033.A

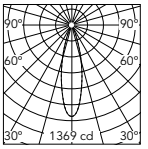
3000K

Non Dimmable
- ○ F001G33A001.A
- F001G33A006.A
- F001G33A012.A
- F001G33A018.A
- ● F001G33A030.A
- F001G33A033.A

4000K

Non Dimmable
- ○ F001G43A001
- F001G43A006
- F001G43A012
- F001G43A018
- ● F001G43A030
- F001G43A033

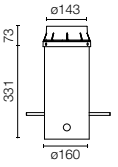
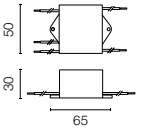
26° FLOOD



@4000K

Beam Angle:	26°
h(m)	E(lx) D(m)
1	1369 0.46
2	342 0.93
3	152 1.39
4	86 1.85
5	55 2.31

Belvedere Spot: Accessori / Accessories

Cassaforma per l'installazione a terra.	Box for ground installation.	Bellvedere Spot / Clove F001Z020000	 
Visiera spot.	Spot visor.	Bellvedere Spot F001Z010000	
Visiera spot con "honeycomb".	Spot visor with honeycomb.	Bellvedere Spot F001Z030000	
Visiera spot con "flood".	Spot visor with flood lens.	Bellvedere Spot F001Z040000	
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	Bellvedere Spot / Clove / Wall F990E00A000	 

Klein Pro

Designed by Flos Outdoor









Klein Pro

Famiglia / Family

Klein Pro



Power Led
11W
294 lm - 2700K/CRI 80
304 lm - 3000K/CRI 80
325 lm - 4000K/CRI 80

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite



70 Anodized Natural



71 Anodized Black



73 Anodized Gold*

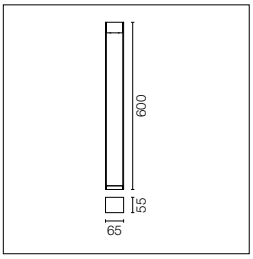
* Solo per schermo. / Only for pole screen.

Descrizione / Description

Il corpo del paletto Klein Pro è stato realizzato in alluminio estruso mentre la base e il diffusore sono in alluminio pressofuso EN AB-47100 con un basso tenore di rame.
Rivestimento ad alta resistenza: il trattamento esterno viene applicato con un doppio strato di polveri epossidiche conformemente alla norma QUALICOAT. Il primo strato di polvere fornisce una resistenza chimica e meccanica; un secondo strato di finitura di polvere di poliestere garantisce la resistenza.
È disponibile anche con finitura anodizzata.

The body of Klein Pro bollard is made of extruded aluminium, base and diffuser in die-cast aluminium EN AB-47100 with a low copper content.
High-resistance coating: the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance.
Also available in anodized finishes.





IP 66 · IK 07 · 1,25 Kg · LED INCL

Alimentazione elettrica 220-240V integrata. Gli accessori per installazione su superficie solida o per fissaggio al terreno sono da ordinare a parte.
Ogni apparecchio di illuminazione è dotato di un segmento di 1000 mm di cavo in uscita e un kit di cablaggio.

220-240V power supply integrated. Solid surface or ground installation accessories to be ordered separately.
Each luminaire is equipped with 1000 mm lenght outgoing cable and a wiring kit.

Power Led: 11W - 1089 lm ≠ FIXT 294 lm - 2700K/CRI 80 - 220-240V / 11W - 1126 lm ≠ FIXT 304 lm - 3000K/CRI 80 - 220-240V / 11W - 1211 lm ≠ FIXT 325 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F002A20A001.B
- F002A20A006.B
- F002A20A012.B
- F002A20A018.B
- F002A20A030.B
- F002A20A033.B
- F002A21A070.B
- F002A21A071.B

1-10V
- F002A20B001.B
- F002A20B006.B
- F002A20B012.B
- F002A20B018.B
- F002A20B030.B
- F002A20B033.B
- F002A21B070.B
- F002A21B071.B

Dali
- F002A20D001.B
- F002A20D006.B
- F002A20D012.B
- F002A20D018.B
- F002A20D030.B
- F002A20D033.B
- F002A21D070.B
- F002A21D071.B

3000K

Non Dimmable
- F002A30A001.B
- F002A30A006.B
- F002A30A012.B
- F002A30A018.B
- F002A30A030.B
- F002A30A033.B
- F002A31A070.B
- F002A31A071.B

1-10V
- F002A30B001.B
- F002A30B006.B
- F002A30B012.B
- F002A30B018.B
- F002A30B030.B
- F002A30B033.B
- F002A31B070.B
- F002A31B071.B

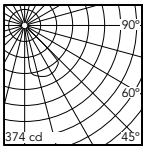
Dali
- F002A30D001.B
- F002A30D006.B
- F002A30D012.B
- F002A30D018.B
- F002A30D030.B
- F002A30D033.B
- F002A31D070.B
- F002A31D071.B

4000K

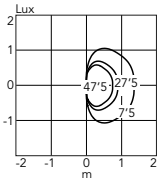
Non Dimmable
- F002A40A001.B
- F002A40A006.B
- F002A40A012.B
- F002A40A018.B
- F002A40A030.B
- F002A40A033.B
- F002A41A070.B
- F002A41A071.B

1-10V
- F002A40B001.B
- F002A40B006.B
- F002A40B012.B
- F002A40B018.B
- F002A40B030.B
- F002A40B033.B
- F002A41B070.B
- F002A41B071.B

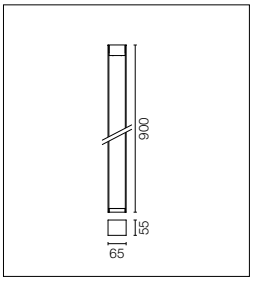
Dali
- F002A40D001.B
- F002A40D006.B
- F002A40D012.B
- F002A40D018.B
- F002A40D030.B
- F002A40D033.B
- F002A41D070.B
- F002A41D071.B



@4000K







IP 66 · IK 07 · 1,95 Kg · LED INCL

Alimentazione elettrica 220-240V integrata. Gli accessori per installazione su superficie solida o per fissaggio al terreno sono da ordinare a parte.
Ogni apparecchio di illuminazione è dotato di un segmento di 1000 mm di cavo in uscita e un kit di cablaggio.

220-240V power supply integrated. Solid surface or ground installation accessories to be ordered separately.
Each luminaire is equipped with 1000 mm lenght outgoing cable and a wiring kit.

Power Led: 11W - 1089 lm ≠ FIXT 294 lm - 2700K/CRI 80 - 220-240V / 11W - 1126 lm ≠ FIXT 304 lm - 3000K/CRI 80 - 220-240V / 11W - 1211 lm ≠ FIXT 325 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F002B20A001.B
- F002B20A006.B
- F002B20A012.B
- F002B20A018.B
- F002B20A030.B
- F002B20A033.B
- F002B21A070.B
- F002B21A071.B

1-10V
- F002B20B001.B
- F002B20B006.B
- F002B20B012.B
- F002B20B018.B
- F002B20B030.B
- F002B20B033.B
- F002B21B070.B
- F002B21B071.B

Dali
- F002B20D001.B
- F002B20D006.B
- F002B20D012.B
- F002B20D018.B
- F002B20D030.B
- F002B20D033.B
- F002B21D070.B
- F002B21D071.B

3000K

Non Dimmable
- F002B30A001.B
- F002B30A006.B
- F002B30A012.B
- F002B30A018.B
- F002B30A030.B
- F002B30A033.B
- F002B31A070.B
- F002B31A071.B

1-10V
- F002B30B001.B
- F002B30B006.B
- F002B30B012.B
- F002B30B018.B
- F002B30B030.B
- F002B30B033.B
- F002B31B070.B
- F002B31B071.B

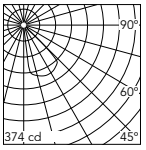
Dali
- F002B30D001.B
- F002B30D006.B
- F002B30D012.B
- F002B30D018.B
- F002B30D030.B
- F002B30D033.B
- F002B31D070.B
- F002B31D071.B

4000K

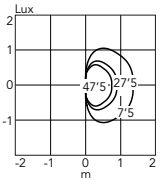
Non Dimmable
- F002B40A001.B
- F002B40A006.B
- F002B40A012.B
- F002B40A018.B
- F002B40A030.B
- F002B40A033.B
- F002B41A070.B
- F002B41A071.B

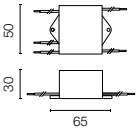
1-10V
- F002B40B001.B
- F002B40B006.B
- F002B40B012.B
- F002B40B018.B
- F002B40B030.B
- F002B40B033.B
- F002B41B070.B
- F002B41B071.B

Dali
- F002B40D001.B
- F002B40D006.B
- F002B40D012.B
- F002B40D018.B
- F002B40D030.B
- F002B40D033.B
- F002B41D070.B
- F002B41D071.B



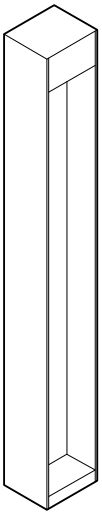
@4000K

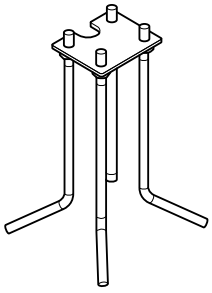


Base di fissaggio per superfici solide.	Fixing base for solid surfaces.	○ F002Z010001.A ● F002Z010006.A ● F002Z010012.A ● F002Z010018.A ● F002Z010030.A ● F002Z010033.A	
Piastra di fissaggio a terra Minimal Klein Pro, 47x57xH160 mm.	Minimal Klein Pro ground fixation plate, 47x57xH160 mm.	F002Z030000.A	
Piastra di fissaggio a terra e tirafondi Klein Pro 85x85xH160mm.	Klein Pro base plate and fixing bolts 85x85xH160 mm.	F002Z020000	
Schermo estetico anodizzato.	Anodized aestetical pole screen.	H 600 mm ● F002Z040070 ● F002Z040071 ● F002Z040073 H 900 mm ● F002Z050070 ● F002Z050071 ● F002Z050073	
Dispositivo di protezione per il sovraccarico. 240 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	 

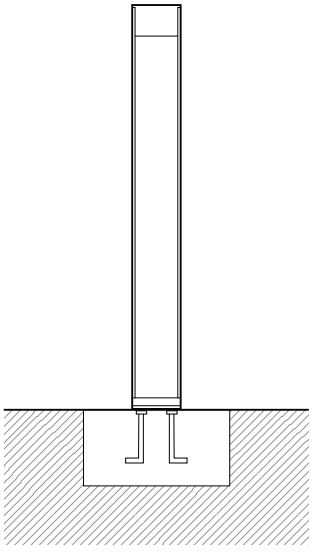
Opzioni Montaggio / Installation Options

Option 1
Con tirafondi /
Fixing anchor bolts

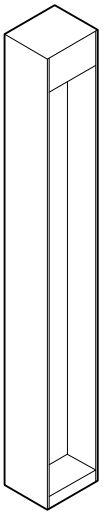


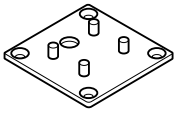


cod. F002Z030000.A

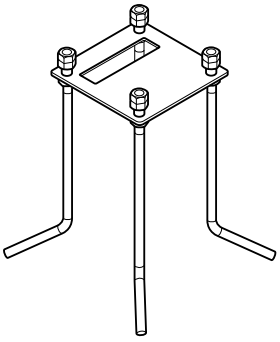


Option 2
Con base e tirafondi /
With base and fixing anchor bolts

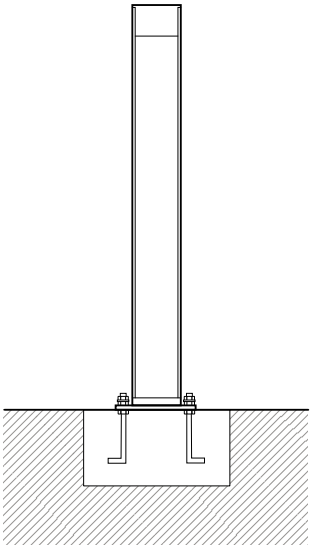




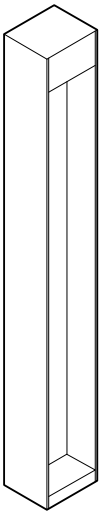
cod. F002Z0100.A

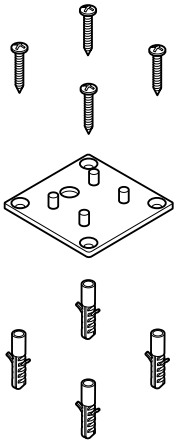


cod. F002Z020000

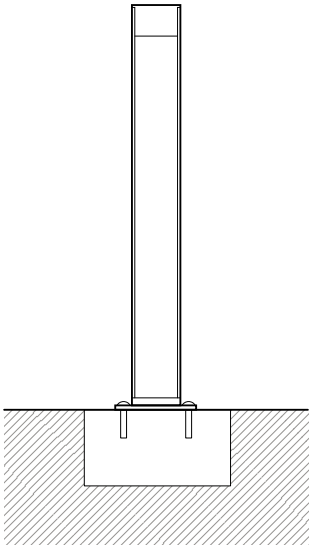


Option 3
Base per fissagio con tasselli (non inclusi) /
With base for bolts (not included)





cod. F002Z0100.A



Zefiro









Famiglia / Family

Zefiro



Mid - Power Led
up to 14,5W
up to 1357 lm - 2700K/CRI 80
up to 1423 lm - 3000K/CRI 80
up to 1494 lm - 4000K/CRI 80
* Net lumen output

Colori / Colours

01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

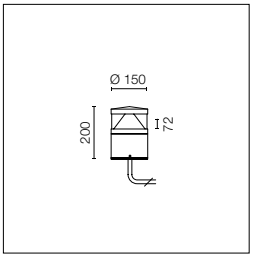
Descrizione / Description

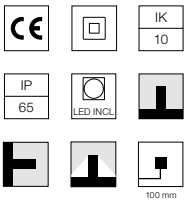
Bollard per esterno con sorgente luminosa a LED, disponibili in tre altezze. Struttura cilindrica del palo in alluminio estruso, testa dell'apparecchio in fusione di alluminio, diffusore in policarbonato trasparente e stabilizzato ai raggi UV.
La sorgente luminosa integrata nella testa permette una emissione luminosa asimmetrica radiale direzionata verso il basso che combinata con il riflettore conico in alluminio verniciato permette il contenimento delle riflessioni dirette verso l'alto.
L'apparecchio è disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.
L'apparecchio può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato piastra di ancoraggio e tirafondi per rendere la base del prodotto totalmente solidale con la pavimentazione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Outdoor bollard with LED light source. Available in three heights. Cylindrical, extruded aluminium body, die-cast aluminium cap, polycarbonate, transparent and UV-stabilized diffuser. The light source integrated in the cap allows a radial and asymmetrical light emission oriented towards the base, which can be combined to the painted aluminium, conical reflector to contain the direct reflection upwards. Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.

Zefiro 200







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotato di spezzone di cavo uscente in neoprene di 1m e di sistema di giunzione IP68 H2O Stop a 2 vie. Installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.

LED source included. Integrated electric power supply 220-240V ON/ OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Mid - Power Led: 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 3000K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53201401.A
- FA53201406.A
- FA53201412.A
- FA53201418.A
- FA53201430.A
- FA53201433.A

1-10V
- FA53201401-310.A
- FA53201406-310.A
- FA53201412-310.A
- FA53201418-310.A
- FA53201430-310.A
- FA53201433-310.A

Dali
- FA53201401-300.B
- FA53201406-300.B
- FA53201412-300.B
- FA53201418-300.B
- FA53201430-300.B
- FA53201433-300.B

3000K

Non Dimmable
- FA53200301.A
- FA53200306.A
- FA53200312.A
- FA53200318.A
- FA53200330.A
- FA53200333.A

1-10V
- FA53200301-310.A
- FA53200306-310.A
- FA53200312-310.A
- FA53200318-310.A
- FA53200330-310.A
- FA53200333-310.A

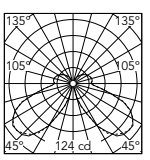
Dali
- FA53200301-300.B
- FA53200306-300.B
- FA53200312-300.B
- FA53200318-300.B
- FA53200330-300.B
- FA53200333-300.B

4000K

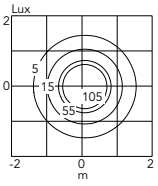
Non Dimmable
- FA53200201.A
- FA53200206.A
- FA53200212.A
- FA53200218.A
- FA53200230.A
- FA53200233.A

1-10V
- FA53200201-310.A
- FA53200206-310.A
- FA53200212-310.A
- FA53200218-310.A
- FA53200230-310.A
- FA53200233-310.A

Dali
- FA53200201-300.B
- FA53200206-300.B
- FA53200212-300.B
- FA53200218-300.B
- FA53200230-300.B
- FA53200233-300.B

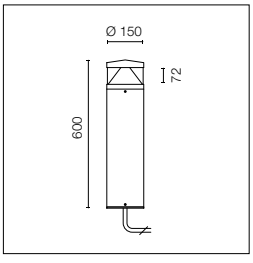


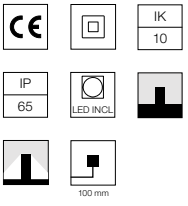
@ 4000K



Zefiro 600







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotato di spezzone di cavo uscente in neoprene di 1m e di sistema di giunzione IP68 H2O Stop a 2 vie. Installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.
Versione Mid-night a richiesta.

LED source included. Integrated electric power supply 220-240V ON/OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.
Mid-Night version available upon request.

Mid - Power Led: 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53201701.A
- FA53201706.A
- FA53201712.A
- FA53201718.A
- FA53201730.A
- FA53201733.A

1-10V
- FA53201701-310.A
- FA53201706-310.A
- FA53201712-310.A
- FA53201718-310.A
- FA53201730-310.A
- FA53201733-310.A

Dali
- FA53201701-300.B
- FA53201706-300.B
- FA53201712-300.B
- FA53201718-300.B
- FA53201730-300.B
- FA53201733-300.B

3000K

Non Dimmable
- FA53200601.A
- FA53200606.A
- FA53200612.A
- FA53200618.A
- FA53200630.A
- FA53200633.A

1-10V
- FA53200601-310.A
- FA53200606-310.A
- FA53200612-310.A
- FA53200618-310.A
- FA53200630-310.A
- FA53200633-310.A

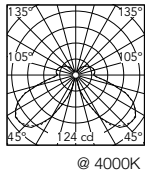
Dali
- FA53200601-300.B
- FA53200606-300.B
- FA53200612-300.B
- FA53200618-300.B
- FA53200630-300.B
- FA53200633-300.B

4000K

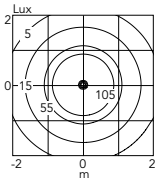
Non Dimmable
- FA53200501.A
- FA53200506.A
- FA53200512.A
- FA53200518.A
- FA53200530.A
- FA53200533.A

1-10V
- FA53200501-310.A
- FA53200506-310.A
- FA53200512-310.A
- FA53200518-310.A
- FA53200530-310.A
- FA53200533-310.A

Dali
- FA53200501-300.B
- FA53200506-300.B
- FA53200512-300.B
- FA53200518-300.B
- FA53200530-300.B
- FA53200533-300.B

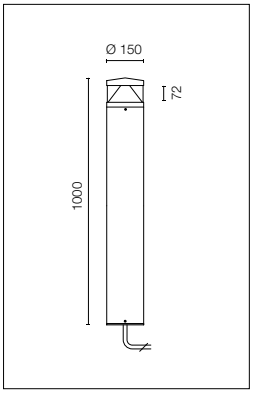


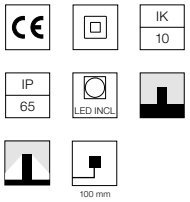
@ 4000K



Zefiro 1000







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotato di spezzone di cavo uscente in neoprene di 1m e di sistema di giunzione IP68 H2O Stop a 2 vie. Installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.
Versione Mid-night a richiesta.

LED source included. Integrated electric power supply 220-240V ON/ OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately. Mid-Night version available upon request.

Mid - Power Led: 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53202001.A
- FA53202006.A
- FA53202012.A
- FA53202018.A
- FA53202030.A
- FA53202033.A

1-10V
- FA53202001-310.A
- FA53202006-310.A
- FA53202012-310.A
- FA53202018-310.A
- FA53202030-310.A
- FA53202033-310.A

Dali
- FA53202001-300.B
- FA53202006-300.B
- FA53202012-300.B
- FA53202018-300.B
- FA53202030-300.B
- FA53202033-300.B

3000K

Non Dimmable
- FA53200901.A
- FA53200906.A
- FA53200912.A
- FA53200918.A
- FA53200930.A
- FA53200933.A

1-10V
- FA53200901-310.A
- FA53200906-310.A
- FA53200912-310.A
- FA53200918-310.A
- FA53200930-310.A
- FA53200933-310.A

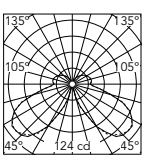
Dali
- FA53200901-300.B
- FA53200906-300.B
- FA53200912-300.B
- FA53200918-300.B
- FA53200930-300.B
- FA53200933-300.B

4000K

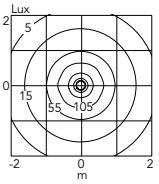
Non Dimmable
- FA53200801.A
- FA53200806.A
- FA53200812.A
- FA53200818.A
- FA53200830.A
- FA53200833.A

1-10V
- FA53200801-310.A
- FA53200806-310.A
- FA53200812-310.A
- FA53200818-310.A
- FA53200830-310.A
- FA53200833-310.A

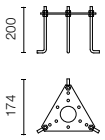
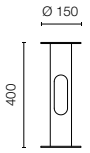
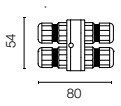
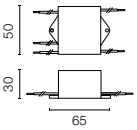
Dali
- FA53200801-300.B
- FA53200806-300.B
- FA53200812-300.B
- FA53200818-300.B
- FA53200830-300.B
- FA53200833-300.B



@ 4000K

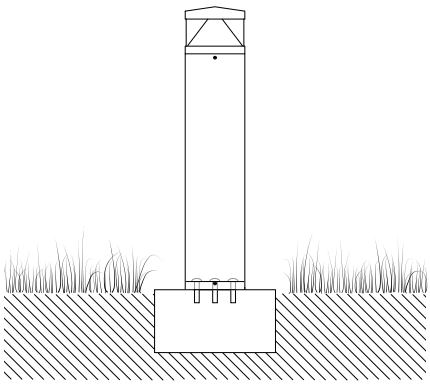


Zefiro: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA21		
Base di fissaggio a terra ad alta resistenza.	High resistance in-ground box for installation	FA185.A		
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

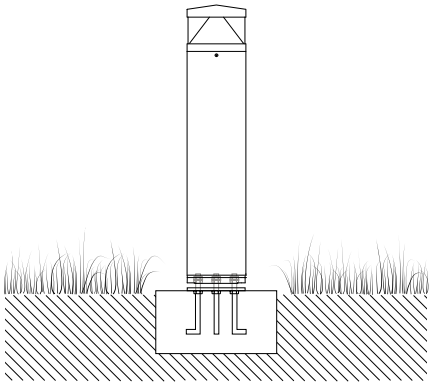
Metodo di fissaggio corretto
Paletto fissato su un plinto in cemento + viti di fissaggio idonee.

Correct Fixing Method
Bollard fixed on plinth + plug.



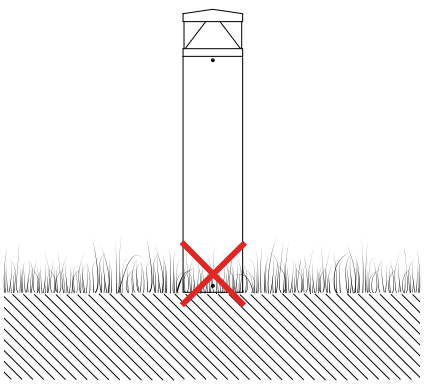
Metodo di fissaggio corretto
Paletto fissato su un piccolo in cemento + piastra di ancoraggio e tirafondi.

Correct Fixing Method
Bollard fixed on plinth + fixing bolts.



Metodo di fissaggio non corretto
Non fissare il paletto direttamente sul terreno.

Incorrect Fixing Method
Do not fix the bollard directly on the ground.



I-Ron






I-Ron

Famiglia / Family

I-Ron



Power Led
up to 9W
up to 391 lm - 2700K/CRI 80
up to 420 lm - 3000K/CRI 80
up to 448 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours



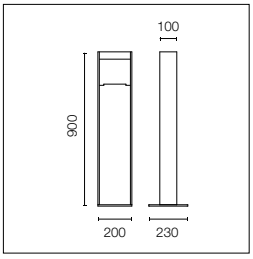
90 Zinc

Descrizione / Description

Bollard per esterno con struttura composta da una trave IPE con profilo ad H in acciaio zincato ad immersione a caldo ad alta resistenza alla corrosione. Grazie al particolare design, l'apparecchio è utilizzabile anche come dissuasore architettonico fisso. La sorgente luminosa a LED in posizione arretrata è protetta da un diffusore posizionato nella parte superiore della barra, composto da un contenitore di materiale plastico con copertura zincata. Le componenti elettriche sono alloggiate nel retro dell'apparecchio. L'apparecchio può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato piastra di ancoraggio e tirafondi per rendere la base del prodotto totalmente solidale con la pavimentazione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Outdoor bollard with hot-dip zinc-coated IPE steel bar H-frame structure for high resistance to corrosion. Thanks to its unique design, the fixture can also be used as a fixed architectural bollard. The LED light source is located at the back of the fixture and is protected by a plastic diffuser covered by zinc, which is located on the upper part of the bar. The electric components are located at the back of the luminaire. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.





IP 65 · IK 10 · LED INCL

Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotato di due pressacavi per cavi 8mm<ø<13mm per connessione entra-esci. Installabile su qualsiasi pavimento per mezzo di tasselli. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.

2200K disponibile su richiesta.

LED source included. Integrated electric power supply 220-240V ON/OFF. Equipped with two rubber cable guides (8<ø<13mm cables) for inlet-outlet connections. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

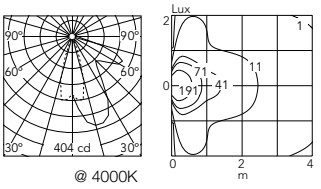
2200K available on request.

Power Led: 9W - 1011 lm ≠ OUTPUT 391 lm - 2700K/CRI 80 - 220-240V / 9W - 1087 lm ≠ OUTPUT 420 lm - 3000K/CRI 80 - 220-240V / 9W - 1162 lm ≠ OUTPUT 448 lm - 4000K/CRI 80 - 220-240V

2700K
- FA1041060090

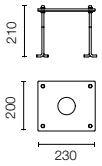
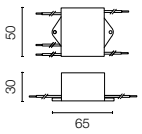
3000K
- FA1041040090

4000K
- FA1041970090



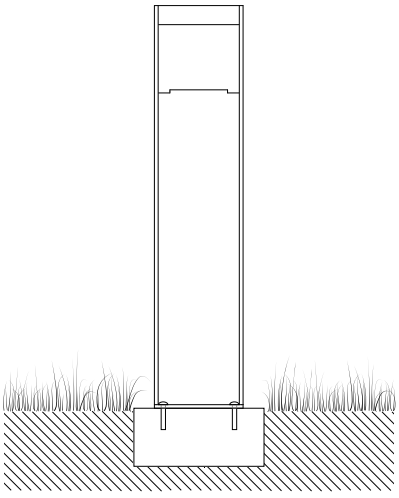
@ 4000K

I-Ron: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA109		
Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

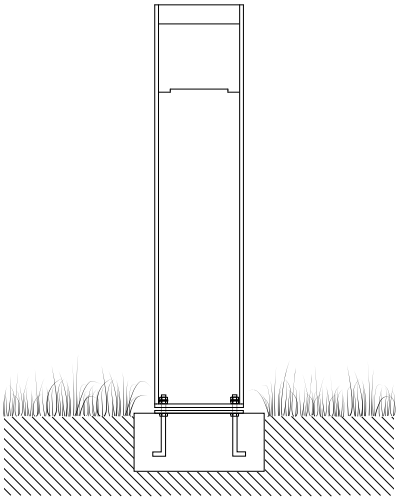
Metodo di fissaggio corretto
Paletto fissato su un plinto in cemento + viti di fissaggio idonee.

Correct Fixing Method
Bollard fixed on plinth + plug.



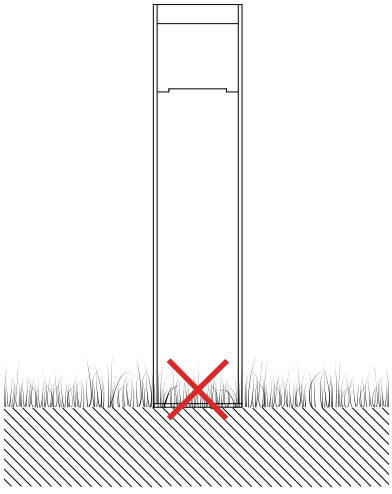
Metodo di fissaggio corretto
Paletto fissato su un piccolo in cemento + piastra di ancoraggio e tirafondi.

Correct Fixing Method
Bollard fixed on plinth + fixing bolts.



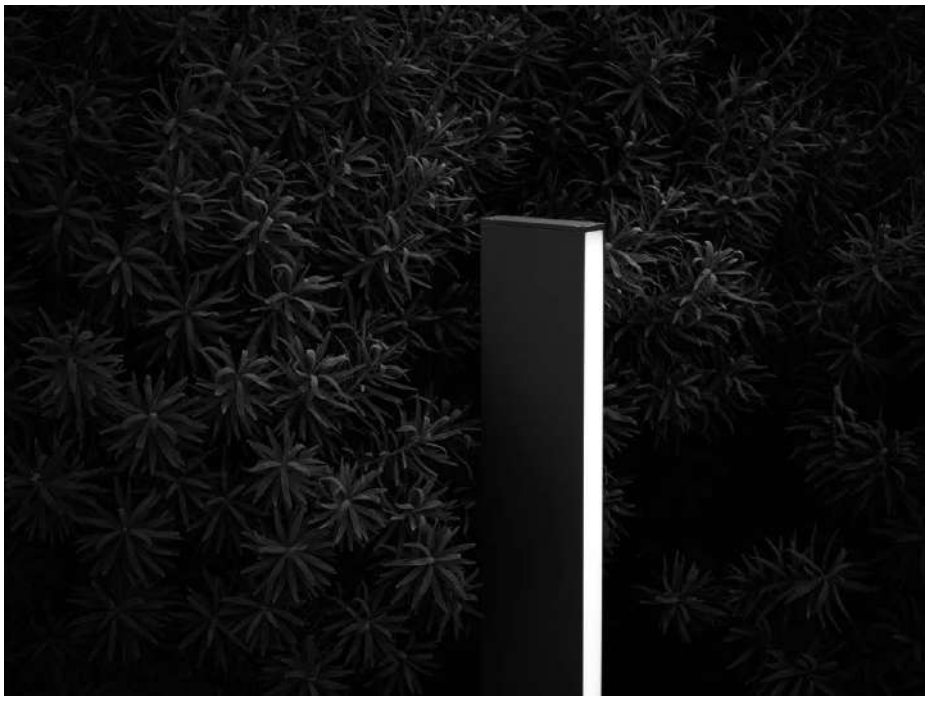
Metodo di fissaggio non corretto
Non fissare il paletto direttamente sul terreno.

Incorrect Fixing Method
Do not fix the bollard directly on the ground.



Talia



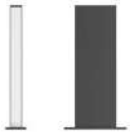






Famiglia / Family

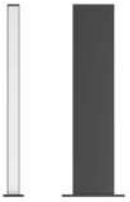
Talia 360



Low - Power Led
up to 4W
up to 73 lm - 2700K/CRI 80
up to 73 lm - 3000K/CRI 80
up to 73 lm - 4000K/CRI 80
* Net lumen output

Low - Power Led
up to 7W
up to 2x73 lm - 2700K/CRI 80
up to 2x73 lm - 3000K/CRI 80
up to 2x73 lm - 4000K/CRI 80
* Net lumen output

Talia 560



Low - Power Led
up to 6W
up to 123 lm - 2700K/CRI 80
up to 123 lm - 3000K/CRI 80
up to 123 lm - 4000K/CRI 80
* Net lumen output

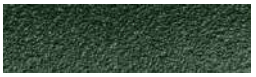
Low - Power Led
up to 11W
up to 2x123 lm - 2700K/CRI 80
up to 2x123 lm - 3000K/CRI 80
up to 2x123 lm - 4000K/CRI 80
* Net lumen output

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

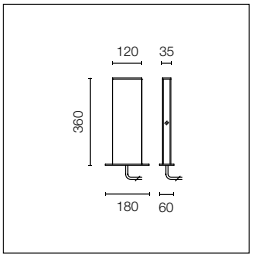
Descrizione / Description

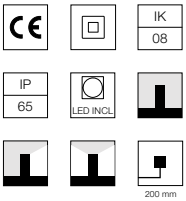
Bollard per esterno equipaggiato con sorgente luminosa a LED. Disponibile in due altezze, declinate con emissione luminosa monodirezionale o bidirezionale. Struttura in alluminio estruso, testa dell'apparecchio in fusione di alluminio, diffusore in policarbonato opale e stabilizzato ai raggi UV. Il modulo led lineare è alloggiato in un cilindro di protezione sigillato in policarbonato trasparente con valvola di compensazione. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. L'apparecchio può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato piastra di ancoraggio e tirafondi per rendere la base del prodotto totalmente solidale con la pavimentazione. Le viterie di fissaggio del paletto sono in acciaio inox AISI 316L.

Outdoor bollard with LED light source. Available in two heights and monodirectional or bidirectional light emission. Extruded aluminium body. Die-cast aluminium cap. UV-stabilized, opal polycarbonate diffuser. The linear LED module is housed in a sealed transparent polycarbonate cylinder with compensation valve. Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.

Talia 360







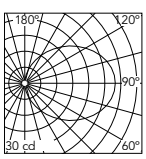
Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotato di spezzone di cavo uscente in neoprene di circa 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Installabile su qualsiasi pavimento per mezzo di tasselli.
Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.

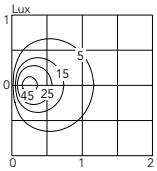
LED source included. Integrated electric power supply 220-240V ON/OFF. The luminaire is equipped with a protruding, neoprene, two meter cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Single Emission

Power Led: 4W - 216 lm ≠ OUTPUT 73 lm - 2700K/CRI 80 - 220÷240V / 4W - 216 lm ≠ OUTPUT 73 lm - 3000K / CRI 80 - 220÷240V / 4W - 216 lm ≠ OUTPUT 73 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA50320601	○ FA50300601.A	○ FA50301101.A
● FA50320606	● FA50300606.A	● FA50301106.A
● FA50320612	● FA50300612.A	● FA50301112.A
● FA50320618	● FA50300618.A	● FA50301118.A
● FA50320630	● FA50300630.A	● FA50301130.A
● FA50320633	● FA50300633.A	● FA50301133.A



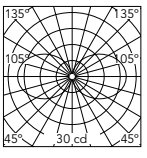


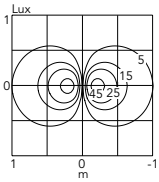
@4000K

Double Emission

Power Led: 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 2700K/CRI 80 - 220÷240V / 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 4000K/CRI 80 - 220÷240V / 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 4000K/CRI 80 - 220÷240V

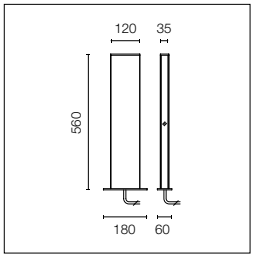
2700K	3000K	4000K
○ FA50320801	○ FA50300801	○ FA50301201.A
● FA50320806	● FA50300806	● FA50301206.A
● FA50320812	● FA50300812	● FA50301212.A
● FA50320818	● FA50300818	● FA50301218.A
● FA50320830	● FA50300830	● FA50301230.A
● FA50320833	● FA50300833	● FA50301233.A





@4000K





IP 65

IK 08

LED INCL

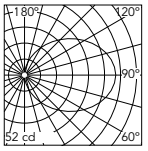
Sorgente luminosa a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotato di spezzone di cavo uscente in neoprene di circa 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Installabile su qualsiasi pavimento per mezzo di tasselli.
Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.

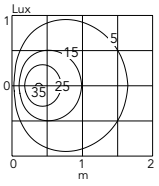
LED source included. Integrated electric power supply 220-240V ON/OFF. The luminaire is equipped with a protruding, neoprene, two meter cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Single Emission

Power Led: 6W - 360 lm ≠ OUTPUT 123 lm - 2700K/CRI 80 - 220÷240V / 6W - 360 lm ≠ OUTPUT 123 lm - 3000K/CRI 80 - 220÷240V / 6W - 360 lm ≠ OUTPUT 123 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA50320201	○ FA50300201.A	○ FA50300901
● FA50320206	● FA50300206.A	● FA50300906
● FA50320212	● FA50300212.A	● FA50300912
● FA50320218	● FA50300218.A	● FA50300918
● FA50320230	● FA50300230.A	● FA50300930
● FA50320233	● FA50300233.A	● FA50300933



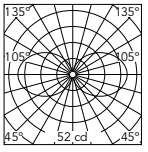


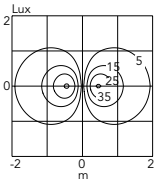
@4000K

Double Emission

Power Led: 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 2700K/CRI 80 - 220÷240V / 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 3000K/CRI 80 - 220÷240V / 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 4000K/CRI 80 - 220÷240V

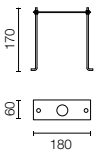
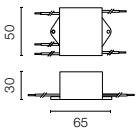
2700K	3000K	4000K
○ FA50320401	○ FA50300401.A	○ FA50301001.A
● FA50320406	● FA50300406.A	● FA50301006.A
● FA50320412	● FA50300412.A	● FA50301012.A
● FA50320418	● FA50300418.A	● FA50301018.A
● FA50320430	● FA50300430.A	● FA50301030.A
● FA50320433	● FA50300433.A	● FA50301033.A





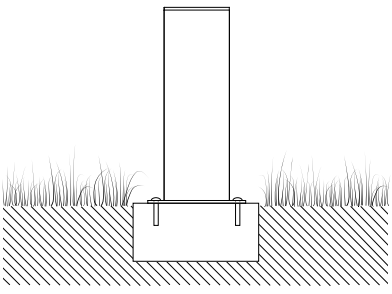
@4000K

Talia: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA139		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		
Sistema di giunzione IP68 a 2 vie 4 poli. (ø7÷12mm cavo).	2 way terminal block 4 poles IP68. (ø7÷12mm cable).	F990C040000		

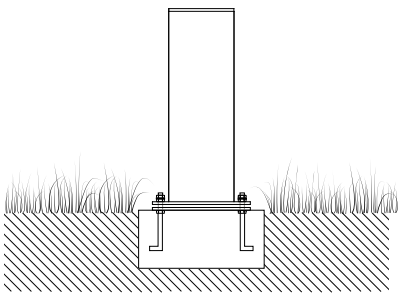
Metodo di fissaggio corretto
Paletto fissato su un plinto in cemento + viti di fissaggio idonee.

Correct Fixing Method
Bollard fixed on plinth + plug.



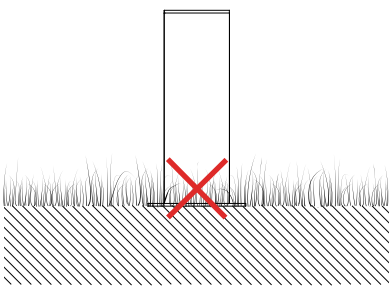
Metodo di fissaggio corretto
Paletto fissato su un piccolo in cemento + piastra di ancoraggio e tirafondi.

Correct Fixing Method
Bollard fixed on plinth + fixing bolts.



Metodo di fissaggio non corretto
Non fissare il paletto direttamente sul terreno.

Incorrect Fixing Method
Do not fix the bollard directly on the ground.



Real Matter

Designed by Piero Lissoni





Real Matter



Famiglia / Family

Real Matter



Low - Power Led
3W
71 lm - 2700K/CRI 80
82 lm - 3000K/CRI 80
2200K available on request.

Colori / Colours



44 Brushed Gold



47 Brushed Bronze



55 Brushed Stainless Steel



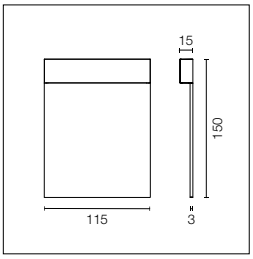
66 Polished Copper

Descrizione / Description

Apparecchio da esterni per installazione a incasso a parete con fonte di luce a LED.
Corpo in acciaio inox AISI 316L trattato con processo PVD (Physical Vapour Deposition). Grazie a questo innovativo trattamento, dopo il processo di lucidatura o spazzolatura secondo la finitura scelta, le superfici del Real Matter sono ricoperte da un sottile film di metalli come zirconio e titanio che, combinandosi con l'acciaio a livello molecolare, ne aumentano le caratteristiche di resistenza sia meccanica che agli agenti atmosferici, permettendo la realizzazione di finiture pregiate e durevoli.
Diffusore in policarbonato stabilizzato ai raggi UV.
L'apparecchio è fornito con due cavi di alimentazione uscenti L 200mm e con un kit per la connessione a tenuta IP. È necessario utilizzare una cassaforma, da ordinare separatamente.
L'alimentatore elettrico a 24V può essere installato in remoto o alloggiato posteriormente all'apparecchio nella cassaforma.
Prodotto in 3 differenti versioni in base alla modalità di installazione:
- in muratura o in cemento con apposita cassaforma da incasso.
- in parete di cartongesso con apposite molle.
- in muratura o in cemento senza cassaforma da incasso: l'apparecchio viene incollato direttamente sulla superficie.

Luminaire for outdoor use for built-in installation on the wall with LED light source.
Body made of stainless steel AISI 316L treated with the PVD process (Physical Vapour Deposition). Thanks to this innovative treatment, after the polishing or brushing process, according to the finishing choice, the surfaces of Real Matter are coated with a thin film of metals such as zirconium and titanium which, combining with the steel at the molecular level, increase the characteristics of resistance to both mechanical and to atmospheric agents, allowing the realization of elegant and durable finishings.
UV-stabilized polycarbonate diffuser.
The luminaire is provided with two L 200 mm lenght outgoing power cables and with a kit for the hermetic IP connection. It is necessary to use an installation box, to be ordered separately.
24V power supply may be installed remotely or housed at the back of the luminaire in the box for installation.
3 version available select the model suitable for your type of installation:
- in concrete surface with recessed box to.
- in plasterboard surface supplied with springs.
- on solid surface no recessed box needed, the fixtures is directly glued on the surface.





IP 65 · 0,60 Kg · IK 10 · LED INCL

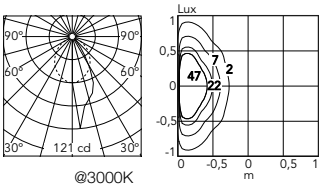
Alimentazione elettrica remota 24V da ordinare separatamente. Apparecchio fornito con due cavi di alimentazione da 200 mm e kit per la connessione IP. Prodotto in 3 differenti versioni; ordinare il codice corretto in base alla modalità di installazione:
- in muratura o in cemento con apposita cassaforma da incasso da ordinare separatamente.
- in parete di cartongesso con apposite molle incluse (per contropareti spessore min 5 mm- max 20 mm).
- in muratura o in cemento senza cassaforma da incasso: l'apparecchio viene incollato direttamente sulla superficie (collante da scegliere a cura dell'installatore in base al materiale su cui andrà installato l'apparecchio).

2200K disponibile su richiesta.

Remote power supply 24V to be ordered separately.
The fixture is prewired with 200mm cable and an IP connection kit.
3 version available (select the model suitable for your type of installation):
- in concrete surface with recessed box to be ordered separately.
- in plasterboard surface (surface thickness min 5mm-max20mm) model supplied with springs.
- on solid surface no recessed box needed, the fixtures is directly glued on the surface (type of gluing to be select by the operator based on the type of surface).

2200K available on request.

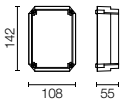
Low-Power Led: 3W - 180 lm ≠ FIXT 71 lm - 2700K/CRI 80 - 24V / 3W - 200 lm ≠ FIXT 82 lm - 3000K/CRI 80 - 24V



@3000K

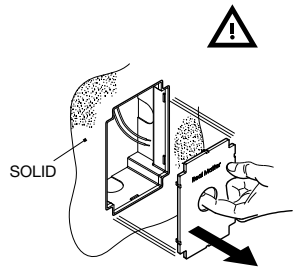
2700K	3000K
Installazione in muratura con cassaforma/ Installation in masonry with box for installation	
F5960044	F5961044
F5960047	F5961047
F5960055	F5961055
F5960066	F5961066
Installazione in parete di cartongesso (min 5mm - max 20mm)/ Installation in plasterboard wall	
F5980044	F5981044
F5980047	F5981047
F5980055	F5981055
F5980066	F5981066
Installazione in muratura senza cassaforma/ Installation in masonry without box for installation	
F5970044	F5971044
F5970047	F5971047
F5970055	F5971055
F5970066	F5971066

Real Matter: Accessori / Accessories

Cassaforma per muratura o parete in cemento.	Box for installation for masonry or concrete wall.	F5962000		

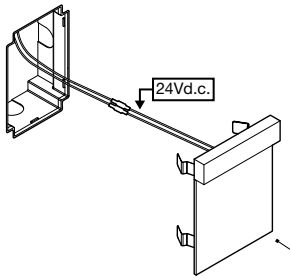
Installazione in Muratura con Cassaforma / Installation in Masonry with Box for Installation

cassaforma a filo parete
flush with the installation surface



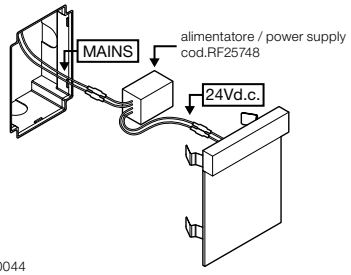
cassaforma / box for installation
cod.F5962000

cablaggio con alimentatore remoto
wiring with remote power supply

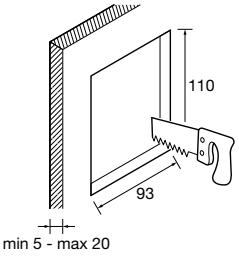


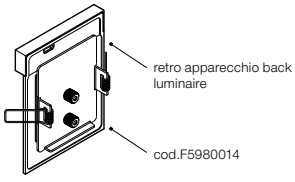
cod.F5960044

opzionale / optional
cablaggio con alimentatore / wiring with power supply
cod.RF25748

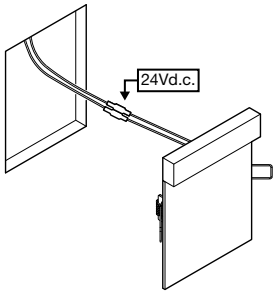


Installazione in Parete di Cartongesso / Installation in Plasterboard Wall

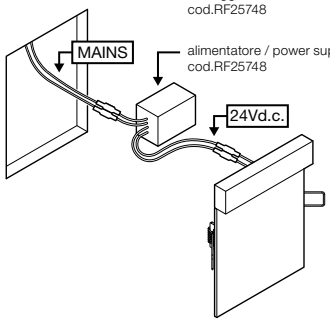


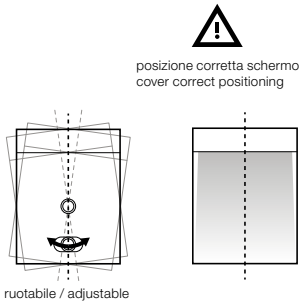


cablaggio con alimentatore remoto wiring
with remote power supply



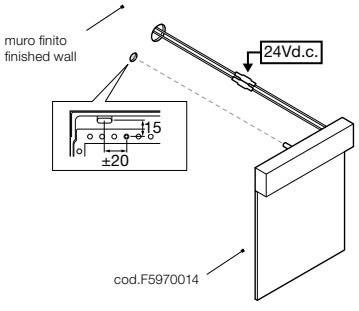
opzionale / optional
cablaggio con alimentatore / wiring with power supply
cod.RF25748



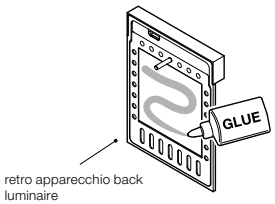


ruotabile / adjustable

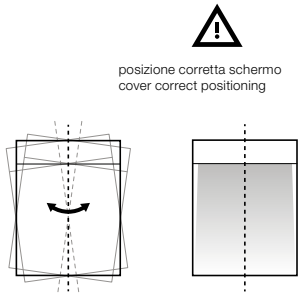
Installazione in Muratura senza Cassaforma / Installation in Masonry without Box for Installation



cod.F5970014

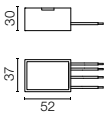
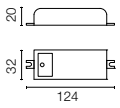
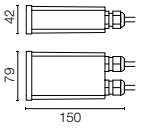
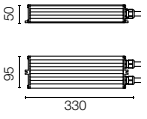
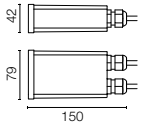
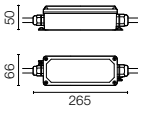
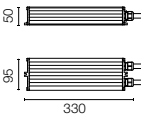


retro apparecchio back
luminaire



ruotabile / adjustable

Real Matter: Driver / Drivers

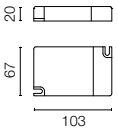
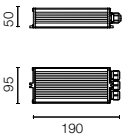
Alimentatore 24Vdc 8W / 110-240V IP65 Classe II selv. Può essere alloggiato nella cassaforma F5962000.	Power supply 24Vdc 8W / 110-240V IP65 Class II selv. It can be housed in installation box F5962000.	*RF25748		
Alimentatore per installazione remota 24Vdc 10W / 110-240V IP20 Classe II selv.	Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	*F990B23AZ00		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25748	2
Acc. RF25747	3
Acc. RF25757	3
Acc. RF25752	5
Acc. F990B23AZ00	9
Acc. F990B28A000	13
Acc. F990B27A000	19
Acc. F990B29A000	27

Real Matter: Driver / Drivers

Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable 1-10V		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI		

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. RF25750	4
		Acc. RF26387.A	5

My Way

Designed by Piero Lissoni









My Way

Famiglia / Family

My Way 110 x 100



Mid - Power Led
5W
188 lm - 2700K/CRI 80
211 lm - 3000K/CRI 80
221 lm - 4000K/CRI 80

My Way 110 x 200



Mid - Power Led
13W
657 lm - 2700K/CRI 80
763 lm - 3000K/CRI 80
801 lm - 4000K/CRI 80

My Way 210 x 200



Mid - Power Led
13W
669 lm - 2700K/CRI 80
777 lm - 3000K/CRI 80
817 lm - 4000K/CRI 80

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

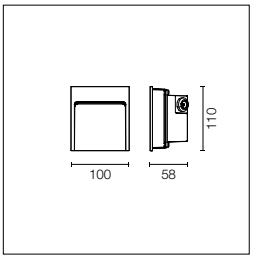
Descrizione / Description

Apparecchio da esterni per installazione a incasso a parete con fonte di luce a LED.
Corpo in alluminio pressofuso EN AB-47100 (a basso contenuto di rame).
Rivestimento ad alta resistenza: dopo un trattamento di sabbiatura di tutti componenti per rendere la superficie porosa e garantire una maggiore adesione della vernice, è applicato il rivestimento esterno con un doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici.
Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Diffusore in policarbonato satinato, stabilizzato ai raggi UV, incollato alla testa del prodotto per garantire la tenuta all'acqua.

Luminaire for outdoor use for built-in installation on the wall with LED light source.
Aluminum die-cast body EN AB-47100 (low copper content).
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Frosted polycarbonate diffuser, UV-stabilised, glued to the head of the product to ensure a watertight seal.

My Way 110x100





IK 07 | IP 65 | 0,52 Kg | LED INCL

Alimentazione elettrica 110/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 120 mm e sistema di connessione su cavo IP67.
Versione dimmerabile a richiesta.

Integrated 110/240V power supply. Supplied with a 120 mm lenght outgoing neoprene cable and IP67 cable connection system.
Dimmable version on request.

Mid-Power Led: 5W - 421 lm ≠ FIXT 188 lm - 2700K/CRI 80 - 100-240V / 5W - 490 lm ≠ FIXT 211 lm - 3000K/CRI 80 - 100-240V / 5W - 514 lm ≠ FIXT 221 lm - 4000K/CRI 80 - 100-240V

2700K

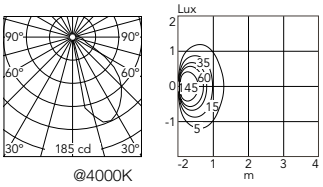
- ○ F4350001
- ● F4350006
- ● F4350012
- ● F4350018
- ● F4350030
- ● F4350033

3000K

- ○ F4351001
- ● F4351006
- ● F4351012
- ● F4351018
- ● F4351030
- ● F4351033

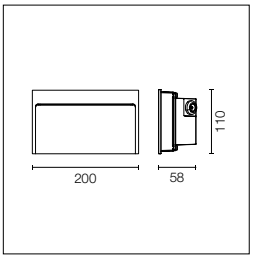
4000K

- ○ F4352001
- ● F4352006
- ● F4352012
- ● F4352018
- ● F4352030
- ● F4352033



My Way 110x200





IK 08 | IP 65 | 0,95 Kg | LED INCL

Alimentazione elettrica 220/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 120 mm e sistema di connessione su cavo IP67.

Integrated 220/240V power supply. Supplied with a 120 mm lenght outgoing neoprene cable and IP67 cable connection system.

Mid-Power Led: 13W - 1357 lm ≠ FIXT 657 lm - 2700K/CRI 80 - 220-240V / 13W - 1577 lm ≠ FIXT 763 lm - 3000K/CRI 80 - 220-240V / 13W - 1656 lm ≠ FIXT 801 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ F4353001
- ● F4353006
- ● F4353012
- ● F4353018
- ● F4353030
- ● F4353033

1-10V
- ○ F4353001-310
- ● F4353006-310
- ● F4353012-310
- ● F4353018-310
- ● F4353030-310
- ● F4353033-310

Dali
- ○ F4353001-300
- ● F4353006-300
- ● F4353012-300
- ● F4353018-300
- ● F4353030-300
- ● F4353033-300

3000K

Non Dimmable
- ○ F4354001
- ● F4354006
- ● F4354012
- ● F4354018
- ● F4354030
- ● F4354033

1-10V
- ○ F4354001-310
- ● F4354006-310
- ● F4354012-310
- ● F4354018-310
- ● F4354030-310
- ● F4354033-310

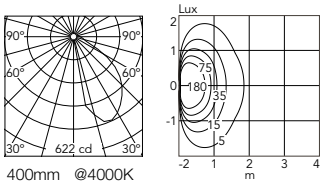
Dali
- ○ F4354001-300
- ● F4354006-300
- ● F4354012-300
- ● F4354018-300
- ● F4354030-300
- ● F4354033-300

4000K

Non Dimmable
- ○ F4355001
- ● F4355006
- ● F4355012
- ● F4355018
- ● F4355030
- ● F4355033

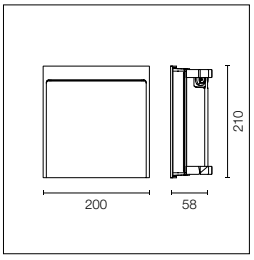
1-10V
- ○ F4355001-310
- ● F4355006-310
- ● F4355012-310
- ● F4355018-310
- ● F4355030-310
- ● F4355033-310

Dali
- ○ F4355001-300
- ● F4355006-300
- ● F4355012-300
- ● F4355018-300
- ● F4355030-300
- ● F4355033-300



My Way 210x200





IP 65 · 1,44 Kg · IK 08 · LED INCL

Alimentazione elettrica 220/240V integrata. Dotata di un doppio pressacavo in materiale plastico per sezione cavi 7,5<ø<9,5 mm.

Integrated 220/240V power supply. Supplied with a double lenght in plastic material for 7.5<ø<9.5 mm section cables.

Mid-Power Led: 13W - 1357 lm ≠ FIXT 669 lm - 2700K/CRI 80 - 220-240V / 13W - 1577 lm ≠ FIXT 777 lm - 3000K/CRI 80 - 220-240V / 13W - 1656 lm ≠ FIXT 817 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F4356001
- F4356006
- F4356012
- F4356018
- F4356030
- F4356033

1-10V
- F4356001-310
- F4356006-310
- F4356012-310
- F4356018-310
- F4356030-310
- F4356033-310

Dali
- F4356001-300
- F4356006-300
- F4356012-300
- F4356018-300
- F4356030-300
- F4356033-300

3000K

Non Dimmable
- F4357001
- F4357006
- F4357012
- F4357018
- F4357030
- F4357033

1-10V
- F4357001-310
- F4357006-310
- F4357012-310
- F4357018-310
- F4357030-310
- F4357033-310

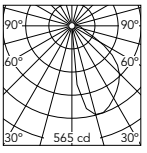
Dali
- F4357001-300
- F4357006-300
- F4357012-300
- F4357018-300
- F4357030-300
- F4357033-300

4000K

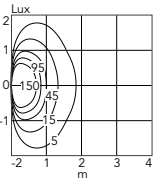
Non Dimmable
- F4358001
- F4358006
- F4358012
- F4358018
- F4358030
- F4358033

1-10V
- F4358001-310
- F4358006-310
- F4358012-310
- F4358018-310
- F4358030-310
- F4358033-310

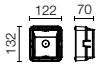
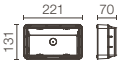
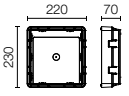
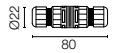
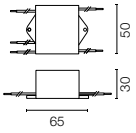
Dali
- F4358001-300
- F4358006-300
- F4358012-300
- F4358018-300
- F4358030-300
- F4358033-300



@4000K



My Way: Accessori / Accessories

Cassaforma.	Box for installation.	My Way 100x110 F4301000		
Cassaforma.	Box for installation.	My Way 200x110 F4302000		
Cassaforma.	Box for installation.	My Way 200x210 F4303000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C00A000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

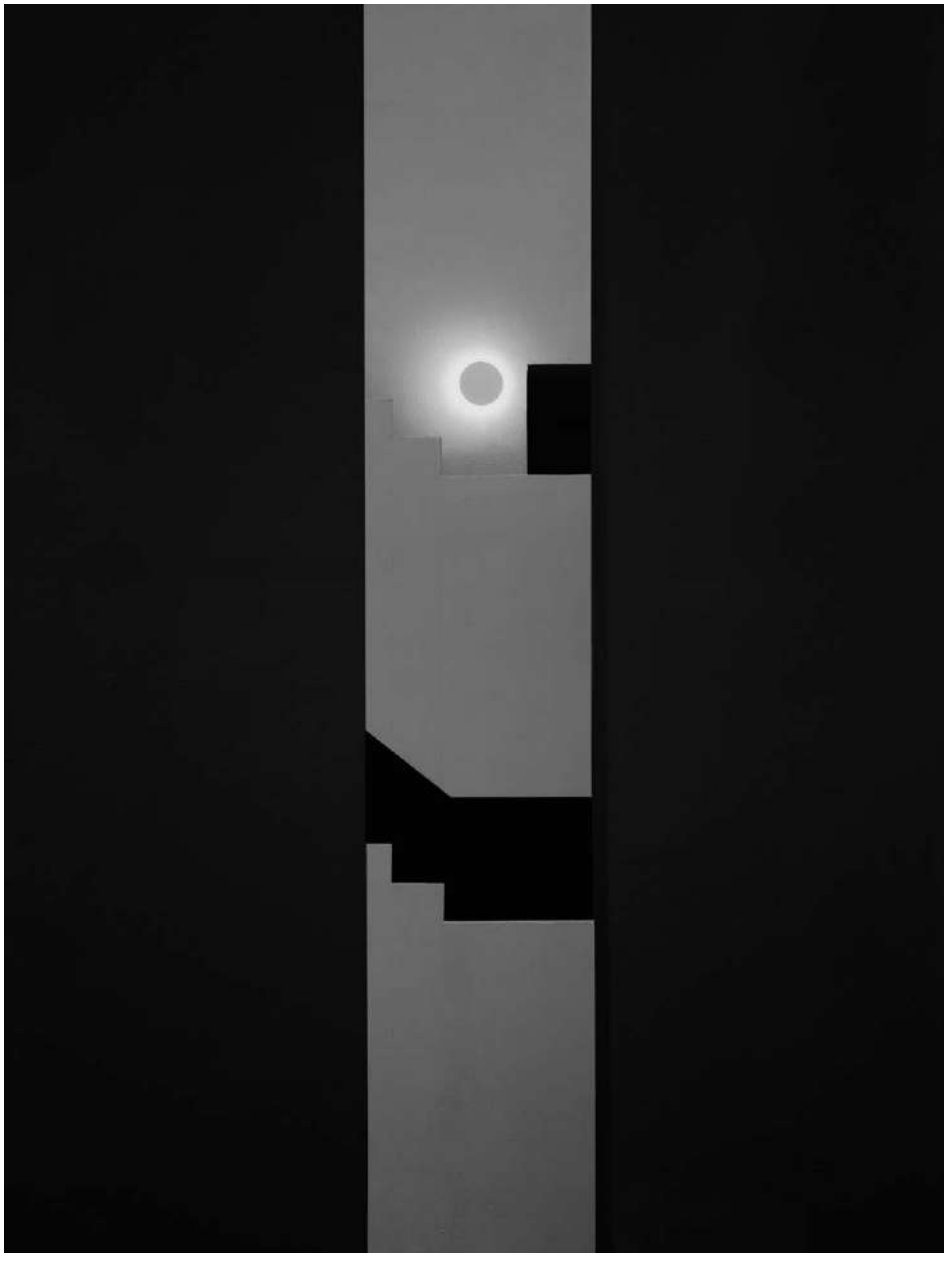
Camouflage

Designed by Piero Lissoni









Camouflage

Famiglia / Family

Camouflage 140



Mid - Power Led
8W
474 lm - 2700K/CRI 80
551 lm - 3000K/CRI 80
579 lm - 4000K/CRI 80

Camouflage 240



Mid - Power Led
12W
773 lm - 2700K/CRI 80
898 lm - 3000K/CRI 80
944 lm - 4000K/CRI 80

Colori / Colours

00 Primer

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Camouflage Stone



87 Basaltina Stone



89 Concrete



90 Crema d'Orcia Stone

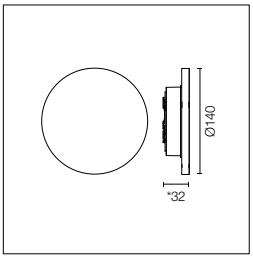
Descrizione / Description

Collezione di prodotti da esterno, per installazione a parete con fonte di luce a LED.
Corpo dissipante in alluminio con diffusore in policarbonato trasparente.
Le finiture pietra Crema D'Orcia e Basaltina sono realizzate fissando mediante collante ad altissima resistenza una placca di pietra creata attraverso processo di lavorazione meccanica dal pieno.
La finitura calcestruzzo è realizzata fissando mediante collante monocomponente ad altissima resistenza una placca realizzata in cemento colato rinforzato con fibra di vetro. La versione Primer va verniciata dopo l'installazione con normali colorazioni a base acquosa (tempere, stucchi, vernici ad acqua) per garantire la massima omogeneità con l'architettura. Le versioni in alluminio sono finite con un rivestimento ad alta resistenza: dopo un trattamento di sabbiatura di tutti componenti per rendere la superficie porosa e garantire una maggiore adesione della vernice, è applicato il rivestimento esterno con un doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici.
Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata, e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Previa valutazione commerciale e tecnica, è possibile realizzare versioni personalizzate con altri materiali a richiesta.

Collection of products for outdoor use, for wall installation with LED light source
Dissipating aluminum body with diffuser in transparent polycarbonate.
The Crema d'Orcia and Basaltina stone finishes are made by fastening high-strength, high-resistance adhesive to a stone plate created by means of mechanical machining from a solid block.
The concrete finishing is made by fastening a poured cement plate reinforced with fiberglass using a single component high strength, high-resistance adhesive. The Primer version is painted after installation with normal water-based colors (tempera, stucco, water-based paints) to ensure maximum uniformity with the architecture.
The aluminum versions are finished with a high-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Upon commercial and technical evaluation, it is possible to create customized versions with other materials on request.

Camouflage 140





*Concrete, crema d'orcia, basaltina H = 35 mm.

IK 10 · IP 65 · max 0,45 Kg · LED INCL

Alimentazione elettrica remota da 24V da ordinare separatamente. Include cavo di alimentazione di 100 mm. L'alimentatore può essere installato remoto (cassaforma non necessaria) o alloggiato posteriormente all'apparecchio mediante apposita cassaforma opzionale.

24V remote power supply to be ordered separately. Includes power cable of 100 mm. The power supply can be installed remotely (installation box not required) or housed at the back of the luminaire in the optional installation box.

Mid-Power Led: 8W - 786 lm ≠ FIXT 474 lm - 2700K/CRI 80 - 24V / 8W - 913 lm ≠ FIXT 551 lm - 3000K/CRI 80 - 24V / 8W - 960 lm ≠ FIXT 579 lm - 4000K/CRI 80 - 24V

2700K

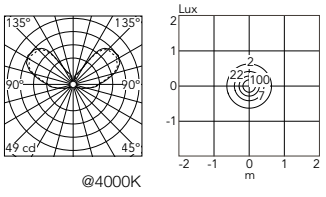
- F1310000
- F1310001
- F1310006
- F1310012
- F1310018
- F1310030
- F1310033
- F1310087
- F1310089
- F1310090

3000K

- F1311000
- F1311001
- F1311006
- F1311012
- F1311018
- F1311030
- F1311033
- F1311087
- F1311089
- F1311090

4000K

- F1312000
- F1312001
- F1312006
- F1312012
- F1312018
- F1312030
- F1312033
- F1312087
- F1312089
- F1312090

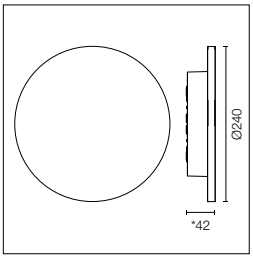


@4000K

Dimmable 1-10V with code RF25750
Dimmable Dali with code RF26387.A

Camouflage 240





*Concrete, crema d'orcia, basaltina H = 48 mm.

IK 08 · IP 65 · max 1,50 Kg · LED INCL

Alimentazione elettrica 220/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 1000 mm.
Versione 110V disponibile a richiesta.

Integrated 220/240V power supply. Supplied with a 1000 mm lenght outgoing neoprene cable.
Version 110V upon request.

Mid-Power Led: 12W - 1281 lm ≠ FIXT 773 lm - 2700K/CRI 80 - 220-240V / 12W - 1488 lm ≠ FIXT 898 lm - 3000K/CRI 80 - 220-240V / 12W - 1563 lm ≠ FIXT 944 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- F1315000
- F1315001
- F1315006
- F1315012
- F1315018
- F1315030
- F1315033
- F1315087
- F1315089
- F1315090

1-10V
- F1315000-310
- F1315001-310
- F1315006-310
- F1315012-310
- F1315018-310
- F1315030-310
- F1315033-310
- F1315087-310
- F1315089-310
- F1315090-310

Dali
- F1315000-300
- F1315001-300
- F1315006-300
- F1315012-300
- F1315018-300
- F1315030-300
- F1315033-300
- F1315087-300
- F1315089-300
- F1315090-300

3000K

Non Dimmable
- F1316000
- F1316001
- F1316006
- F1316012
- F1316018
- F1316030
- F1316033
- F1316087
- F1316089
- F1316090

1-10V
- F1316000-310
- F1316001-310
- F1316006-310
- F1316012-310
- F1316018-310
- F1316030-310
- F1316033-310
- F1316087-310
- F1316089-310
- F1316090-310

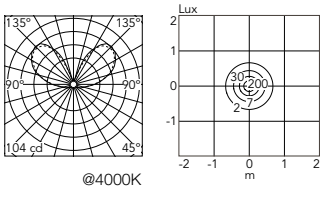
Dali
- F1316000-300
- F1316001-300
- F1316006-300
- F1316012-300
- F1316018-300
- F1316030-300
- F1316033-300
- F1316087-300
- F1316089-300
- F1316090-300

4000K

Non Dimmable
- F1317000
- F1317001
- F1317006
- F1317012
- F1317018
- F1317030
- F1317033
- F1317087
- F1317089
- F1317090

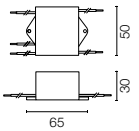
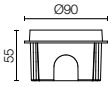
1-10V
- F1317000-310
- F1317001-310
- F1317006-310
- F1317012-310
- F1317018-310
- F1317030-310
- F1317033-310
- F1317087-310
- F1317089-310
- F1317090-310

Dali
- F1317000-300
- F1317001-300
- F1317006-300
- F1317012-300
- F1317018-300
- F1317030-300
- F1317033-300
- F1317087-300
- F1317089-300
- F1317090-300



@4000K

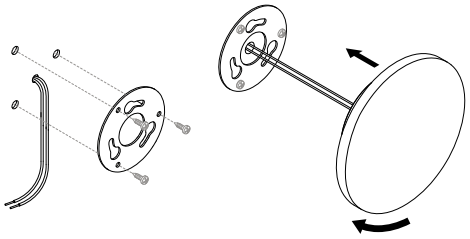
Camouflage 140: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		
Cassaforma.	Box for installation.	F1318000		

Fissaggio a Parete / Installation on Wall

Option 1

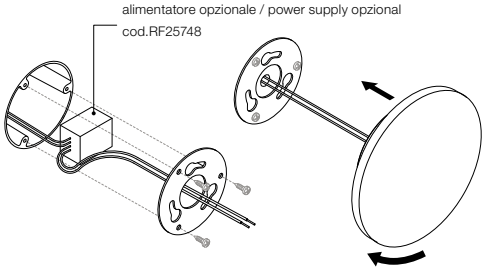
Senza cassaforma / Surface installation



alimentatore remoto 24Vdc
remote power supply 24Vdc

Option 2

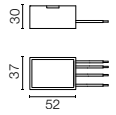
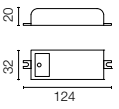
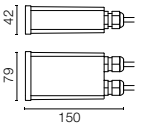
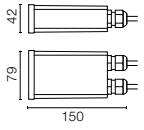
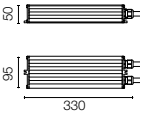
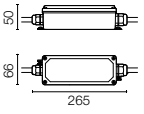
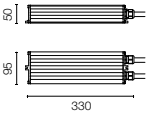
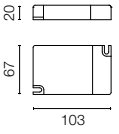
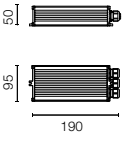
Con cassaforma / Recessed box installation



cassaforma a filo parete
flush with the installation surface

cassaforma / instllation box
cod.F1318000

Camouflage: Driver / Drivers

Alimentatore per installazione remota 24Vdc 8W / 110-240V IP65 Classe II selv. Può essere alloggiato nella cassaforma F1318000.	Power supply for remote installation 24Vdc 8W / 110-240V IP65 Class II selv. It can be housed in installation box F1318000.	*RF25748		
Alimentatore per installazione remota 24Vdc 10W / 110-240V IP20 Classe II selv.	Power supply for remote installation 24Vdc 10W / 110-240V IP20 Class II selv.	*RF25747		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	*F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable 1-10V		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI		

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25748	1	Acc. F990B28A000	5
Acc. RF25747	1	Acc. F990B27A000	7
Acc. RF25757	1	Acc. F990B29A000	9
Acc. RF25752	2	Acc. RF25750	2
Acc. F990B23AZ00	3	Acc. RF26387.A	2

Climber

Designed by Piero Lissoni







Climber

Famiglia / Family

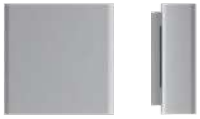
Climber 87



Down
Power Led
7W
387 lm - 2700K/CRI 80
419 lm - 3000K/CRI 80
451 lm - 4000K/CRI 80
2200K available on request.

Up&Down
Power Led
12W
2x387 lm - 2700K/CRI 80
2x419 lm - 3000K/CRI 80
2x451 lm - 4000K/CRI 80
2200K available on request.

Climber 175



Down
Power Led
12W
721 lm - 2700K/CRI 80
781 lm - 3000K/CRI 80
841 lm - 4000K/CRI 80
2200K available on request.

Up&Down
Power Led
21W
2x721 lm - 2700K/CRI 80
2x781 lm - 3000K/CRI 80
2x841 lm - 4000K/CRI 80
2200K available on request.

Climber 275



Down
Power Led
21W
1240 lm - 2700K/CRI 80
1344 lm - 3000K/CRI 80
1447 lm - 4000K/CRI 80
2200K available on request.

Up&Down
Power Led
40W
2x1240 lm - 2700K/CRI 80
2x1344 lm - 3000K/CRI 80
2x1447 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

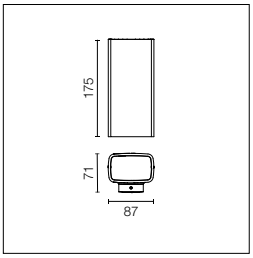
Descrizione / Description

Apparecchio da esterni per installazione a parete con fonte di luce a LED.
Versioni bi-emissione e mono emissione verso il basso.
Corpo in alluminio pressofuso EN AB-47100, a basso contenuto di rame, con alloggiamento ottiche asimmetrico: l'ottica nella parte inferiore è arretrata e protetta da uno scuretto per limitare l'abbagliamento molesto e massimizzare il confort visivo. Nella versione bi-emissione, il vetro di chiusura dell'ottica superiore è a filo con il bordo lampada per evitare depositi d'acqua.
I diffusori in vetro microtesturizzato sono incollati per garantire l'impermeabilità, e testurizzati per assicurare l'uniformità del fascio luminoso generato da ogni singolo LED, mantenendo un'ottima efficienza luminosa.
Rivestimento ad alta resistenza: dopo un trattamento di sabbiatura di tutti componenti per rendere la superficie porosa e garantire una maggiore adesione della vernice, è applicato il rivestimento esterno con un doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici.
Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.

Luminaire for outdoor use for installation on the wall with LED light supply.
Bi-emission and mono-emission versions pointing downwards.
Aluminum die-cast body EN AB-47100, low copper content with asymmetrical optics housing: the optics in the lower part is retracted and protected by a shutter to restrict annoying glare and maximize visual comfort. In the bi-emission version, the glass of the closure of the upper optics is flush with the edge of the light in order to prevent water deposits.
The micro-texturized glass diffusers are glued to ensure water resistance and textured to ensure a uniform light beam generated by each single LED, maintaining excellent luminous efficiency.
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.

Climber 87 Down





IP 65 · IK 06 · 1,17 Kg · LED INCL

Alimentazione elettrica 110/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.
A richiesta versione mono emissione verso l'alto/ UP.

2200K disponibile su richiesta.

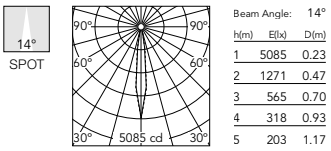
Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable. Upwards, single emission version, available upon request.

2200K available on request.

Power Led: 7W - 432 lm ≠ *FIXT 387 lm - 2700K/CRI 80 - 110-240V / 7W - 468 lm ≠ *FIXT 419 lm - 3000K/CRI 80 - 110-240V / 7W - 504 lm ≠ *FIXT 451 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

Optic Spot

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F1110001.A	F1112001.A	F1114001.A
F1110006.A	F1112006.A	F1114006.A
F1110012.A	F1112012.A	F1114012.A
F1110018.A	F1112018.A	F1114018.A
F1110030.A	F1112030.A	F1114030.A
F1110033.A	F1112033.A	F1114033.A
1-10V	1-10V	1-10V
F1110001-310.A	F1112001-310.A	F1114001-310.A
F1110006-310.A	F1112006-310.A	F1114006-310.A
F1110012-310.A	F1112012-310.A	F1114012-310.A
F1110018-310.A	F1112018-310.A	F1114018-310.A
F1110030-310.A	F1112030-310.A	F1114030-310.A
F1110033-310.A	F1112033-310.A	F1114033-310.A
Dali	Dali	Dali
F1110001-300.A	F1112001-300.A	F1114001-300.A
F1110006-300.A	F1112006-300.A	F1114006-300.A
F1110012-300.A	F1112012-300.A	F1114012-300.A
F1110018-300.A	F1112018-300.A	F1114018-300.A
F1110030-300.A	F1112030-300.A	F1114030-300.A
F1110033-300.A	F1112033-300.A	F1114033-300.A

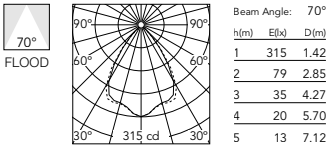


@4000K

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	5085	0.23
2	1271	0.47
3	565	0.70
4	318	0.93
5	203	1.17

Optic Flood

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F1111001.A	F1113001.A	F1115001.A
F1111006.A	F1113006.A	F1115006.A
F1111012.A	F1113012.A	F1115012.A
F1111018.A	F1113018.A	F1115018.A
F1111030.A	F1113030.A	F1115030.A
F1111033.A	F1113033.A	F1115033.A
1-10V	1-10V	1-10V
F1111001-310.A	F1113001-310.A	F1115001-310.A
F1111006-310.A	F1113006-310.A	F1115006-310.A
F1111012-310.A	F1113012-310.A	F1115012-310.A
F1111018-310.A	F1113018-310.A	F1115018-310.A
F1111030-310.A	F1113030-310.A	F1115030-310.A
F1111033-310.A	F1113033-310.A	F1115033-310.A
Dali	Dali	Dali
F1111001-300.A	F1113001-300.A	F1115001-300.A
F1111006-300.A	F1113006-300.A	F1115006-300.A
F1111012-300.A	F1113012-300.A	F1115012-300.A
F1111018-300.A	F1113018-300.A	F1115018-300.A
F1111030-300.A	F1113030-300.A	F1115030-300.A
F1111033-300.A	F1113033-300.A	F1115033-300.A

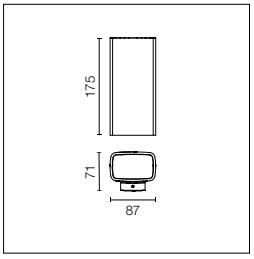


@4000K

Beam Angle:	70°
h(m)	E(lx)	D(m)
1	315	1.42
2	79	2.85
3	35	4.27
4	20	5.70
5	13	7.12

Climber 87 Up&Down





IP 65 · IK 06 · 1,25 Kg · LED INCL

Alimentazione elettrica 110/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.

2200K disponibile su richiesta.

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Power Led: 12W - 2x432 lm ≠ *FIXT 2x392 lm - 2700K/CRI 80 - 110-240V / 12W - 2x468 lm ≠ *FIXT 2x425 lm - 3000K/CRI 80 - 110-240V / 12W - 2x504 lm ≠ *FIXT 2x458 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F1116001.A
- F1116006.A
- F1116012.A
- F1116018.A
- F1116030.A
- F1116033.A

1-10V
- F1116001-310.A
- F1116006-310.A
- F1116012-310.A
- F1116018-310.A
- F1116030-310.A
- F1116033-310.A

Dali
- F1116001-300.A
- F1116006-300.A
- F1116012-300.A
- F1116018-300.A
- F1116030-300.A
- F1116033-300.A

3000K

Non Dimmable
- F1118001.A
- F1118006.A
- F1118012.A
- F1118018.A
- F1118030.A
- F1118033.A

1-10V
- F1118001-310.A
- F1118006-310.A
- F1118012-310.A
- F1118018-310.A
- F1118030-310.A
- F1118033-310.A

Dali
- F1118001-300.A
- F1118006-300.A
- F1118012-300.A
- F1118018-300.A
- F1118030-300.A
- F1118033-300.A

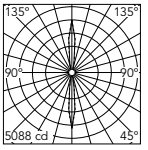
4000K

Non Dimmable
- F1120001.A
- F1120006.A
- F1120012.A
- F1120018.A
- F1120030.A
- F1120033.A

1-10V
- F1120001-310.A
- F1120006-310.A
- F1120012-310.A
- F1120018-310.A
- F1120030-310.A
- F1120033-310.A

Dali
- F1120001-300.A
- F1120006-300.A
- F1120012-300.A
- F1120018-300.A
- F1120030-300.A
- F1120033-300.A

14° SPOT



@4000K

Beam Angle DIR:	14°	
h(m)	E(lx)	D(m)
1	5088	0.23
2	1272	0.47
3	565	0.70
4	318	0.93
5	204	1.17

Optic Flood

2700K

Non Dimmable
- F1117001.A
- F1117006.A
- F1117012.A
- F1117018.A
- F1117030.A
- F1117033.A

1-10V
- F1117001-310.A
- F1117006-310.A
- F1117012-310.A
- F1117018-310.A
- F1117030-310.A
- F1117033-310.A

Dali
- F1117001-300.A
- F1117006-300.A
- F1117012-300.A
- F1117018-300.A
- F1117030-300.A
- F1117033-300.A

3000K

Non Dimmable
- F1119001.A
- F1119006.A
- F1119012.A
- F1119018.A
- F1119030.A
- F1119033.A

1-10V
- F1119001-310.A
- F1119006-310.A
- F1119012-310.A
- F1119018-310.A
- F1119030-310.A
- F1119033-310.A

Dali
- F1119001-300.A
- F1119006-300.A
- F1119012-300.A
- F1119018-300.A
- F1119030-300.A
- F1119033-300.A

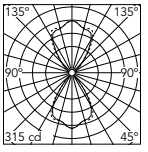
4000K

Non Dimmable
- F1121001.A
- F1121006.A
- F1121012.A
- F1121018.A
- F1121030.A
- F1121033.A

1-10V
- F1121001-310.A
- F1121006-310.A
- F1121012-310.A
- F1121018-310.A
- F1121030-310.A
- F1121033-310.A

Dali
- F1121001-300.A
- F1121006-300.A
- F1121012-300.A
- F1121018-300.A
- F1121030-300.A
- F1121033-300.A

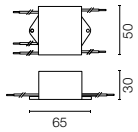
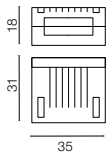
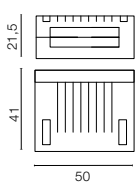
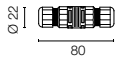
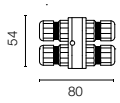
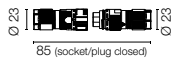
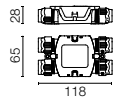
70° FLOOD



@4000K

Beam Angle DIR:	70°	
h(m)	E(lx)	D(m)
1	315	1.42
2	79	2.85
3	35	4.27
4	20	5.70
5	13	7.12

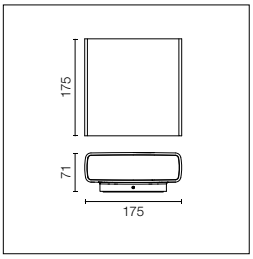
Climber 87: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C100000		
Gelbox IPX8 per connessione elettrica.	Gelbox IPX8 for splicing connectors.	F990C110000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000		
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000		



Climber 175 Down





IP 65 · IK 04 · 2,13 Kg · LED INCL

Alimentazione elettrica 110/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.
A richiesta versione mono emissione verso l'alto/ UP.

2200K disponibile su richiesta.

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.
Upwards, single emission version, available upon request.

2200K available on request.

Power Led: 12W - 864 lm ≠ *FIXT 721 lm - 2700K/CRI 80 - 110-240V / 12W - 936 lm ≠ *FIXT 781 lm - 3000K/CRI 80 - 110-240V / 12W - 1008 lm ≠ *FIXT 841 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F1140001
- F1140006
- F1140012
- F1140018
- F1140030
- F1140033

1-10V
- F1140001-310.A
- F1140006-310.A
- F1140012-310.A
- F1140018-310.A
- F1140030-310.A
- F1140033-310.A

Dali
- F1140001-300.B
- F1140006-300.B
- F1140012-300.B
- F1140018-300.B
- F1140030-300.B
- F1140033-300.B

3000K

Non Dimmable
- F1142001
- F1142006
- F1142012
- F1142018
- F1142030
- F1142033

1-10V
- F1142001-310.A
- F1142006-310.A
- F1142012-310.A
- F1142018-310.A
- F1142030-310.A
- F1142033-310.A

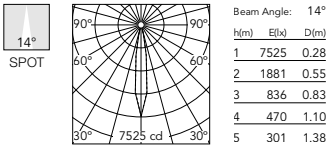
Dali
- F1142001-300.B
- F1142006-300.B
- F1142012-300.B
- F1142018-300.B
- F1142030-300.B
- F1142033-300.B

4000K

Non Dimmable
- F1144001
- F1144006
- F1144012
- F1144018
- F1144030
- F1144033

1-10V
- F1144001-310.A
- F1144006-310.A
- F1144012-310.A
- F1144018-310.A
- F1144030-310.A
- F1144033-310.A

Dali
- F1144001-300.B
- F1144006-300.B
- F1144012-300.B
- F1144018-300.B
- F1144030-300.B
- F1144033-300.B



@4000K

Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	7525	0.28
2	1881	0.55
3	836	0.83
4	470	1.10
5	301	1.38

Optic Flood

2700K

Non Dimmable
- F1141001
- F1141006
- F1141012
- F1141018
- F1141030
- F1141033

1-10V
- F1141001-310.A
- F1141006-310.A
- F1141012-310.A
- F1141018-310.A
- F1141030-310.A
- F1141033-310.A

Dali
- F1141001-300.B
- F1141006-300.B
- F1141012-300.B
- F1141018-300.B
- F1141030-300.B
- F1141033-300.B

3000K

Non Dimmable
- F1143001
- F1143006
- F1143012
- F1143018
- F1143030
- F1143033

1-10V
- F1143001-310.A
- F1143006-310.A
- F1143012-310.A
- F1143018-310.A
- F1143030-310.A
- F1143033-310.A

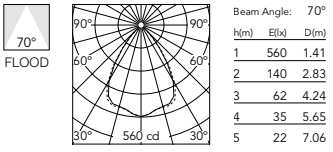
Dali
- F1143001-300.B
- F1143006-300.B
- F1143012-300.B
- F1143018-300.B
- F1143030-300.B
- F1143033-300.B

4000K

Non Dimmable
- F1145001
- F1145006
- F1145012
- F1145018
- F1145030
- F1145033

1-10V
- F1145001-310
- F1145006-310
- F1145012-310
- F1145018-310
- F1145030-310
- F1145033-310

Dali
- F1145001-300.A
- F1145006-300.A
- F1145012-300.A
- F1145018-300.A
- F1145030-300.A
- F1145033-300.A

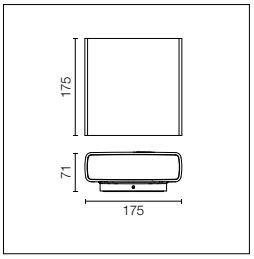


@4000K

Beam Angle:	70°	
h(m)	E(lx)	D(m)
1	560	1.41
2	140	2.83
3	62	4.24
4	35	5.65
5	22	7.06

Climber 175 Up&Down





IK 04 | IP 65 | 2,20 Kg | LED INCL

Alimentazione elettrica 220/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.

2200K disponibile su richiesta.

Integrated 220/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Power Led: 21W - 2x864 lm ≠ *FIXT 2x739 lm - 2700K/CRI 80 - 220-240V / 21W - 2x936 lm ≠ *FIXT 2x800 lm - 3000K/CRI 80 - 220-240V / 21W - 2x1008 lm ≠ *FIXT 2x862 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F1146001
- F1146006
- F1146012
- F1146018
- F1146030
- F1146033

1-10V
- F1146001-310.A
- F1146006-310.A
- F1146012-310.A
- F1146018-310.A
- F1146030-310.A
- F1146033-310.A

Dali
- F1146001-300.B
- F1146006-300.B
- F1146012-300.B
- F1146018-300.B
- F1146030-300.B
- F1146033-300.B

3000K

Non Dimmable
- F1148001
- F1148006
- F1148012
- F1148018
- F1148030
- F1148033

1-10V
- F1148001-310.A
- F1148006-310.A
- F1148012-310.A
- F1148018-310.A
- F1148030-310.A
- F1148033-310.A

Dali
- F1148001-300.B
- F1148006-300.B
- F1148012-300.B
- F1148018-300.B
- F1148030-300.B
- F1148033-300.B

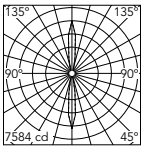
4000K

Non Dimmable
- F1150001
- F1150006
- F1150012
- F1150018
- F1150030
- F1150033

1-10V
- F1150001-310.A
- F1150006-310.A
- F1150012-310.A
- F1150018-310.A
- F1150030-310.A
- F1150033-310.A

Dali
- F1150001-300.B
- F1150006-300.B
- F1150012-300.B
- F1150018-300.B
- F1150030-300.B
- F1150033-300.B

14° SPOT



@4000K

Beam Angle DIR: 14°

h(m)	E(lx)	D(m)
1	7584	0.28
2	1896	0.55
3	843	0.83
4	474	1.10
5	303	1.38

Optic Flood

2700K

Non Dimmable
- F1147001
- F1147006
- F1147012
- F1147018
- F1147030
- F1147033

1-10V
- F1147001-310.A
- F1147006-310.A
- F1147012-310.A
- F1147018-310.A
- F1147030-310.A
- F1147033-310.A

Dali
- F1147001-300.B
- F1147006-300.B
- F1147012-300.B
- F1147018-300.B
- F1147030-300.B
- F1147033-300.B

3000K

Non Dimmable
- F1149001
- F1149006
- F1149012
- F1149018
- F1149030
- F1149033

1-10V
- F1149001-310.A
- F1149006-310.A
- F1149012-310.A
- F1149018-310.A
- F1149030-310.A
- F1149033-310.A

Dali
- F1149001-300.B
- F1149006-300.B
- F1149012-300.B
- F1149018-300.B
- F1149030-300.B
- F1149033-300.B

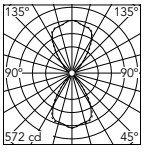
4000K

Non Dimmable
- F1151001
- F1151006
- F1151012
- F1151018
- F1151030
- F1151033

1-10V
- F1151001-310.A
- F1151006-310.A
- F1151012-310.A
- F1151018-310.A
- F1151030-310.A
- F1151033-310.A

Dali
- F1151001-300.B
- F1151006-300.B
- F1151012-300.B
- F1151018-300.B
- F1151030-300.B
- F1151033-300.B

70° FLOOD



@4000K

Beam Angle DIR: 70°

h(m)	E(lx)	D(m)
1	572	1.41
2	143	2.82
3	64	4.23
4	36	5.64
5	23	7.06

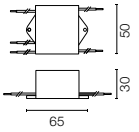
Climber 175: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

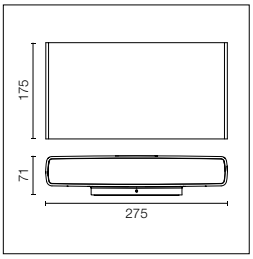
F990E00A000





Climber 275 Down





IP 65 · IK 05 · 3,11 Kg · LED INCL

Alimentazione elettrica 110/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.
A richiesta versione mono emissione verso l'alto/ UP.

2200K disponibile su richiesta.

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.
Upwards, single emission version, available upon request.

2200K available on request.

Power Led: 21W - 1728 lm ≠ *FIXT 1240 lm - 2700K/CRI 80 - 220-240V / 21W - 1872 lm ≠ *FIXT 1344 lm - 3000K/CRI 80 - 220-240V / 21W - 2016 lm ≠ *FIXT 1447 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F1170001
- F1170006
- F1170012
- F1170018
- F1170030
- F1170033

1-10V
- F1170001-310.A
- F1170006-310.A
- F1170012-310.A
- F1170018-310.A
- F1170030-310.A
- F1170033-310.A

Dali
- F1170001-300.A
- F1170006-300.A
- F1170012-300.A
- F1170018-300.A
- F1170030-300.A
- F1170033-300.A

3000K

Non Dimmable
- F1172001
- F1172006
- F1172012
- F1172018
- F1172030
- F1172033

1-10V
- F1172001-310.A
- F1172006-310.A
- F1172012-310.A
- F1172018-310.A
- F1172030-310.A
- F1172033-310.A

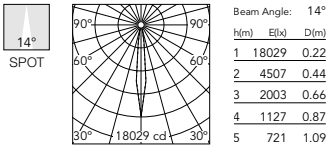
Dali
- F1172001-300.A
- F1172006-300.A
- F1172012-300.A
- F1172018-300.A
- F1172030-300.A
- F1172033-300.A

4000K

Non Dimmable
- F1174001
- F1174006
- F1174012
- F1174018
- F1174030
- F1174033

1-10V
- F1174001-310.A
- F1174006-310.A
- F1174012-310.A
- F1174018-310.A
- F1174030-310.A
- F1174033-310.A

Dali
- F1174001-300.A
- F1174006-300.A
- F1174012-300.A
- F1174018-300.A
- F1174030-300.A
- F1174033-300.A



Beam Angle:	14°	
h(m)	E(lx)	D(m)
1	18029	0.22
2	4507	0.44
3	2003	0.66
4	1127	0.87
5	721	1.09

@4000K

Optic Flood

2700K

Non Dimmable
- F1171001
- F1171006
- F1171012
- F1171018
- F1171030
- F1171033

1-10V
- F1171001-310.A
- F1171006-310.A
- F1171012-310.A
- F1171018-310.A
- F1171030-310.A
- F1171033-310.A

Dali
- F1171001-300.A
- F1171006-300.A
- F1171012-300.A
- F1171018-300.A
- F1171030-300.A
- F1171033-300.A

3000K

Non Dimmable
- F1173001
- F1173006
- F1173012
- F1173018
- F1173030
- F1173033

1-10V
- F1173001-310.A
- F1173006-310.A
- F1173012-310.A
- F1173018-310.A
- F1173030-310.A
- F1173033-310.A

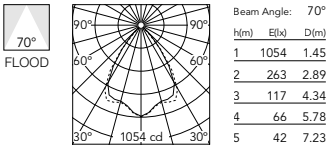
Dali
- F1173001-300.A
- F1173006-300.A
- F1173012-300.A
- F1173018-300.A
- F1173030-300.A
- F1173033-300.A

4000K

Non Dimmable
- F1175001
- F1175006
- F1175012
- F1175018
- F1175030
- F1175033

1-10V
- F1175001-310.A
- F1175006-310.A
- F1175012-310.A
- F1175018-310.A
- F1175030-310.A
- F1175033-310.A

Dali
- F1175001-300.A
- F1175006-300.A
- F1175012-300.A
- F1175018-300.A
- F1175030-300.A
- F1175033-300.A

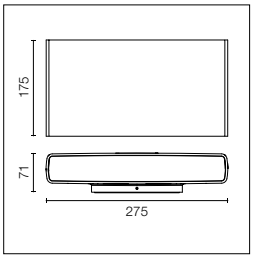


Beam Angle:	70°	
h(m)	E(lx)	D(m)
1	1054	1.45
2	263	2.89
3	117	4.34
4	66	5.78
5	42	7.23

@4000K

Climber 275 Up&Down





IP 65 · 3,25 Kg · IK 05 · LED INCL

Alimentazione elettrica 220/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 80 mm.

2200K disponibile su richiesta.

Integrated 220/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Power Led: 40W - 2x1728 lm ≠ *FIXT 2x1264 lm - 2700K/CRI 80 - 220-240V / 40W - 2x1872 lm ≠ *FIXT 2x1370 lm - 3000K/CRI 80 - 220-240V / 40W - 2x2016 lm ≠ *FIXT 2x1475 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F1176001
- F1176006
- F1176012
- F1176018
- F1176030
- F1176033

1-10V
- F1176001-310.A
- F1176006-310.A
- F1176012-310.A
- F1176018-310.A
- F1176030-310.A
- F1176033-310.A

Dali
- F1176001-300.A
- F1176006-300.A
- F1176012-300.A
- F1176018-300.A
- F1176030-300.A
- F1176033-300.A

3000K

Non Dimmable
- F1178001
- F1178006
- F1178012
- F1178018
- F1178030
- F1178033

1-10V
- F1178001-310.A
- F1178006-310.A
- F1178012-310.A
- F1178018-310.A
- F1178030-310.A
- F1178033-310.A

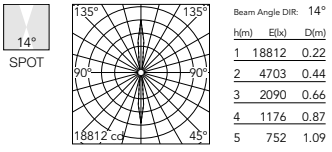
Dali
- F1178001-300.A
- F1178006-300.A
- F1178012-300.A
- F1178018-300.A
- F1178030-300.A
- F1178033-300.A

4000K

Non Dimmable
- F1180001
- F1180006
- F1180012
- F1180018
- F1180030
- F1180033

1-10V
- F1180001-310.A
- F1180006-310.A
- F1180012-310.A
- F1180018-310.A
- F1180030-310.A
- F1180033-310.A

Dali
- F1180001-300.A
- F1180006-300.A
- F1180012-300.A
- F1180018-300.A
- F1180030-300.A
- F1180033-300.A



Beam Angle DIR: 14°

h(m)	E(lx)	D(m)
1	18812	0.22
2	4703	0.44
3	2090	0.66
4	1176	0.87
5	752	1.09

@4000K

Optic Flood

2700K

Non Dimmable
- F1177001
- F1177006
- F1177012
- F1177018
- F1177030
- F1177033

1-10V
- F1177001-310.A
- F1177006-310.A
- F1177012-310.A
- F1177018-310.A
- F1177030-310.A
- F1177033-310.A

Dali
- F1177001-300.A
- F1177006-300.A
- F1177012-300.A
- F1177018-300.A
- F1177030-300.A
- F1177033-300.A

3000K

Non Dimmable
- F1179001
- F1179006
- F1179012
- F1179018
- F1179030
- F1179033

1-10V
- F1179001-310.A
- F1179006-310.A
- F1179012-310.A
- F1179018-310.A
- F1179030-310.A
- F1179033-310.A

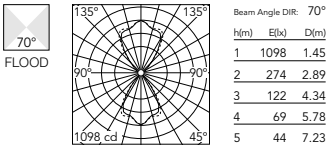
Dali
- F1179001-300.A
- F1179006-300.A
- F1179012-300.A
- F1179018-300.A
- F1179030-300.A
- F1179033-300.A

4000K

Non Dimmable
- F1181001
- F1181006
- F1181012
- F1181018
- F1181030
- F1181033

1-10V
- F1181001-310.A
- F1181006-310.A
- F1181012-310.A
- F1181018-310.A
- F1181030-310.A
- F1181033-310.A

Dali
- F1181001-300.A
- F1181006-300.A
- F1181012-300.A
- F1181018-300.A
- F1181030-300.A
- F1181033-300.A



Beam Angle DIR: 70°

h(m)	E(lx)	D(m)
1	1098	1.45
2	274	2.89
3	122	4.34
4	69	5.78
5	44	7.23

@4000K

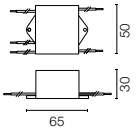
Climber 275: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

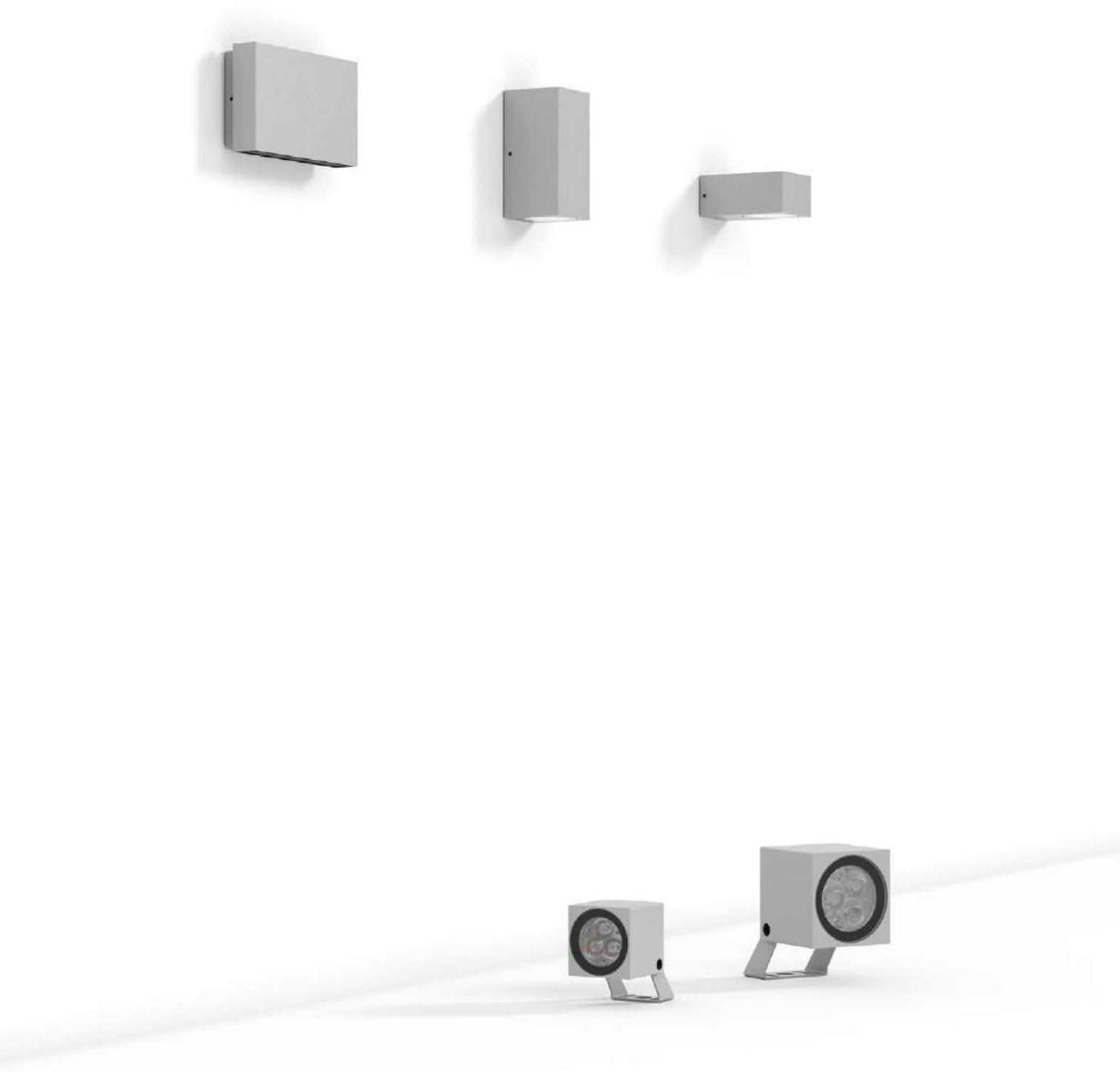
Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

F990E00A000





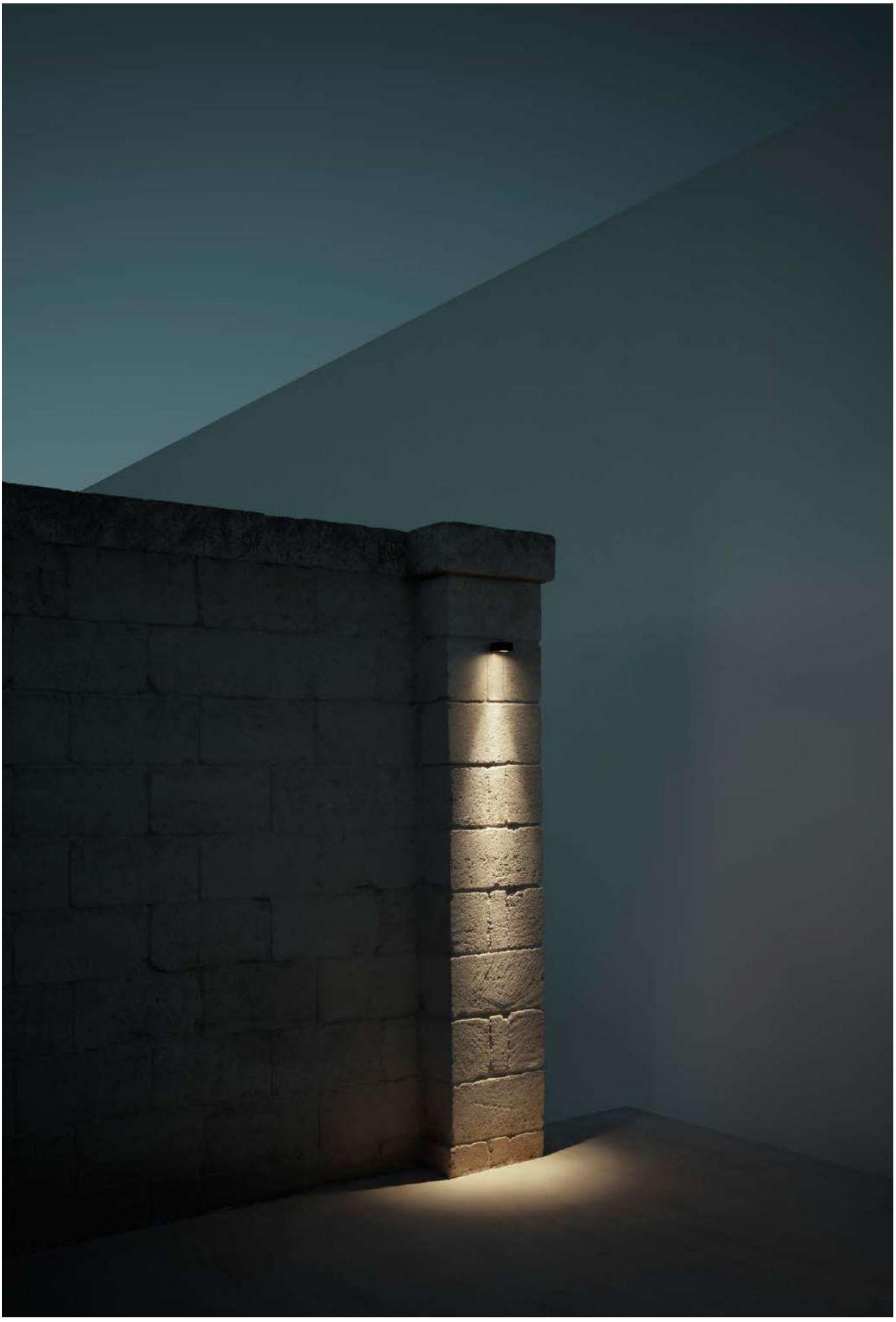
Heavy Metal





Heavy Metal Spot





Heavy Metal Wall 1

Famiglia / Family

Heavy Metal Spot 1



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Heavy Metal Spot 2



Power Led
up to 5,9W
up to 364 lm - 2700K/CRI 80
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Heavy Metal Wall 1



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Heavy Metal Wall 2
Mono / Double



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 6,8W
up to 2x138 lm - 2700K/CRI 80
up to 2x149 lm - 3000K/CRI 80
up to 2x155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 9W
up to 2x246 lm - 2700K/CRI 80
up to 2x267 lm - 3000K/CRI 80
up to 2x277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Heavy Metal Wall 3
Mono / Double



Mid-Power Led
up to 2,5W
up to 125 lm - 2700K/CRI 80
up to 134 lm - 3000K/CRI 80
up to 142 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Mid-Power Led
up to 5W
up to 2x125 lm - 2700K/CRI 80
up to 2x134 lm - 3000K/CRI 80
up to 2x142 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Famiglia completa di apparecchi di illuminazione con sorgente luminosa a LED, in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Heavy Metal Spot
Proiettore ultracompatto orientabile predisposto per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente. Disponibile in due tagli dimensionali (50x50 mm e 70x70 mm) e differenti fasci di apertura per coprire molteplici richieste illuminotecniche. Corpo in alluminio tornito lega EN AW 6060 e staffa di fissaggio in acciaio inox AISI 316L, verniciata coerentemente alla finitura apparecchio per un perfetto abbinamento. La staffa permette una orientabilità di 180° sull'asse verticale e una minima orientabilità di 20° sull'asse orizzontale per direzionare il fascio in base alle esigenze. Diffusore in vetro extrachiaro con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Heavy Metal Wall 1
Apparecchio installabile a parete. Disponibile con emissione luminosa monodirezionale e con differenti fasci di apertura per coprire molteplici richieste illuminotecniche. Corpo in alluminio tornito lega EN AW 6060, piastra di fissaggio a parete in acciaio inox AISI 316L. Diffusore in vetro extra chiaro con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Heavy Metal Wall 2
Apparecchio installabile a parete. Disponibile con emissione luminosa monodirezionale o bidirezionale, con differenti fasci di apertura per coprire molteplici esigenze illuminotecniche. Corpo in alluminio tornito lega EN AW 6060, piastra di fissaggio a parete in acciaio inox AISI 316L. Diffusore in vetro extra chiaro con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Heavy Metal Wall 3
Apparecchio installabile a parete. Disponibile con emissione luminosa monodirezionale o bidirezionale, con fascio di apertura luminoso morbido e diffuso. Corpo in alluminio tornito lega EN AW 6060, piastra di fissaggio a parete in acciaio inox AISI 316L. Diffusore in vetro sabbiato con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente. Per una installazione più agevole è disponibile la cassaforma opzionale (scatola di derivazione 3 moduli modello 503) dove poter anche alloggiare un singolo alimentatore IP 65.

Complete family of luminaries with LED light source, available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The fixing screws are made of AISI 316L stainless steel.

Heavy Metal Spot
Ultra-compact, adjustable projector, designed for ground, wall or ceiling installation, and a post to be ordered separately. Available in two sizes (50x50 mm and 70x70 mm) and with different beam angles to meet different lighting requirements. Turned aluminium structure, EN AW 6060 alloy and AISI 316L stainless steel fixing bracket matching the luminaire finishes for a perfect overall look. The fixing bracket allows an orientation of 180° on the vertical axis and an orientation of less than 20° on the horizontal axis in order to direct the light beam according to requirements. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system 24V dc luminaire powered by a remote power supply to be ordered separately.

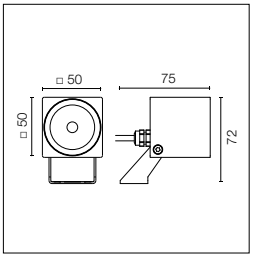
Heavy Metal Wall 1
Wall luminaire. Available with monodirectional or bidirectional light emission and with different beam angles to meet different lighting requirements. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately.

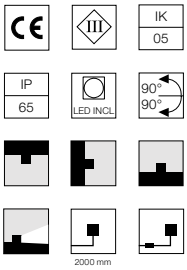
Heavy Metal Wall 2
Wall luminaire. Available with monodirectional or bidirectional light emission and with different beam angles to meet different lighting requirements. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately.

Heavy Metal Wall 3
Wall luminaire. Available with monodirectional or bidirectional light emission and a smooth and diffuse beam angle. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Frosted glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately. For easy installation, a 3 modules junction box (model 503), where a single IP 65 power supply can also be placed, is available as an option.

Heavy Metal Spot 1







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

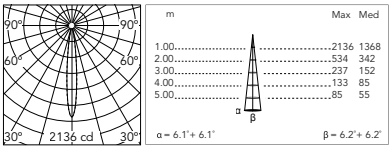
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50900501	○ FA50900301	○ FA50900201
● FA50900506	● FA50900306	● FA50900206
● FA50900512	● FA50900312	● FA50900212
● FA50900518	● FA50900318	● FA50900218
● FA50900530	● FA50900330	● FA50900230
● FA50900533	● FA50900333	● FA50900233

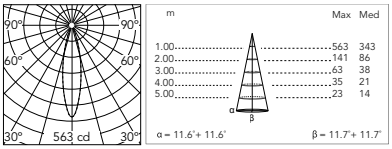


@ 3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50901501	○ FA50901301	○ FA50901201
● FA50901506	● FA50901306	● FA50901206
● FA50901512	● FA50901312	● FA50901212
● FA50901518	● FA50901318	● FA50901218
● FA50901530	● FA50901330	● FA50901230
● FA50901533	● FA50901333	● FA50901233



@ 3000K

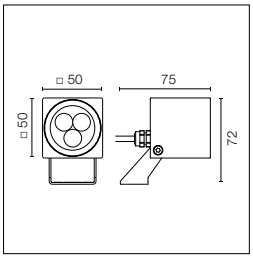
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

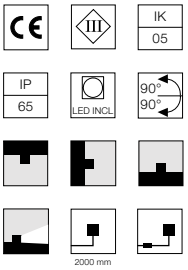
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	3
Acc. RF25748	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17
Acc. RF25757	2		

Heavy Metal HP Spot 1







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

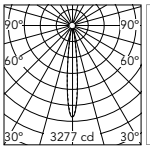
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

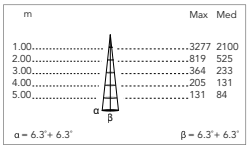
2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50902501	○ FA50902301	○ FA50902201
● FA50902506	● FA50902306	● FA50902206
● FA50902512	● FA50902312	● FA50902212
● FA50902518	● FA50902318	● FA50902218
● FA50902530	● FA50902330	● FA50902230
● FA50902533	● FA50902333	● FA50902233



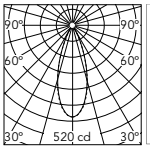


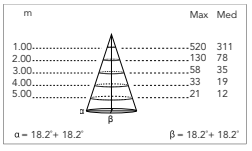
@ 3000K

Optic Medium 30°

Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50903501	○ FA50903301	○ FA50903201
● FA50903506	● FA50903306	● FA50903206
● FA50903512	● FA50903312	● FA50903212
● FA50903518	● FA50903318	● FA50903218
● FA50903530	● FA50903330	● FA50903230
● FA50903533	● FA50903333	● FA50903233





@ 3000K

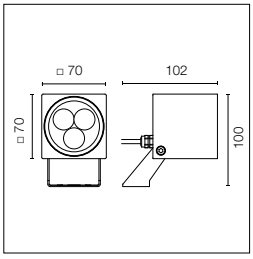
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

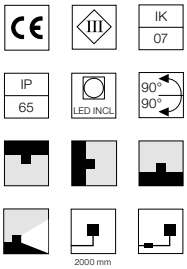
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25757	2
Acc. RF25748	1	Acc. F990B28A000	7
Acc. RF25747	2	Acc. F990B27A000	14

Heavy Metal Spot 2







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

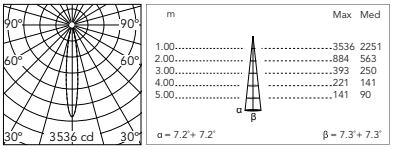
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50904501	○ FA50904301	○ FA50904201
● FA50904506	● FA50904306	● FA50904206
● FA50904512	● FA50904312	● FA50904212
● FA50904518	● FA50904318	● FA50904218
● FA50904530	● FA50904330	● FA50904230
● FA50904533	● FA50904333	● FA50904233

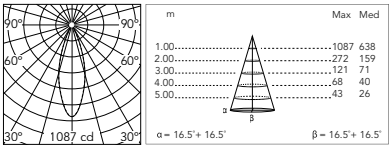


@ 3000K

Optic Medium 30°

Power Led: 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 30 00K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50906501	○ FA50906301	○ FA50906201
● FA50906506	● FA50906306	● FA50906206
● FA50906512	● FA50906312	● FA50906212
● FA50906518	● FA50906318	● FA50906218
● FA50906530	● FA50906330	● FA50906230
● FA50906533	● FA50906333	● FA50906233

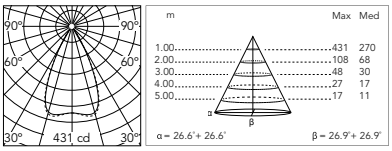


@ 3000K

Optic Flood 50°

Power Led: 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 30 00K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50905501	○ FA50905301	○ FA50905201
● FA50905506	● FA50905306	● FA50905206
● FA50905512	● FA50905312	● FA50905212
● FA50905518	● FA50905318	● FA50905218
● FA50905530	● FA50905330	● FA50905230
● FA50905533	● FA50905333	● FA50905233



@ 3000K

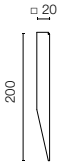
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

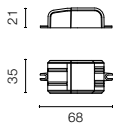
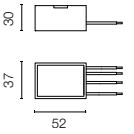
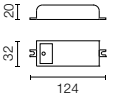
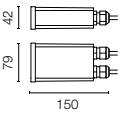
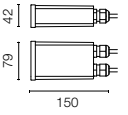
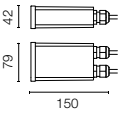
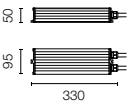
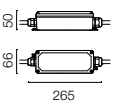
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1	Acc. F990B28A000	6
Acc. RF25757	1	Acc. F990B27A000	12
Acc. RF25752	2		

Heavy Metal Spot: Accessori / Accessories

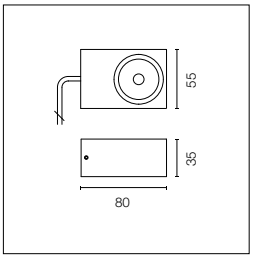
Picchetto per installazione a terra.	Ground spike.	FA136		

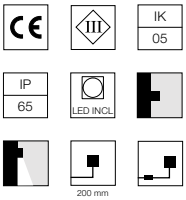
Heavy Metal Spot: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Heavy Metal Wall 1







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

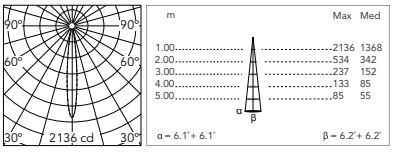
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50800501	○ FA50800301	○ FA50800201
● FA50800506	● FA50800306	● FA50800206
● FA50800512	● FA50800312	● FA50800212
● FA50800518	● FA50800318	● FA50800218
● FA50800530	● FA50800330	● FA50800230
● FA50800533	● FA50800333	● FA50800233

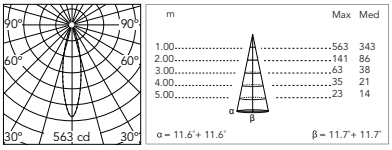


@ 3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50801501	○ FA50801301	○ FA50801201
● FA50801506	● FA50801306	● FA50801206
● FA50801512	● FA50801312	● FA50801212
● FA50801518	● FA50801318	● FA50801218
● FA50801530	● FA50801330	● FA50801230
● FA50801533	● FA50801333	● FA50801233



@ 3000K

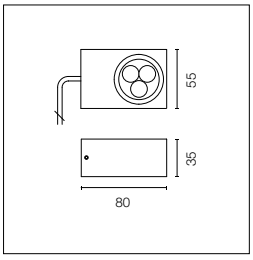
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

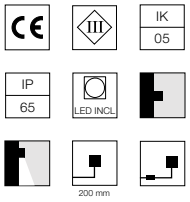
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	3
Acc. RF25748	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17
Acc. RF25757	2		

Heavy Metal HP Wall 1







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

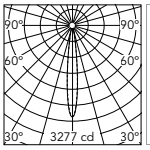
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

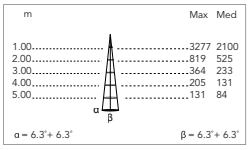
2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50802501	○ FA50802301	○ FA50802201
● FA50802506	● FA50802306	● FA50802206
● FA50802512	● FA50802312	● FA50802212
● FA50802518	● FA50802318	● FA50802218
● FA50802530	● FA50802330	● FA50802230
● FA50802533	● FA50802333	● FA50802233



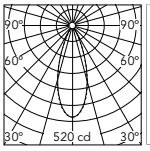


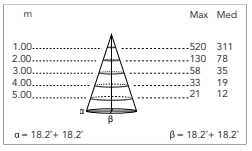
@ 3000K

Optic Medium 30°

Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50803501	○ FA50803301	○ FA50803201
● FA50803506	● FA50803306	● FA50803206
● FA50803512	● FA50803312	● FA50803212
● FA50803518	● FA50803318	● FA50803218
● FA50803530	● FA50803330	● FA50803230
● FA50803533	● FA50803333	● FA50803233



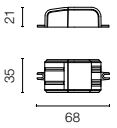
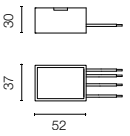
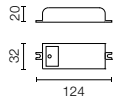
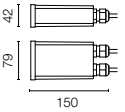
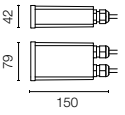
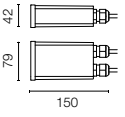
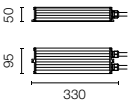
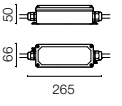


@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

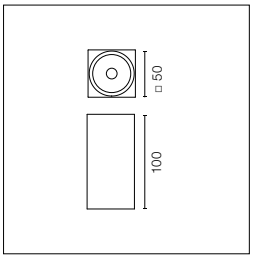
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. RF25754	1	Acc. RF25757	2
		Acc. RF25748	1	Acc. F990B28A000	7
		Acc. RF25747	2	Acc. F990B27A000	14

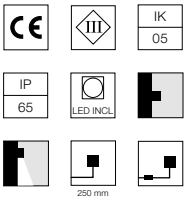
Heavy Metal Wall 1: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	Heavy Metal Wall 1 2,2W *RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Heavy Metal Wall 2 Mono







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

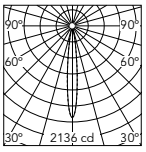
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

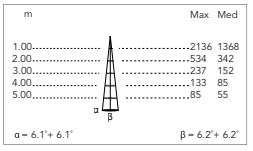
2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50700501	○ FA50700301	○ FA50700201
● FA50700506	● FA50700306	● FA50700206
● FA50700512	● FA50700312	● FA50700212
● FA50700518	● FA50700318	● FA50700218
● FA50700530	● FA50700330	● FA50700230
● FA50700533	● FA50700333	● FA50700233



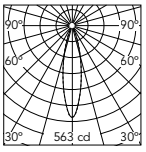


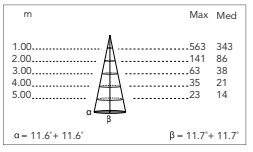
@ 3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50701501	○ FA50701301	○ FA50701201
● FA50701506	● FA50701306	● FA50701206
● FA50701512	● FA50701312	● FA50701212
● FA50701518	● FA50701318	● FA50701218
● FA50701530	● FA50701330	● FA50701230
● FA50701533	● FA50701333	● FA50701233





@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

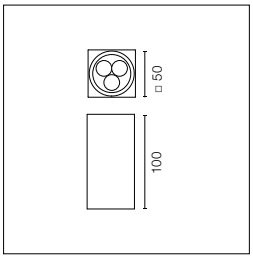
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

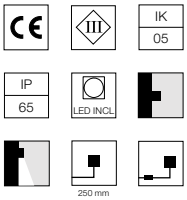
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	3
Acc. RF25748	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17
Acc. RF25757	2		

Heavy Metal HP Wall 2 Mono







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

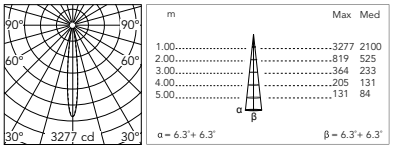
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50702501	○ FA50702301	○ FA50702201
● FA50702506	● FA50702306	● FA50702206
● FA50702512	● FA50702312	● FA50702212
● FA50702518	● FA50702318	● FA50702218
● FA50702530	● FA50702330	● FA50702230
● FA50702533	● FA50702333	● FA50702233

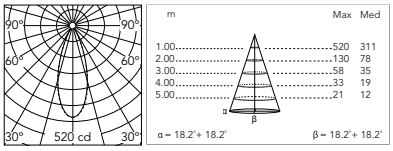


@ 3000K

Optic Medium 30°

Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50703501	○ FA50703301	○ FA50703201
● FA50703506	● FA50703306	● FA50703206
● FA50703512	● FA50703312	● FA50703212
● FA50703518	● FA50703318	● FA50703218
● FA50703530	● FA50703330	● FA50703230
● FA50703533	● FA50703333	● FA50703233



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

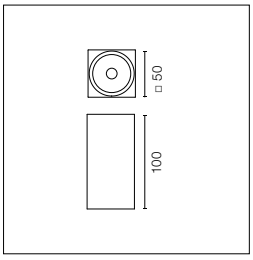
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

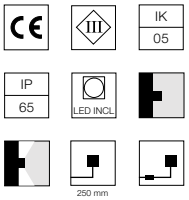
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25757	2
Acc. RF25748	1	Acc. F990B28A000	7
Acc. RF25747	2	Acc. F990B27A000	14

Heavy Metal Wall 2 Double







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

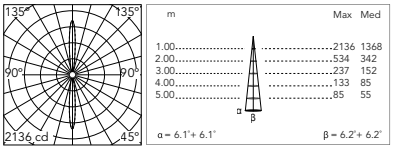
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 6,8W - 2x199 lm ≠ OUTPUT 2x138 lm - 2700K/CRI 80 - 24Vdc / 6,8W - 2x215 lm ≠ OUTPUT 2x149 lm - 3000K/CRI 80 - 24Vdc / 6,8W - 2x224 lm ≠ OUTPUT 2x155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50710501	○ FA50710301	○ FA50710201
● FA50710506	● FA50710306	● FA50710206
● FA50710512	● FA50710312	● FA50710212
● FA50710518	● FA50710318	● FA50710218
● FA50710530	● FA50710330	● FA50710230
● FA50710533	● FA50710333	● FA50710233

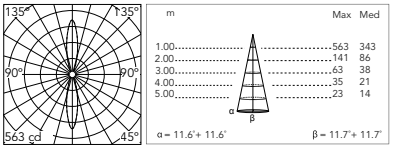


@ 3000K

Optic Medium 30°

Power Led: 6,8W - 2x199 lm ≠ OUTPUT 2x121 lm - 2700K/CRI 80 - 24Vdc / 6,8W - 2x215 lm ≠ OUTPUT 2x131 lm - 3000K/CRI 80 - 24Vdc / 6,8W - 2x224 lm ≠ OUTPUT 2x136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50711501	○ FA50711301	○ FA50711201
● FA50711506	● FA50711306	● FA50711206
● FA50711512	● FA50711312	● FA50711212
● FA50711518	● FA50711318	● FA50711218
● FA50711530	● FA50711330	● FA50711230
● FA50711533	● FA50711333	● FA50711233



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

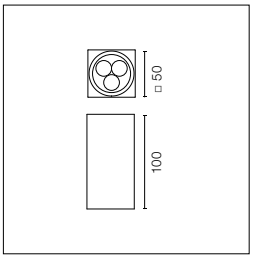
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

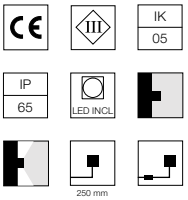
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1	Acc. F990B28A000	5
Acc. RF25757	1	Acc. F990B27A000	8
Acc. RF25752	2		

Heavy Metal HP Wall 2 Double







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

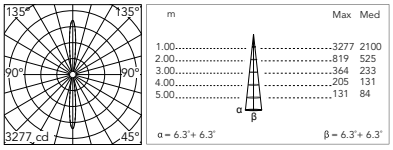
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 9W - 2x331 lm ≠ OUTPUT 2x246 lm - 2700K/CRI 80 - 24Vdc / 9W - 2x359 lm ≠ OUTPUT 2x267 lm - 3000K/CRI 80 - 24Vdc / 9W - 2x373 lm ≠ OUTPUT 2x277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50712501	○ FA50712301	○ FA50712201
● FA50712506	● FA50712306	● FA50712206
● FA50712512	● FA50712312	● FA50712212
● FA50712518	● FA50712318	● FA50712218
● FA50712530	● FA50712330	● FA50712230
● FA50712533	● FA50712333	● FA50712233

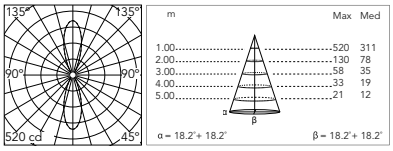


@ 3000K

Optic Medium 30°

Power Led: 9W - 2x331 lm ≠ OUTPUT 2x218 lm - 2700K/CRI 80 - 24Vdc / 9W - 2x359 lm ≠ OUTPUT 2x236 lm - 3000K/CRI 80 - 24Vdc / 9W - 2x373 lm ≠ OUTPUT 2x245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA50713501	○ FA50713301	○ FA50713201
● FA50713506	● FA50713306	● FA50713206
● FA50713512	● FA50713312	● FA50713212
● FA50713518	● FA50713318	● FA50713218
● FA50713530	● FA50713330	● FA50713230
● FA50713533	● FA50713333	● FA50713233



@ 3000K

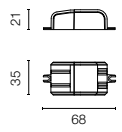
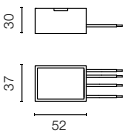
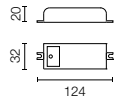
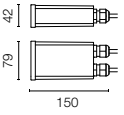
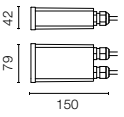
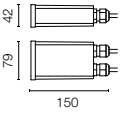
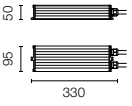
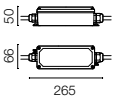
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

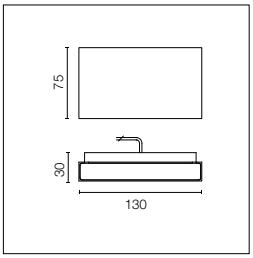
Acc. RF25747	1
Acc. RF25757	1
Acc. F990B28A000	3
Acc. F990B27A000	7

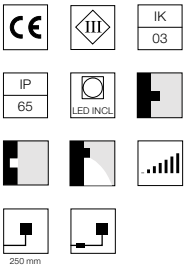
Heavy Metal Wall 2: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	Heavy Metal Wall 2 Mono *RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Heavy Metal Wall 2 Double *RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Heavy Metal Wall 3 Mono







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

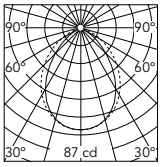
2200K disponibile su richiesta.

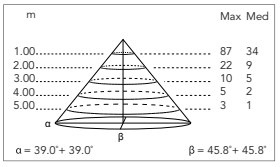
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Mid-Power Led: 2,5W - 246 lm ≠ OUTPUT 162 lm - 2700K/CRI 80 - 24Vdc / 2,5W - 265 lm ≠ OUTPUT 168 lm - 3000K/CRI 80 - 24Vdc / 2,5W - 278 lm ≠ OUTPUT 174 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51200501	○ FA51200301	○ FA51200201
● FA51200506	● FA51200306	● FA51200206
● FA51200512	● FA51200312	● FA51200212
● FA51200518	● FA51200318	● FA51200218
● FA51200530	● FA51200330	● FA51200230
● FA51200533	● FA51200333	● FA51200233





@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

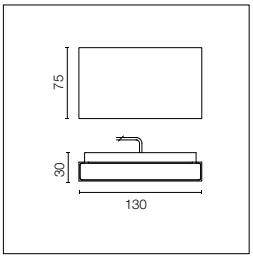
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

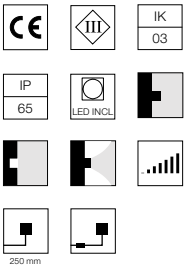
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	3	Acc. RF26387.A	6
Acc. RF25748	3	Acc. RF25752	8
Acc. RF25747	4	Acc. F990B28A000	20
Acc. RF25757	4	Acc. F990B27A000	25
Acc. RF25750	6	Acc. F990B29A000	35
Acc. F990B21A000	6		

Heavy Metal Wall 3 Double







Sorgente luminosa a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Staffa di fissaggio a parete inclusa. Dotato di spezzone di cavo uscente in neoprene di 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

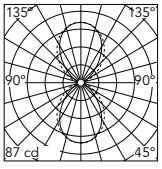
2200K disponibile su richiesta.

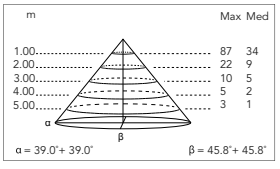
LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

Mid-Power Led: 5W - 2x246 lm ≠ OUTPUT 2x162 lm - 2700K/CRI 80 - 24Vdc / 5W - 2x265 lm ≠ OUTPUT 2x168 lm - 3000K/CRI 80 - 24Vdc / 5W - 2x278 lm ≠ OUTPUT 2x174 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51201501	○ FA51201301	○ FA51201201
● FA51201506	● FA51201306	● FA51201206
● FA51201512	● FA51201312	● FA51201212
● FA51201518	● FA51201318	● FA51201218
● FA51201530	● FA51201330	● FA51201230
● FA51201533	● FA51201333	● FA51201233





@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF26387.A	3
Acc. RF25748	1	Acc. RF25752	4
Acc. RF25747	2	Acc. F990B28A000	10
Acc. RF25757	2	Acc. F990B27A000	13
Acc. RF25750	3	Acc. F990B29A000	17
Acc. F990B21A000	3		

Heavy Metal Wall 3: Accessori / Accessories

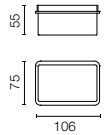
Scatola di derivazione da incasso 3 moduli (modello 503)

Recessed 3-module junction box (model 503)

Heavy Metal Wall 3

F990H010000

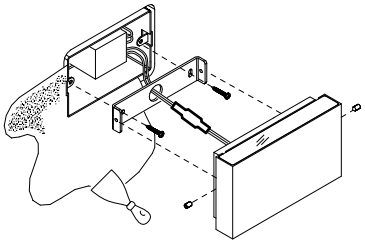




Heavy Metal Wall 3 Installation acc. F990H010000

Heavy Metal Wall 3 con scatola per incasso.
Opzionale: alimentatore art. 106 in scatola da incasso.

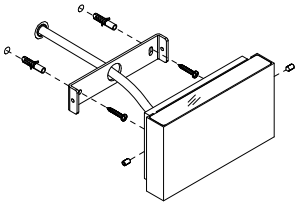
Heavy Metal Wall 3 with box.
Optional: power supply code 106 in recessed box.



Heavy Metal Wall 3 Installation acc. F990H010000

Heavy Metal Wall 3 senza scatola per incasso.

Heavy Metal Wall 3 without box.



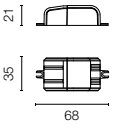
Heavy Metal Wall 3: Driver / Drivers

Alimentatore doppia funzione
Vout 24Vdc: 8W/100÷240V
Iout 350ma: 6x1W/100÷240V
IP20 Classe II Selv Eq.

Power supply dual function
Vout 24Vdc: 8W/100÷240V
Iout 350ma: 6x1W/100÷240V
IP20 Class II Selv Eq.

*RF25754



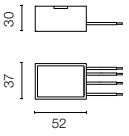


Alimentatore 24Vdc 8W / 110-240V IP65 Classe II selv.

Power supply 24Vdc 8W / 110-240V IP65 Class II selv.

*RF25748



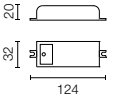


Alimentatore per installazione remota 24Vdc 10W / 110-240V IP20 Classe II selv.

Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv.

*RF25747



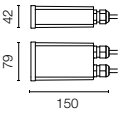


Alimentatore 24V 10W / 110-240V IP67 Classe II selv.

Power supply 24V 10W / 110-240V IP67 Class II selv.

*RF25757





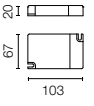
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.

Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.

*RF25750

Dimmable 1-10V



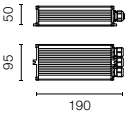


Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.

Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.

*F990B21A000





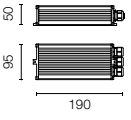
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.

Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.

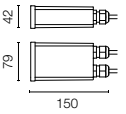
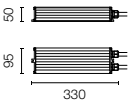
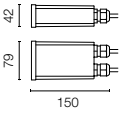
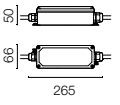
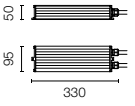
*RF26387.A

Dimmable DALI





Heavy Metal Wall 3: Driver / Drivers

Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		

Fenestra

Designed by Flos Outdoor







Fenestra

Famiglia / Family

Fenestra 24V



Power Led
4W
165 lm - 2700K/CRI 80
183 lm - 3000K/CRI 80
201 lm - 4000K/CRI 80

Fenestra



Power Led
5,5W
165 lm - 2700K/CRI 80
183 lm - 3000K/CRI 80
201 lm - 4000K/CRI 80

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

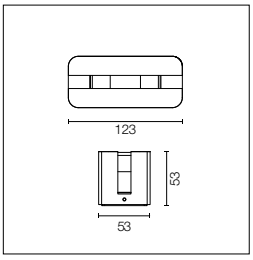
Descrizione / Description

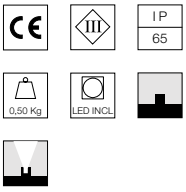
Apparecchio per esterni installabile in vano finestra con fonte di luce a LED.
Corpo dell'apparecchio realizzato in alluminio pressofuso EN AB-47100 a basso contenuto di rame.
Rivestimento ad alta resistenza: dopo un trattamento di sabbiatura di tutti componenti per rendere la superficie porosa e garantire una maggiore adesione della vernice, è applicato il rivestimento esterno con un doppio strato con polveri secondo lo standard QUALICOAT. Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici.
Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Grazie all'utilizzo di una doppia sorgente LED e di due lenti ad emissione lamellare è garantita una copertura di 270° con distribuzione omogenea e ottima uniformità cromatica.
Diffusore in policarbonato stabilizzato ai raggi UV, guarnizione in silicone.
Ogni apparecchio è dotato di un sistema meccanico di regolazione, di circa 10°, che consente di compensare lìinclinazione dei davanzali e permette il corretto orientamento del fascio"luminoso.

Luminaire for outdoor use for installation in a window compartment with LED light source.
Luminaire body in die-cast aluminum EN AB-47100 (low copper content).
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Thanks to the use of a dual LED source and two laminar emitting lenses, it guarantees a coverage of 270° with homogeneous distribution and excellent color uniformity.
UV-stabilized polycarbonate diffuser, silicone seal.
Each luminaire is equipped with a mechanical adjustment system of up to 10° to compensate the tilting of the parapet and thus correctly orient the light beam.

Fenestra 24V





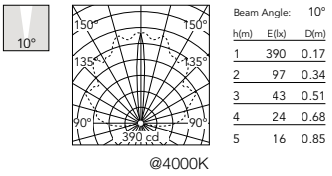


Alimentazione elettrica remota 12-24V da ordinare separatamente. Dotata di uno spezzone di cavo uscente in neoprene di 1000 mm.

12-24V remote power supply to be ordered separately. Equipped with a 1000 mm lenght outgoing neoprene cable.

Power Led: 4W - 274 lm ≠ FIXT 165 lm - 2700K/CRI 80 - 12-24V / 4W - 304 lm ≠ FIXT 183 lm - 3000K/CRI 80 - 12-24V / 4W - 334 lm ≠ FIXT 201 lm - 4000K/CRI 80 - 12-24V

2700K	3000K	4000K
○ F2250001	○ F2251001	○ F2252001
● F2250006	● F2251006	● F2252006
● F2250012	● F2251012	● F2252012
● F2250018	● F2251018	● F2252018
● F2250030	● F2251030	● F2252030
● F2250033	● F2251033	● F2252033

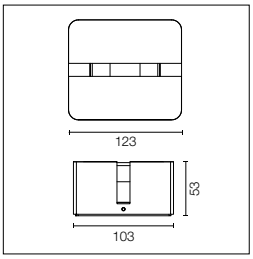


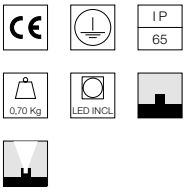
@4000K

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	390	0.17
2	97	0.34
3	43	0.51
4	24	0.68
5	16	0.85

Fenestra





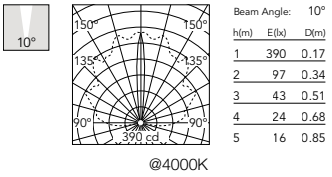


Alimentazione elettrica 100/240V integrata. Dotata di uno spezzone di cavo uscente in neoprene di 1000 mm.
Versione dimmerabile a richiesta.

Integrated 100/240V power supply. Equipped with an 1000 mm lenght outgoing neoprene cable.
Dimmable version on request.

Power Led: 5,5W - 274 lm ≠ FIXT 165 lm - 2700K/CRI 80 - 100-240V / 5,5W - 304 lm ≠ FIXT 183 lm - 3000K/CRI 80 - 100-240V / 5,5W - 334 lm ≠ FIXT 201 lm - 4000K/CRI 80 - 100-240V

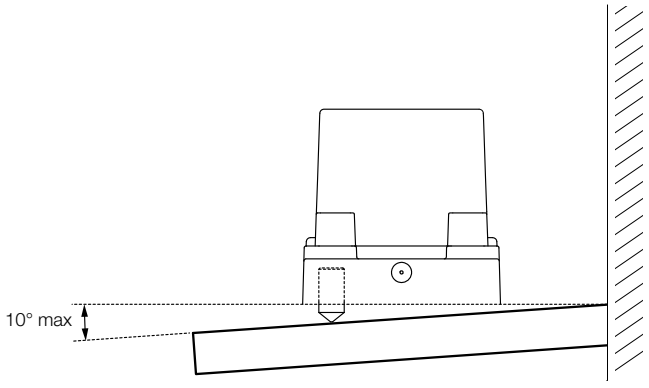
2700K	3000K	4000K
○ F2260001	○ F2261001	○ F2262001
● F2260006	● F2261006	● F2262006
● F2260012	● F2261012	● F2262012
● F2260018	● F2261018	● F2262018
● F2260030	● F2261030	● F2262030
● F2260033	● F2261033	● F2262033



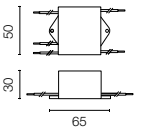
@4000K

Beam Angle:		10°
h(m)	E(lx)	D(m)
1	390	0.17
2	97	0.34
3	43	0.51
4	24	0.68
5	16	0.85

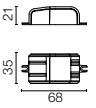
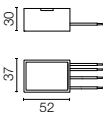
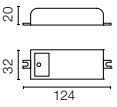
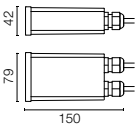
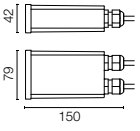
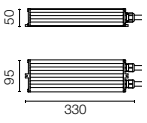
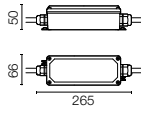
Regolazione dell'apparecchio per superfici di appoggio non planari
Luminaire adjustment for non-planar surfaces



Fenestra 24V: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275Vac Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

Fenestra 24V: Driver / Drivers

Alimentatore 24V 8W / 110-240V IP20 Classe II selv.	Power supply 24V 8W / 110-240V IP20 Class II selv.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	*F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1
Acc. RF25748	1
Acc. RF25747	2
Acc. RF25757	2
Acc. F990B23AZ00	6
Acc. F990B28A000	9
Acc. F990B27A000	13

A-Round

Designed by Piero Lissoni











A-Round

Famiglia / Family

A-Round 315



Power Led
42W
3432 lm - 2700K/CRI 80
3978 lm - 3000K/CRI 80
4290 lm - 4000K/CRI 80

A-Round 240



Power Led
21W
1760 lm - 2700K/CRI 80
2040 lm - 3000K/CRI 80
2200 lm - 4000K/CRI 80

A-Round 150



Power Led
8W
572 lm - 2700K/CRI 80
663 lm - 3000K/CRI 80
715 lm - 4000K/CRI 80

Colori / Colours



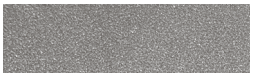
65 Matt Copper



45 Matt Gold

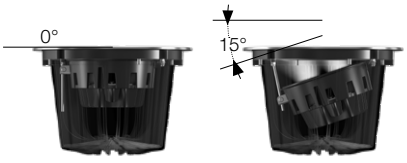


48 Matt Bronze



56 Matt Stainless Steel

Orientabilità sull'asse verticale: max 15°
Adjustment on the vertical axis: max 15°



Rotazione intorno all'asse orizzontale: max 359°
Rotation around the horizontal axis: max 359°



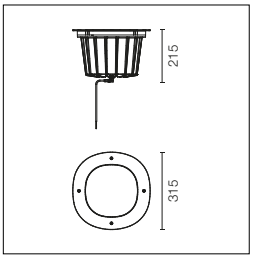
Descrizione / Description

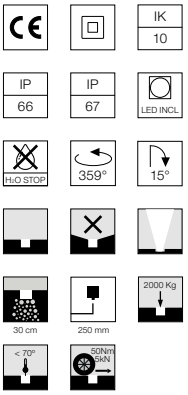
Apparecchio a LED da incasso a terra per esterni, calpestabile e carrabile, disponibile in tre dimensioni, con ottica orientabile e regolabile in diverse configurazioni.
Ghiera esterna in acciaio inox AISI 316L trattato con processo PVD (Physical Vapour Deposition).
Grazie a questo innovativo trattamento, le superfici dell'A-Round sono ricoperte da un sottile film di metalli come zirconio e titanio che, combinandosi con l'acciaio a livello molecolare, ne aumentano le caratteristiche di resistenza sia meccanica che agli agenti atmosferici, permettendo la realizzazione di finiture pregiate e durevoli.
Corpo dell'apparecchio realizzato in alluminio pressofuso EN AB-47100 a basso contenuto di rame, rivestito con doppio strato di vernice ad alta resistenza alla corrosione.
Vetro trasparente temperato ad alta resistenza, serigrafato per ridurre l'abbagliamento.
Driver per installazione remota incluso, fornito di connettore di aggancio rapido M12 a tenuta stagna.
L'installazione richiede una cassaforma da incasso, da ordinare separatamente.
È necessario garantire un livello adeguato di ghiaia (> 300 mm) o fornire un sistema di scarico per assicurare il drenaggio ed evitare il ristagno di acqua. Per garantire la tenuta del pressacavo è necessario utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

Ground-recessed luminaire for outdoor use, walkable and trafficable, available in three sizes, with adjustable optics in various configurations.
External body made of stainless steel AISI 316L treated with the PVD process (Physical Vapour Deposition).
Thanks to this innovative treatment, the surfaces of A-Round are coated with a thin film of metals, such as zirconium and titanium which, combining with the steel at the molecular level, increases the resistance to both, mechanical and atmospheric agents, permitting the execution of elegant and durable finishings.
The body of the luminaire is made of die-cast aluminum EN AB-47100 with low copper content, coated with two layers of paint with high resistance to corrosion.
High-strength tempered clear glass, screen-printed to reduce glare.
Driver for remote installation included, provided with M12 quick connector for watertight coupling.
Installation requires a housing for flush mounting, to be ordered separately.
It is necessary to provide an adequate level of gravel (> 300 mm) or a drain system to ensure drainage and avoid water stagnation. To ensure the sealing of the cable gland it is necessary to use flexible electric cables suitable for use in outdoor environments.

A-Round 315







Alimentazione elettrica 220/240V integrata. Necessaria cassaforma, da ordinare separatamente.
Orientabilità sull'asse verticale: max 15°. Rotazione intorno all'asse orizzontale: max 359°.

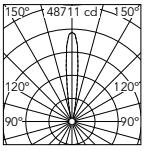
Integrated 220/240V power supply. Box for installation required, to be ordered separately.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Power Led: 42W - 3432 lm ≠ *FIXT 3203 lm - 2700K/CRI 80 - 220-240V / 42W - 3978 lm ≠ *FIXT 3447 lm - 3000K/CRI 80 - 220-240V / 42W - 4290 lm ≠ *FIXT 3707 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

Optic Spot

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F4588065.A	F4591065.A	F4594065.A
F4588045.A	F4591045.A	F4594045.A
F4588048.A	F4591048.A	F4594048.A
F4588056.A	F4591056.A	F4594056.A
1-10V	1-10V	1-10V
F4588065-310.A	F4591065-310.A	F4594065-310.A
F4588045-310.A	F4591045-310.A	F4594045-310.A
F4588048-310.A	F4591048-310.A	F4594048-310.A
F4588056-310.A	F4591056-310.A	F4594056-310.A
Dali	Dali	Dali
F4588065-300.A	F4591065-300.A	F4594065-300.A
F4588045-300.A	F4591045-300.A	F4594045-300.A
F4588048-300.A	F4591048-300.A	F4594048-300.A
F4588056-300.A	F4591056-300.A	F4594056-300.A

14° SPOT



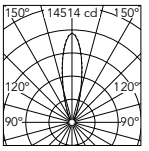
@4000K

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	48711	0.25
2	12178	0.49
3	5412	0.74
4	3044	0.98
5	1948	1.23

Optic Medium

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F4589065.A	F4592065.A	F4595065.A
F4589045.A	F4592045.A	F4595045.A
F4589048.A	F4592048.A	F4595048.A
F4589056.A	F4592056.A	F4595056.A
1-10V	1-10V	1-10V
F4589065-310.A	F4592065-310.A	F4595065-310.A
F4589045-310.A	F4592045-310.A	F4595045-310.A
F4589048-310.A	F4592048-310.A	F4595048-310.A
F4589056-310.A	F4592056-310.A	F4595056-310.A
Dali	Dali	Dali
F4589065-300.A	F4592065-300.A	F4595065-300.A
F4589045-300.A	F4592045-300.A	F4595045-300.A
F4589048-300.A	F4592048-300.A	F4595048-300.A
F4589056-300.A	F4592056-300.A	F4595056-300.A

25° MEDIUM



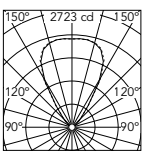
@4000K

Beam Angle:	25°
h(m)	E(lx)	D(m)
1	14514	0.43
2	3629	0.86
3	1613	1.29
4	907	1.73
5	581	2.16

Optic Flood

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
F4590065.A	F4593065.A	F4596065.A
F4590045.A	F4593045.A	F4596045.A
F4590048.A	F4593048.A	F4596048.A
F4590056.A	F4593056.A	F4596056.A
1-10V	1-10V	1-10V
F4590065-310.A	F4593065-310.A	F4596065-310.A
F4590045-310.A	F4593045-310.A	F4596045-310.A
F4590048-310.A	F4593048-310.A	F4596048-310.A
F4590056-310.A	F4593056-310.A	F4596056-310.A
Dali	Dali	Dali
F4590065-300.A	F4593065-300.A	F4596065-300.A
F4590045-300.A	F4593045-300.A	F4596045-300.A
F4590048-300.A	F4593048-300.A	F4596048-300.A
F4590056-300.A	F4593056-300.A	F4596056-300.A

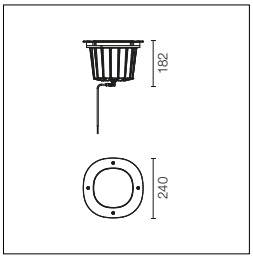
64° FLOOD

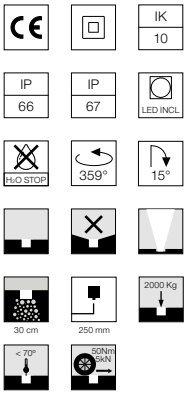


@4000K

Beam Angle:	64°
h(m)	E(lx)	D(m)
1	2723	1.23
2	681	2.46
3	303	3.69
4	170	4.92
5	109	6.15







Alimentazione elettrica 220/240V integrata. Necessaria cassaforma, da ordinare separatamente.
Orientabilità sull'asse verticale: max 15°. Rotazione intorno all'asse orizzontale: max 359°.

Integrated 220/240V power supply. Box for installation required, to be ordered separately.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Power Led: 21W - 1760 lm ≠ *FIXT 1623 lm - 2700K/CRI 80 - 220-240V / 21W - 2040 lm ≠ *FIXT 1747 lm - 3000K/CRI 80 - 220-240V / 21W - 2200 lm ≠ *FIXT 1878 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

Optic Spot

2700K

Non Dimmable
- F4579065.A
- F4579045.A
- F4579048.A
- F4579056.A

1-10V
- F4579065-310.A
- F4579045-310.A
- F4579048-310.A
- F4579056-310.A

Dali
- F4579065-300.A
- F4579045-300.A
- F4579048-300.A
- F4579056-300.A

3000K

Non Dimmable
- F4582065.A
- F4582045.A
- F4582048.A
- F4582056.A

1-10V
- F4582065-310.A
- F4582045-310.A
- F4582048-310.A
- F4582056-310.A

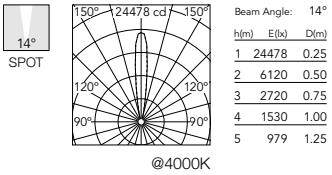
Dali
- F4582065-300.A
- F4582045-300.A
- F4582048-300.A
- F4582056-300.A

4000K

Non Dimmable
- F4585065.A
- F4585045.A
- F4585048.A
- F4585056.A

1-10V
- F4585065-310.A
- F4585045-310.A
- F4585048-310.A
- F4585056-310.A

Dali
- F4585065-300.A
- F4585045-300.A
- F4585048-300.A
- F4585056-300.A



Optic Medium

2700K

Non Dimmable
- F4580065.A
- F4580045.A
- F4580048.A
- F4580056.A

1-10V
- F4580065-310.A
- F4580045-310.A
- F4580048-310.A
- F4580056-310.A

Dali
- F4580065-300.A
- F4580045-300.A
- F4580048-300.A
- F4580056-300.A

3000K

Non Dimmable
- F4583065.A
- F4583045.A
- F4583048.A
- F4583056.A

1-10V
- F4583065-310.A
- F4583045-310.A
- F4583048-310.A
- F4583056-310.A

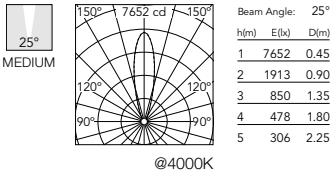
Dali
- F4583065-300.A
- F4583045-300.A
- F4583048-300.A
- F4583056-300.A

4000K

Non Dimmable
- F4586065.A
- F4586045.A
- F4586048.A
- F4586056.A

1-10V
- F4586065-310.A
- F4586045-310.A
- F4586048-310.A
- F4586056-310.A

Dali
- F4586065-300.A
- F4586045-300.A
- F4586048-300.A
- F4586056-300.A



Optic Flood

2700K

Non Dimmable
- F4581065.A
- F4581045.A
- F4581048.A
- F4581056.A

1-10V
- F4581065-310.A
- F4581045-310.A
- F4581048-310.A
- F4581056-310.A

Dali
- F4581065-300.A
- F4581045-300.A
- F4581048-300.A
- F4581056-300.A

3000K

Non Dimmable
- F4584065.A
- F4584045.A
- F4584048.A
- F4584056.A

1-10V
- F4584065-310.A
- F4584045-310.A
- F4584048-310.A
- F4584056-310.A

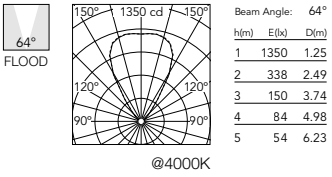
Dali
- F4584065-300.A
- F4584045-300.A
- F4584048-300.A
- F4584056-300.A

4000K

Non Dimmable
- F4587065.A
- F4587045.A
- F4587048.A
- F4587056.A

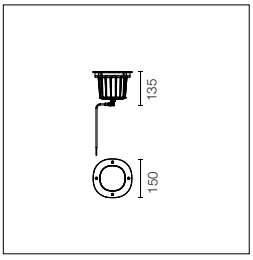
1-10V
- F4587065-310.A
- F4587045-310.A
- F4587048-310.A
- F4587056-310.A

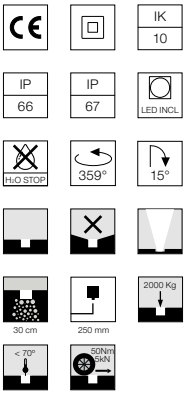
Dali
- F4587065-300.A
- F4587045-300.A
- F4587048-300.A
- F4587056-300.A



A-Round 150







Alimentazione elettrica 110/240V integrata. Necessaria cassaforma, da ordinare separatamente. Versione dimmerabile a richiesta. Orientabilità sull'asse verticale: max 15°. Rotazione intorno all'asse orizzontale: max 359°.

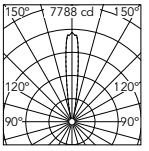
Integrated 110/240V power supply. Box for installation required, to be ordered separately. Dimmable version on request.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Power Led: 8W - 572 lm ≠ *FIXT 536 lm - 2700K/CRI 80 - 110-240V / 8W - 663 lm ≠ *FIXT 576 lm - 3000K/CRI 80 - 110-240V / 8W - 715 lm ≠ *FIXT 620 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

Optic Spot

2700K	3000K	4000K
F4570065.A	F4573065.A	F4576065.A
F4570045.A	F4573045.A	F4576045.A
F4570048.A	F4573048.A	F4576048.A
F4570056.A	F4573056.A	F4576056.A

14°
SPOT



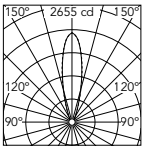
@4000K

Beam Angle:	14°
h(m)	E(lx)	D(m)
1	7788	0.25
2	1947	0.50
3	865	0.76
4	487	1.01
5	312	1.26

Optic Medium

2700K	3000K	4000K
F4571065.A	F4574065.A	F4577065.A
F4571045.A	F4574045.A	F4577045.A
F4571048.A	F4574048.A	F4577048.A
F4571056.A	F4574056.A	F4577056.A

25°
MEDIUM



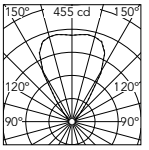
@4000K

Beam Angle:	25°
h(m)	E(lx)	D(m)
1	2655	0.43
2	664	0.86
3	295	1.28
4	166	1.71
5	106	2.14

Optic Flood

2700K	3000K	4000K
F4572065.A	F4575065.A	F4578065.A
F4572045.A	F4575045.A	F4578045.A
F4572048.A	F4575048.A	F4578048.A
F4572056.A	F4575056.A	F4578056.A

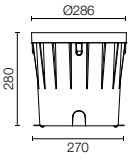
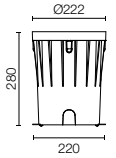
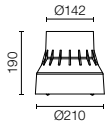
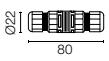
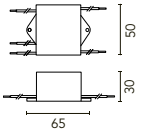
64°
FLOOD



@4000K

Beam Angle:	64°
h(m)	E(lx)	D(m)
1	455	1.26
2	114	2.51
3	51	3.77
4	28	5.03
5	18	6.28

A-Round: Accessori / Accessories

Honeycomb.	Honeycomb.	A-Round 315 - 4 Units Kit F4557000		
Lente flood.	Flood lens.	A-Round 315 - 4 Units Kit F4560000		
Cassaforma.	Box for installation.	A-Round 315 F4599000		
Honeycomb.	Honeycomb.	A-Round 240 - 4 Units Kit F4556000		
Lente flood.	Flood lens.	A-Round 240 - 4 Units Kit F4559000		
Cassaforma.	Box for installation.	A-Round 240 F4598000		
Honeycomb.	Honeycomb.	A-Round 150 - 4 Units Kit F4555000		
Lente flood.	Flood lens.	A-Round 150 - 4 Units Kit F4558000		
Cassaforma.	Box for installation.	A-Round 150 F4597000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

A-Rise



A-Rise





Famiglia / Family

A-Rise 290



Power Led
up to 39W
up to 2956 lm - 2700K/CRI 80
up to 3167 lm - 3000K/CRI 80
up to 3273 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

CoB Led
up to 38W
up to 3093 lm - 2700K/CRI 80
up to 3326 lm - 3000K/CRI 80
up to 3411 lm - 4000K/CRI 80
* Net lumen output

A-Rise 225



Power Led
up to 21W
up to 1478 lm - 2700K/CRI 80
up to 1584 lm - 3000K/CRI 80
up to 1636 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

CoB Led
up to 21W
up to 1739 lm - 2700K/CRI 80
up to 1870 lm - 3000K/CRI 80
up to 1961 lm - 4000K/CRI 80
* Net lumen output

A-Rise 145



Power Led
up to 8W
up to 472 lm - 2700K/CRI 80
up to 507 lm - 3000K/CRI 80
up to 583 lm - 4000K/CRI 80
* Net lumen output

CoB Led
up to 9W
up to 545 lm - 2700K/CRI 80
up to 586 lm - 3000K/CRI 80
up to 610 lm - 4000K/CRI 80
* Net lumen output

A-Rise 130



Mid - Power Led
up to 7W
up to 453 lm - 3000K/CRI 80
up to 479 lm - 4000K/CRI 80
* Net lumen output

A-Rise 65



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

A-Rise 65 High Emission



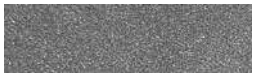
Power Led
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

A-Rise 49



Power Led
up to 2,3W
up to 106 lm - 2700K/CRI 80
up to 115 lm - 3000K/CRI 80
up to 119 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Colori / Colours



56 Matt Stainless Steel

Famiglia completa di apparecchi di illuminazione ad incasso a terra con sorgente luminosa a LED, caratterizzati dalla geometria tonda, adattabile alle molteplici situazioni di installazione architettonica. Disponibili in differenti tagli dimensionali e molteplici fasci di apertura. Le ghiere esterne di chiusura sono realizzate in acciaio inox 316L, trattate con processo di pallinatura tale da migliorare la resistenza a fatica del componente e donare un'estetica finale di satinatura fine. Le viterie di fissaggio sono in acciaio inox AISI 316L.
L'installazione richiede una cassaforma da incasso da ordinare separatamente. È necessario garantire un livello adeguato di materiale drenante sotto la cassaforma o fornire un sistema di scarico per evitare il ristagno di acqua. Per garantire la tenuta del pressacavo è necessario utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni..

A-Rise 145 / 225 / 290
Apparecchio ad incasso a terra calpestabile e carrabile, disponibile in tre dimensioni di diametro e in molteplici fasci di apertura, con ottica basculante sull'asse verticale e orientabile sull'asse orizzontale, per una completa flessibilità di modulazione dell'effetto desiderato sulla superficie da illuminare. La posizione arretrata della sorgente luminosa permette di ridurre notevolmente l'abbagliamento diretto garantendo un comfort visivo ottimale.
Corpo dell'apparecchio e dissipatore realizzato in alluminio pressofuso EN AB-47100 a basso contenuto di rame, rivestito con doppio strato di vernice ad alta resistenza alla corrosione. Ghiera esterna in acciaio inox AISI 316L pallinato. Vetro trasparente temperato ad alta resistenza, serigrafato per ridurre l'abbagliamento e fissato attraverso un sistema di incollaggio robotizzato alla contro ghiera. L'apparecchio è dotato di un connettore a vite M12 a tenuta stagna che fornisce isolamento ottimale contro la penetrazione di acqua e rapido collegamento con l'unità di cablaggio, in dotazione con l'apparecchio come un kit IP66/67 remoto da alloggiare nella cassaforma da incasso.

A-Rise 130
Apparecchio ad incasso a parete e a terra calpestabile, caratterizzata dalla ridotta profondità di incasso che ne permette l'uso anche in pareti divisorie di 80 mm. Fascio di apertura flood per una emissione morbida e diffusa, disponibile in due tagli di potenza e flusso luminoso emesso per poter gestire differenti esigenze di illuminazione. Corpo dell'apparecchio e dissipatore realizzato in alluminio pressofuso EN AB-47100 a basso contenuto di rame, rivestito con doppio strato di vernice ad alta resistenza alla corrosione. Ghiera esterna in acciaio inox AISI 316L pallinato. Diffusore in vetro sabbiato e serigrafato centralmente per ridurre l'abbagliamento, fissato attraverso un sistema di incollaggio robotizzato. Disponibile versione con modulo led in tensione di rete e versione a 24V dc che necessita di alimentatore remoto da ordinare separatamente.

A-Rise 49 / A-Rise 65
Apparecchi ad incasso a terra calpestabili, predisposti per installazione ad incasso a parete o a controsoffitto nella versione con molle. Declinati in due dimensioni di diametro e caratterizzati dalla forma compatta e dall'assenza di viti a vista; disponibili in differenti fasci di apertura e di diffusione della luce. La posizione leggermente arretrata della sorgente luminosa permette di ridurre l'abbagliamento diretto. Corpo dell'apparecchio in alluminio tornito lega EN AW 6060 con trattamento di anodizzazione ad alta resistenza alla corrosione. Ghiera esterna in acciaio inox AISI 316L pallinato. Diffusore in policarbonato trasparente per le versioni con fascio stretto e medio, policarbonato opale per la versione a luce diffusa. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Complete family of ground recessed luminaires with LED source. They are characterized by their curved lines, which adapt to different architectural installation conditions. Available in different sizes and different beam angles. External caps made of 316L stainless steel, shot-blasted to improve its resistance to stress and its aesthetics with a slightly satin finish. The fixing screws are made of AISI 316L stainless steel. The installation requires a recessed box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

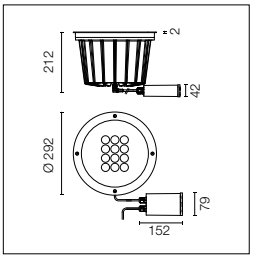
A-Rise 145 / 225 / 290
Ground recessed and walk-over luminaire. Available in three different diameters and different beam angles. Equipped with a visor that tilts on the vertical axis and that is adjustable on the horizontal axis in order to adjust brightness and to perfectly adapt it to the desired effect on the surface. The rear position of the light source contributes to a considerable reduction of direct glare, thus ensuring excellent visual comfort. The structure and sink are made of EN AB-47100 die-cast aluminum (with low copper content), coated with a double layer of highly corrosion-resistant paint. The external cap is made of AISI 316L shot-blasted stainless steel. Tempered, transparent glass for higher resistance, silkscreened in order to reduce glare. Fixed to the ring of the external cap through a robotic gluing system. Equipped with an M12 watertight screw-on connector which completely isolates it from water infiltration and guarantees a quick connection with the supplied wiring, together with a remote IP66/67 kit to be installed in the box for recessing.

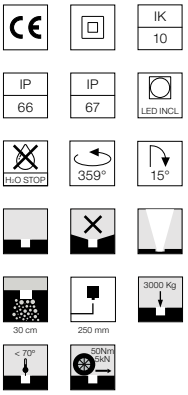
A-Rise 130
Ground recessed and walk-over luminaire characterized by a shallow recessing which allows its installation in 80 mm partition walls. Wide beam angle for a smooth and diffused light. Available in two power factors and two luminous fluxes to meet different lighting requirements. EN AB-47100 die-cast aluminium structure and sink (with low copper content), coated with a double layer of highly corrosion-resistant paint. AISI 316L shot-blasted stainless steel external cap. Frosted glass diffuser, silkscreened at the center in order to reduce glare and fixed through a robotic gluing system. Available in two versions: 24V and line voltage LED module. The 24V version requires a remote power supply to be ordered separately.

A-Rise 49 / A-Rise 65
Spring-loaded version of the ground recessed and walk-over luminaire, designed to be recessed in walls or false ceilings. Available in two different diameters, it is characterized by its compact shape and the absence of visible screws. Available with different light diffusion and beam angles. The slightly rear position of the light source contributes to reduce the direct glare. Structure in turned aluminium, EN AW 6060 alloy, anodized for better resistance to corrosion. 316L shot-blasted stainless steel external cap. Transparent polycarbonate diffuser for narrow and medium beam versions and opal polycarbonate diffuser for diffused light versions. The 24V dc luminaire is powered by a remote power supply to be ordered separately.

A-Rise 290







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 39W - 3864 lm ≠ OUTPUT 2956 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3167 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3273 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53406356

1-10V
- FA53406356-310

Dali
- FA53406356-300

3000K

Non Dimmable
- FA53403756

1-10V
- FA53403756-310

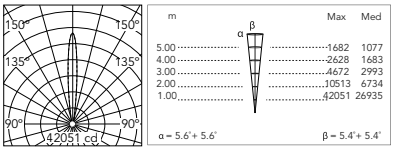
Dali
- FA53403756-300

4000K

Non Dimmable
- FA53403656

1-10V
- FA53403656-310

Dali
- FA53403656-300



@ 3000K

Optic Medium 35°

Power Led: 39W - 3864 lm ≠ OUTPUT 2722 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 2917 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3014 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53406456

1-10V
- FA53406456-310

Dali
- FA53406456-300

3000K

Non Dimmable
- FA53404056

1-10V
- FA53404056-310

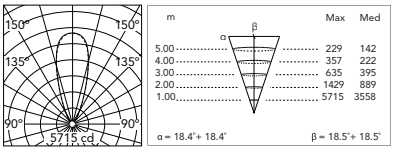
Dali
- FA53404056-300

4000K

Non Dimmable
- FA53403956

1-10V
- FA53403956-310

Dali
- FA53403956-300



@ 3000K

Optic Flood 70°

Power Led: 39W - 3864 lm ≠ OUTPUT 2918 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3126 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3230 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53406556

1-10V
- FA53406556-310

Dali
- FA53406556-300

3000K

Non Dimmable
- FA53404356

1-10V
- FA53404356-310

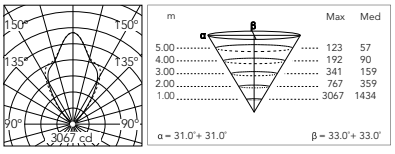
Dali
- FA53404356-300

4000K

Non Dimmable
- FA53404256

1-10V
- FA53404256-310

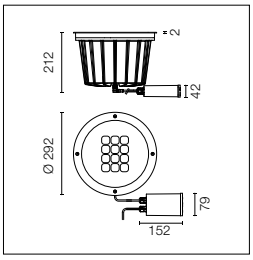
Dali
- FA53404256-300

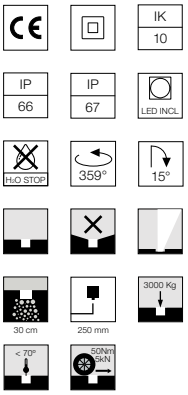


@ 3000K

A-Rise 290 Wall Washer







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Optic Asymmetric 54°x 66°

Power Led: 39W - 3864 lm ≠ OUTPUT 2840 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3043 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3144 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53406656

1-10V
- FA53406656-310

Dali
- FA53406656-300

3000K

Non Dimmable
- FA53404656

1-10V
- FA53404656-310

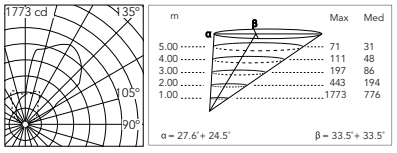
Dali
- FA53404656-300

4000K

Non Dimmable
- FA53404556

1-10V
- FA53404556-310

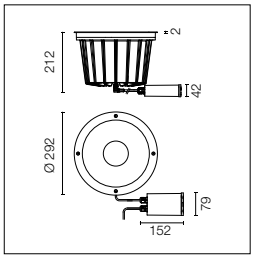
Dali
- FA53404556-300

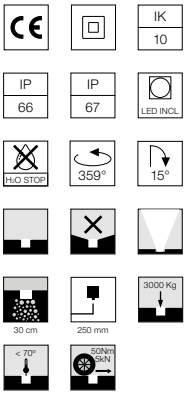


@ 3000K

A-Rise 290 High Emission







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

Optic Medium 40°

CoB Led: 38W - 4078 lm ≠ OUTPUT 3093 lm - 2700K/CRI 80 - 220÷240V / 38W - 4385 lm ≠ OUTPUT 3326 lm - 3000K/CRI 80 - 220÷240V / 38W - 4496 lm ≠ OUTPUT 3411 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53406756

1-10V
- FA53406756-310.A

Dali
- FA53406756-300

3000K

Non Dimmable
- FA53404856.A

1-10V
- FA53404856-310.A

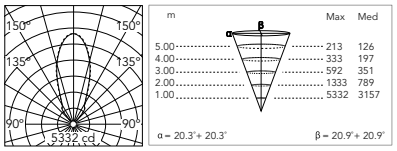
Dali
- FA53404856-300.A

4000K

Non Dimmable
- FA53404756

1-10V
- FA53404756-310.A

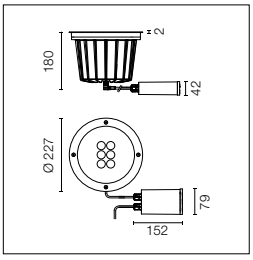
Dali
- FA53404756-300

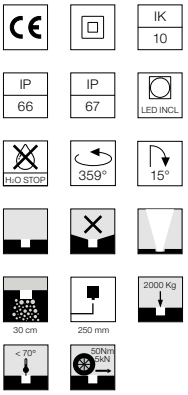


@ 3000K

A-Rise 225







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Optic Spot 10°

Power Led: 21W - 1932 lm ≠ OUTPUT 1478 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1584 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1636 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53405756

1-10V
- FA53405756-310

Dali
- FA53405756-300

3000K

Non Dimmable
- FA53402156

1-10V
- FA53402156-310

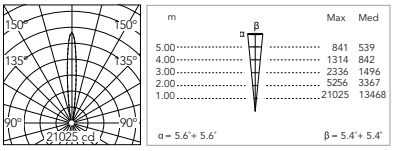
Dali
- FA53402156-300

4000K

Non Dimmable
- FA53402056

1-10V
- FA53402056-310

Dali
- FA53402056-300



@ 3000K

Optic Medium 35°

Power Led: 21W - 1932 lm ≠ OUTPUT 1361 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1458 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1507 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53405856

1-10V
- FA53405856-310

Dali
- FA53405856-300

3000K

Non Dimmable
- FA53402456

1-10V
- FA53402456-310

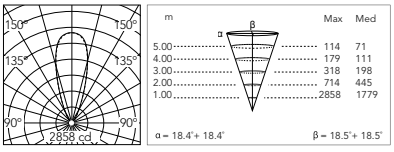
Dali
- FA53402456-300

4000K

Non Dimmable
- FA53402356

1-10V
- FA53402356-310

Dali
- FA53402356-300



@ 3000K

Optic Flood 70°

Power Led: 21W - 1932 lm ≠ OUTPUT 1459 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1563 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1615 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53405956

1-10V
- FA53405956-310

Dali
- FA53405956-300

3000K

Non Dimmable
- FA53402756

1-10V
- FA53402756-310

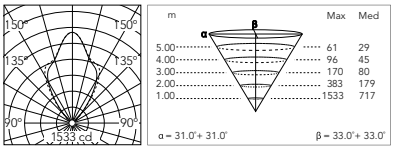
Dali
- FA53402756-300

4000K

Non Dimmable
- FA53402656

1-10V
- FA53402656-310

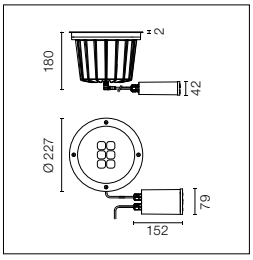
Dali
- FA53402656-300

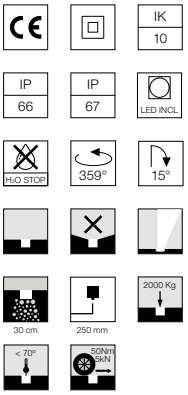


@ 3000K

A-Rise 225 Wall Washer







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Optic Asymmetric 54°x 66°

Power Led: 21W - 1932 lm ≠ OUTPUT 1420 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1521 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1572 lm - 4000K/CRI 80 - 220÷240V

2700K
Non Dimmable
- FA53406056

1-10V
- FA53406056-310

Dali
- FA53406056-300

3000K
Non Dimmable
- FA53403056

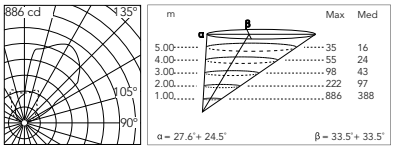
1-10V
- FA53403056-310

Dali
- FA53403056-300

4000K
Non Dimmable
- FA53402956

1-10V
- FA53402956-310

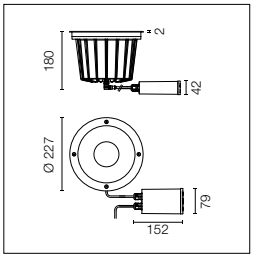
Dali
- FA53402956-300

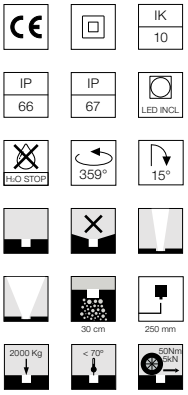


@ 3000K

A-Rise 225 High Emission







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

Optic Spot 16°

CoB Led: 21W - 2246 lm ≠ OUTPUT 1739 lm - 2700K/CRI 80 - 220÷240V / 21W - 2415 lm ≠ OUTPUT 1870 lm - 3000K/CRI 80 - 220÷240V / 21W - 2533 lm ≠ OUTPUT 1961 lm - 4000K/CRI 80 - 220÷240V

2700K
Non Dimmable
- FA53406156.A

1-10V
- FA53406156-310.A

Dali
- FA53406156-300.B

3000K
Non Dimmable
- FA53403256

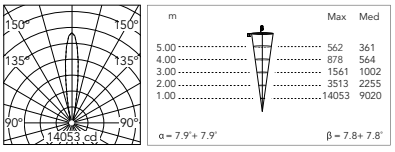
1-10V
- FA53403256-310

Dali
- FA53403256-300.A

4000K
Non Dimmable
- FA53403156.A

1-10V
- FA53403156-310.A

Dali
- FA53403156-300.B



@ 3000K

Optic Medium 40°

CoB Led: 21W - 2246 lm ≠ OUTPUT 1673 lm - 2700K/CRI 80 - 220÷240V / 21W - 2415 lm ≠ OUTPUT 1799 lm - 3000K/CRI 80 - 220÷240V / 21W - 2533 lm ≠ OUTPUT 1886 lm - 4000K/CRI 80 - 220÷240V

2700K
Non Dimmable
- FA53406256.A

1-10V
- FA53406256-310.A

Dali
- FA53406256-300.B

3000K
Non Dimmable
- FA53403456

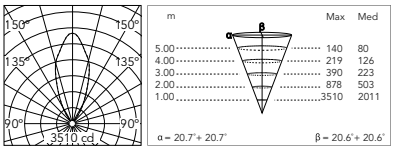
1-10V
- FA53403456-310

Dali
- FA53403456-300.A

4000K
Non Dimmable
- FA53403356.A

1-10V
- FA53403356-310.A

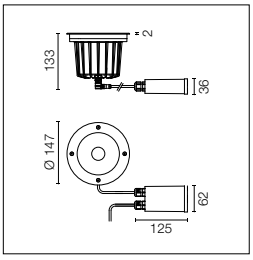
Dali
- FA53403356-300.B

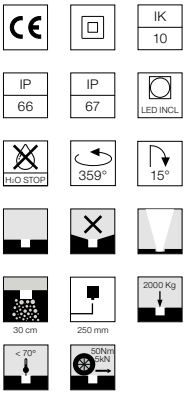


@ 3000K

A-Rise 145







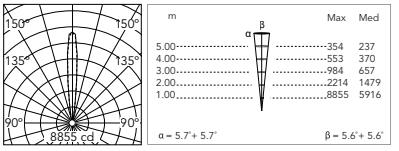
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro. Versione dimmerabile a richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line. Extra clear transparent glass. Adjustable light intensity version available upon request.

Optic Spot 10º

Power Led: 8W - 509 lm ≠ OUTPUT 451 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 485 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 558 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA53405156.A	FA53400356.A	FA53400256.A

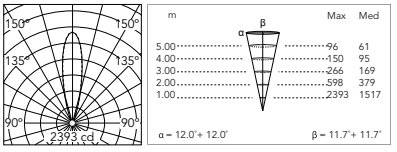


@ 3000K

Optic Medium 24º

Power Led: 8W - 509 lm ≠ OUTPUT 472 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 507 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 583 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA53405256.A	FA53400656.A	FA53400556.A

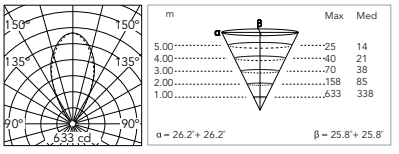


@ 3000K

Optic Flood 50º

Power Led: 8W - 509 lm ≠ OUTPUT 433 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 466 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 536 lm - 4000K/CRI 80 - 220÷240V

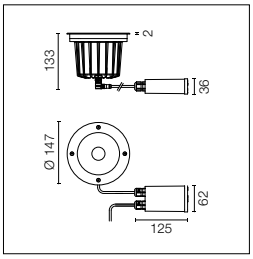
2700K	3000K	4000K
FA53405356.A	FA53400956.A	FA53400856.A

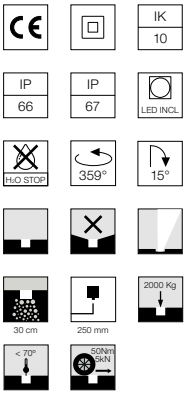


@ 3000K

A-Rise 145 Wall Washer







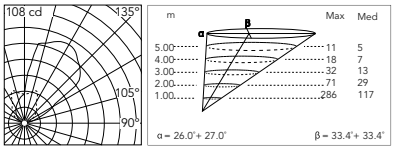
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro. Versione dimmerabile a richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass. Adjustable light intensity version available upon request.

Optic Asymmetric 54°x 66°

Power Led: 8W - 509 lm ≠ OUTPUT 413 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 444 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 511 lm - 4000K/CRI 80 - 220÷240V

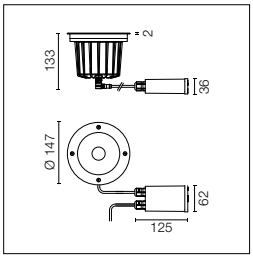
2700K	3000K	4000K
FA53405456.A	FA53401256.A	FA53401156.A

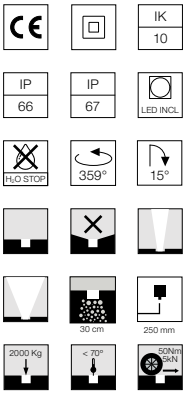


@ 3000K

A-Rise 145 High Emission







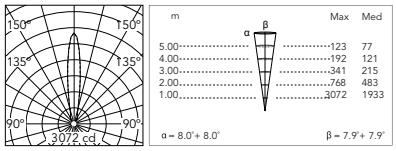
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Orientabilità asse verticale: max 15°. Rotazione asse orizzontale: max 359°. Alimentatore remoto da alloggiare in cassaforma dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica. Vetro trasparente extrachiaro. Versione dimmerabile a richiesta.

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15° max. Rotation on horizontal axis: 359° max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass. Adjustable light intensity version available upon request.

Optic Spot 16°

CoB Led: 9W - 857 lm ≠ OUTPUT 518 lm - 2700K/CRI 80 - 220÷240V / 9W - 922 lm ≠ OUTPUT 557 lm - 3000K/CRI 80 - 220÷240V / 9W - 959 lm ≠ OUTPUT 579 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA53405556	FA53401556	FA53401456

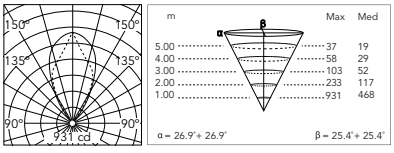


@ 3000K

Optic Flood 50°

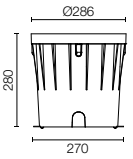
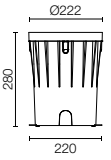
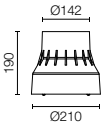
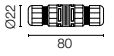
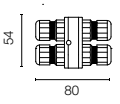
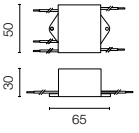
CoB Led: 9W - 857 lm ≠ OUTPUT 545 lm - 2700K/CRI 80 - 220÷240V / 9W - 922 lm ≠ OUTPUT 586 lm - 3000K/CRI 80 - 220÷240V / 9W - 959 lm ≠ OUTPUT 610 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA53405656	FA53401856	FA53401756



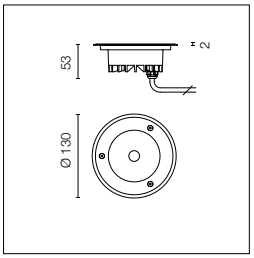
@ 3000K

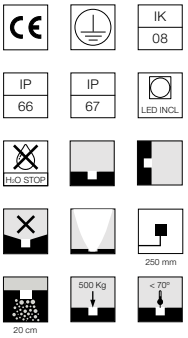
A-Rise: Accessori / Accessories

Scatola per incasso.	Box for installation.	A-Rise 290 F4599000		
Scatola per incasso.	Box for installation.	A-Rise 225 F4598000		
Scatola per incasso.	Box for installation.	A-Rise 145 F4597000		
Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli. (ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C00A000		
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

A-Rise 130 HP







Sorgente a LED inclusa a tensione di rete. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 250 mm e sistema di giunzione H2O STOP a 2 vie e 3 poli per connessione a tenuta stagna.
Vetro sabbiato.

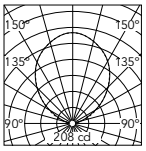
Mains voltage LED light source included. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated 2-way, 3-pole H2O STOP connection system guaranteeing the water tightness of the connection.
Frosted glass.

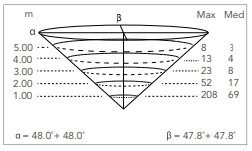
Optic Wide Flood 96°

Mid-Power Led: 7W - 525 lm ≠ OUTPUT 453 lm - 3000K/CRI 80 - 220-230V / 7W - 555 lm ≠ OUTPUT 479 lm - 4000K/CRI 80 - 220-230V

3000K
- FA53000356.A

4000K
- FA53000256.A

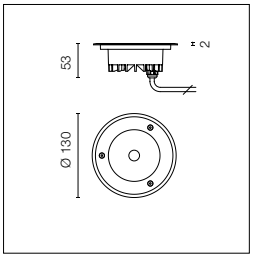


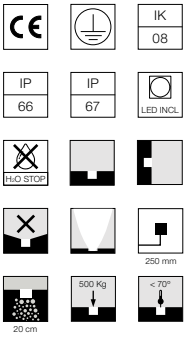


@ 4000K

A-Rise 130







Sorgente a LED inclusa a tensione di rete. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 250 mm e sistema di giunzione H2O STOP a 2 vie e 3 poli per connessione a tenuta stagna.
Vetro sabbiato.

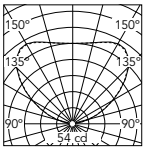
Mains voltage LED light source included. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated 2-way, 3-pole H2O STOP connection system guaranteeing the water tightness of the connection.
Frosted glass.

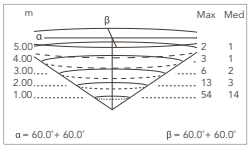
Optic Wide Flood 120°

Mid-Power Led: 4W - 380 lm ≠ OUTPUT 189 lm - 3000K/CRI 80 - 220.230V / 4W - 400 lm ≠ OUTPUT 199 lm - 4000K/CRI 80 - 220.230V

3000K
- FA53000856.A

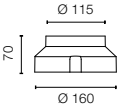
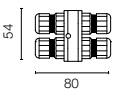
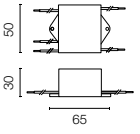
4000K
- FA53000756.A





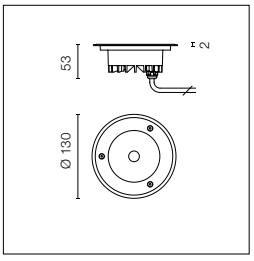
@ 4000K

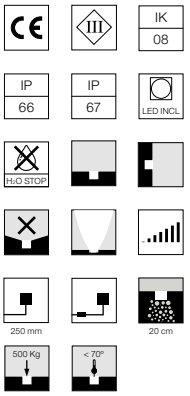
A-Rise 130: Accessori / Accessories

Scatola per incasso	Box for installation	FA50		
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

A-Rise 130 HP Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente, ON/ OFF e dimmerabile 1-10V o DALI. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 250 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro sabbiato.

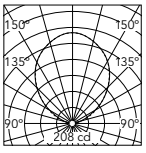
LED light source included. 24V remote electric power supply to be ordered separately, ON/OFF and adjustable light intensity from 1 to 10V or DALI. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Frosted glass.

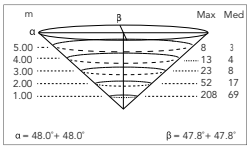
Optic Wide Flood 96°

Mid-Power Led: 7,3W - 707 lm ≠ OUTPUT 380 lm - 3000K/CRI 80 - 24Vdc / 7,3W - 734 lm ≠ OUTPUT 394 lm - 4000K/CRI 80 - 24Vdc

3000K
Dimmable
- FA53000656

4000K
Dimmable
- FA53000556





@ 4000K

* Numero massimo di apparecchi per alimentatore / Max fixtures for each power supply

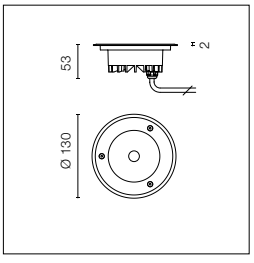
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

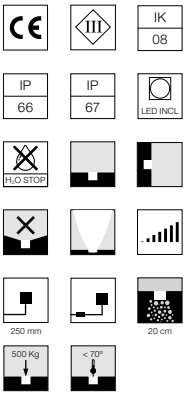
Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Acc. RF25747	1	Acc. RF25752	2
Acc. RF25757	1	Acc. F990B28A000	7
Acc. RF25750	2	Acc. F990B27A000	9
Acc. F990B21A000	2	Acc. F990B29A000	12
Acc. RF26387.A	2		

A-Rise 130 Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente, ON/ OFF e dimmerabile 1-10V o DALI. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 250 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro sabbiato.

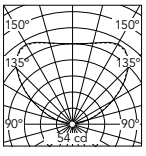
LED light source included. 24V remote electric power supply to be ordered separately, ON/OFF and adjustable light intensity from 1 to 10V or DALI. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Frosted glass.

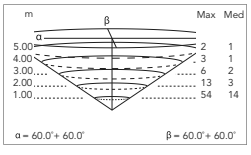
Optic Wide Flood 120°

Mid-Power Led: 4W - 360 lm ≠ OUTPUT 190 lm - 3000K/CRI 80 - 24Vdc / 4W - 380 lm ≠ OUTPUT 200 lm - 4000K/CRI 80 - 24Vdc

3000K
Dimmable
- FA53001056

4000K
Dimmable
- FA53000956





@ 4000K

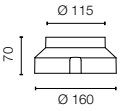
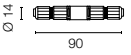
* Numero massimo di apparecchi per alimentatore / Max fixtures for each power supply

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

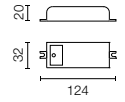
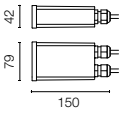
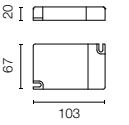
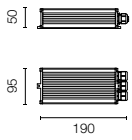
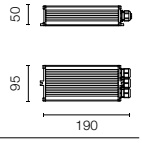
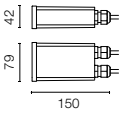
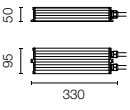
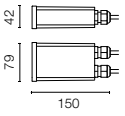
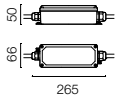
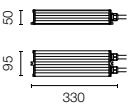
Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Acc. RF25747	2	Acc. RF25752	4
Acc. RF25757	2	Acc. F990B28A000	12
Acc. RF25750	4	Acc. F990B27A000	16
Acc. F990B21A000	4	Acc. F990B29A000	21
Acc. RF26387.A	4		

A-Rise 130 Low Voltage: Accessori / Accessories

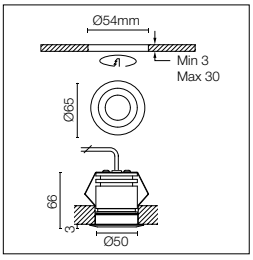
Scatola per incasso	Box for installation	FA50		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

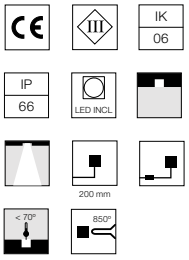
A-Rise 130 Low Voltage: Driver / Drivers

Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. page 830.		
Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.	Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.	*F990B21A000 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. page 830.		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI See Wiring Diagram n.4. page 830.		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		

A-Rise 65 Ceiling







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Completo di molle per installazione in cartongesso. Dotato di spezzone di cavo uscente in neoprene di 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

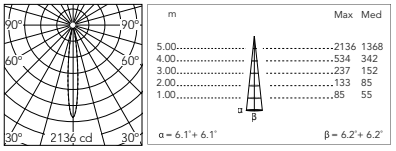
Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K
- FA51820556

3000K
- FA51800656

4000K
- FA51800556



@ 3000K

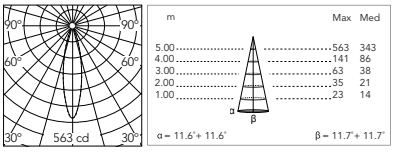
Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K
- FA51820856

3000K
- FA51800956

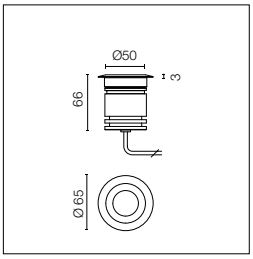
4000K
- FA51800856

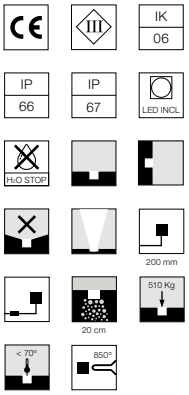


@ 3000K

A-Rise 65







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

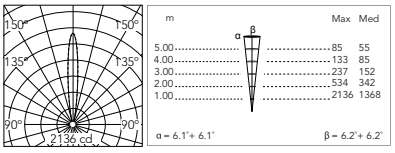
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA51820256	FA51800356	FA51800256

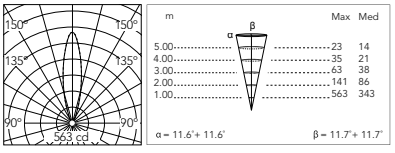


@ 3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

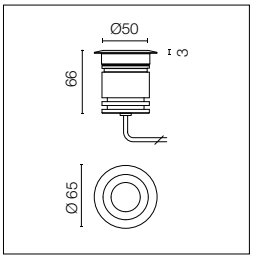
2700K	3000K	4000K
FA51821256	FA51801356	FA51801256

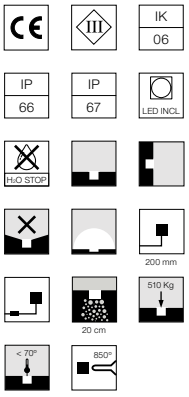


@ 3000K

A-Rise 65 Opal







Sorgente la LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato opale. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

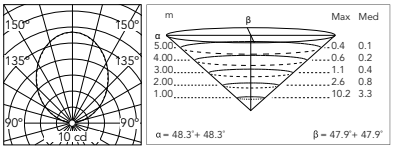
LED light source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Opal polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Wide Flood 100°

Power Led: 3,4W - 169 lm ≠ OUTPUT 20 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 22 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 24 lm - 4000K/CRI 80 - 24Vdc

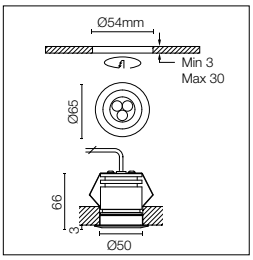
2700K	3000K	4000K
FA51823456	FA51803556	FA51803456

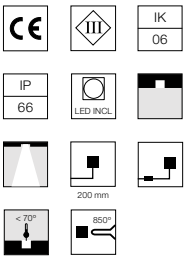


@ 4000K

A-Rise 65 HP Ceiling







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Completo di molle per installazione in cartongesso. Dotato di spezzone di cavo uscente in neoprene di 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

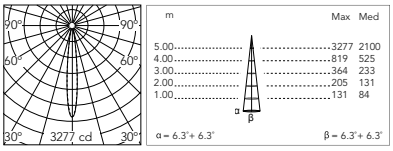
LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA51821556	FA51801656	FA51801556

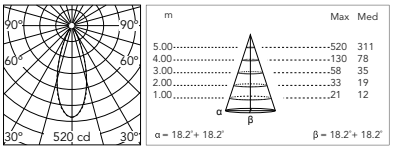


@ 3000K

Optic Medium 30°

Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

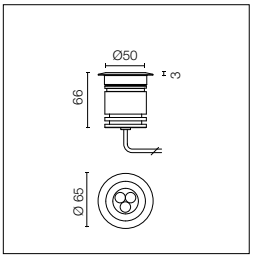
2700K	3000K	4000K
FA51822556	FA51802656	FA51802556

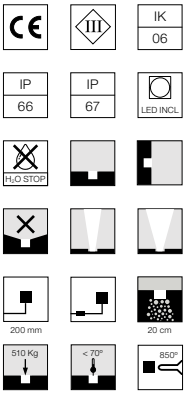


@ 3000K

A-Rise 65 HP







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

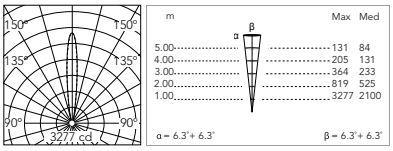
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA51822256	FA51802356	FA51802256

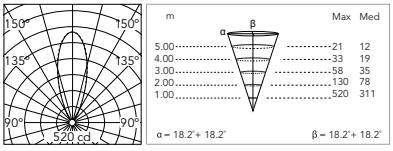


@ 3000K

Optic Medium 30°

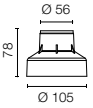
Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA51823256	FA51803356	FA51803256

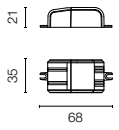
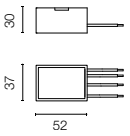
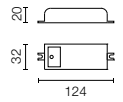
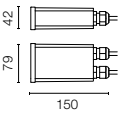
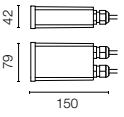
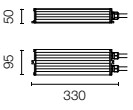
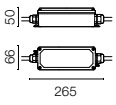


@ 3000K

A-Rise 65: Accessori / Accessories

Scatola per incasso.	Box for installation.	F004Z0K0000		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

A-Rise 65: Driver 24Vdc / Drivers 24Vdc

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350mA: 6x1W/100÷240V IP65 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350mA: 6x1W/100÷240V IP65 Class II Selv Eq.	*RF25748		
Alimentatore per installazione remota 24Vdc 10W / 110-240V IP20 Classe II selv.	Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 10W/110÷240V - 24Vdc IP67 Classe II Selv.	Power supply 10W/110÷240V - 24Vdc IP67 Class II Selv.	*RF25757		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

* Numero massimo di apparecchi per alimentatore / Max fixtures for each power supply

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

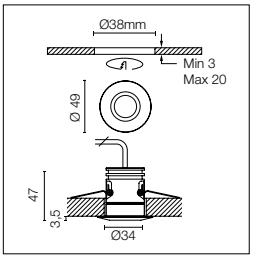
Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

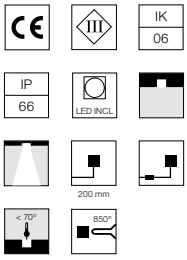
A-RISE 65	
Acc. RF25754	1
Acc. RF25748	1
Acc. RF25747	2
Acc. RF25757	2
Acc. F990B28A000	9
Acc. F990B27A000	17

A-RISE 65 HP	
Acc. RF25754	1
Acc. RF25748	1
Acc. RF25747	2
Acc. RF25757	2
Acc. F990B28A000	7
Acc. F990B27A000	14

A-Rise 49 Ceiling







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Completo di molle per installazione in cartongesso. Dotato di spezzone di cavo uscente in neoprene di 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

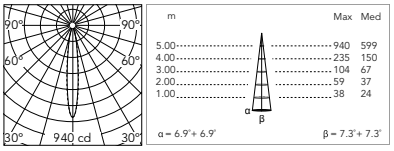
LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 15°

Power Led: 2,3W - 144 lm ≠ OUTPUT 106 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 115 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 119 lm - 4000K/CRI 80 - 12÷24Vdc

2700K	3000K	4000K
FA51711556	FA51711356	FA51711256

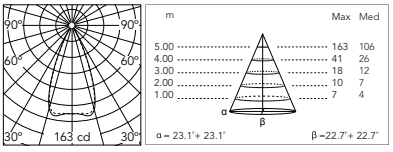


@ 3000K

Optic Medium 45°

Power Led: 2,3W - 144 lm ≠ OUTPUT 97 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 105 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 109 lm - 4000K/CRI 80 - 12÷24Vdc

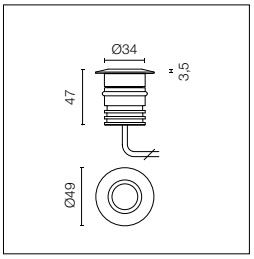
2700K	3000K	4000K
FA51712556	FA51712356	FA51712256

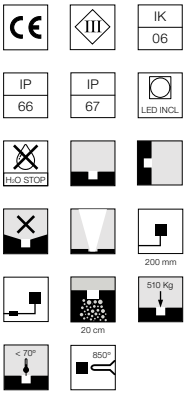


@ 3000K

A-Rise 49







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna.
Diffusore policarbonato trasparente.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

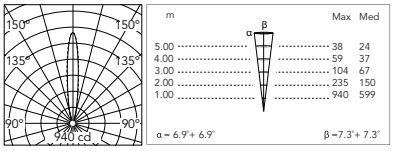
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 15°

Power Led: 2,3W - 144 lm ≠ OUTPUT 106 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 115 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 119 lm - 4000K/CRI 80 - 12÷24Vdc

2700K	3000K	4000K
FA51700556	FA51700356	FA51700256

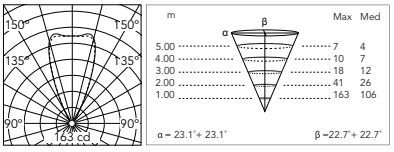


@ 3000K

Optic Medium 45°

Power Led: 2,3W - 144 lm ≠ OUTPUT 97 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 105 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 109 lm - 4000K/CRI 80 - 12÷24Vdc

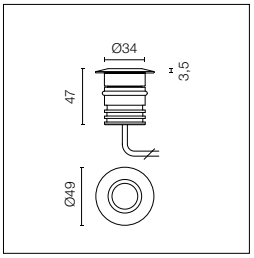
2700K	3000K	4000K
FA51701656	FA51701356	FA51701256

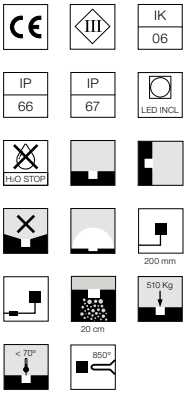


@ 3000K

A-Rise 49 Opal







Sorgente la LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna.
Diffusore policarbonato opale.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

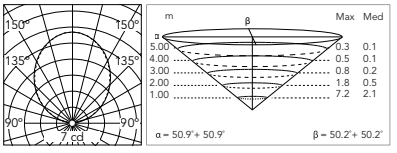
LED light source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Opal polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

Optic Wide Flood 100°

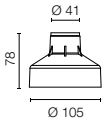
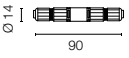
Power Led: 2,3W - 139 lm ≠ OUTPUT 16 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 149 lm ≠ OUTPUT 17 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 162 lm ≠ OUTPUT 18 lm - 4000K/CRI 80 - 12÷24Vdc

2700K	3000K	4000K
FA51701756	FA51701556	FA51701456

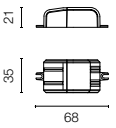
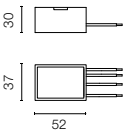
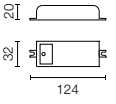
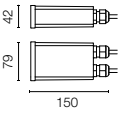
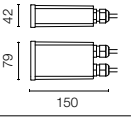
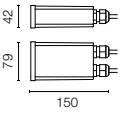
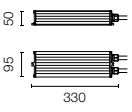
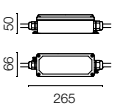


@ 4000K

A-Rise 49: Accessori / Accessories

Scatola per incasso.	Box for installation.	F004Z0J0000		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

A-Rise 49: Driver / Drivers 24Vdc

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350mA: 6x1W/100÷240V IP65 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350mA: 6x1W/100÷240V IP65 Class II Selv Eq.	*RF25748		
Alimentatore per installazione remota 24Vdc 10W / 110-240V IP20 Classe II selv.	Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 10W/110÷240V - 24Vdc IP67 Classe II Selv.	Power supply 10W/110÷240V - 24Vdc IP67 Class II Selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

* Numero massimo di apparecchi per alimentatore / Max fixtures for each power supply

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Acc. RF25754	1	Acc. RF25752	5
Acc. RF25748	1	Acc. F990B28A000	14
Acc. RF25747	4	Acc. F990B27A000	29
Acc. RF25757	4		

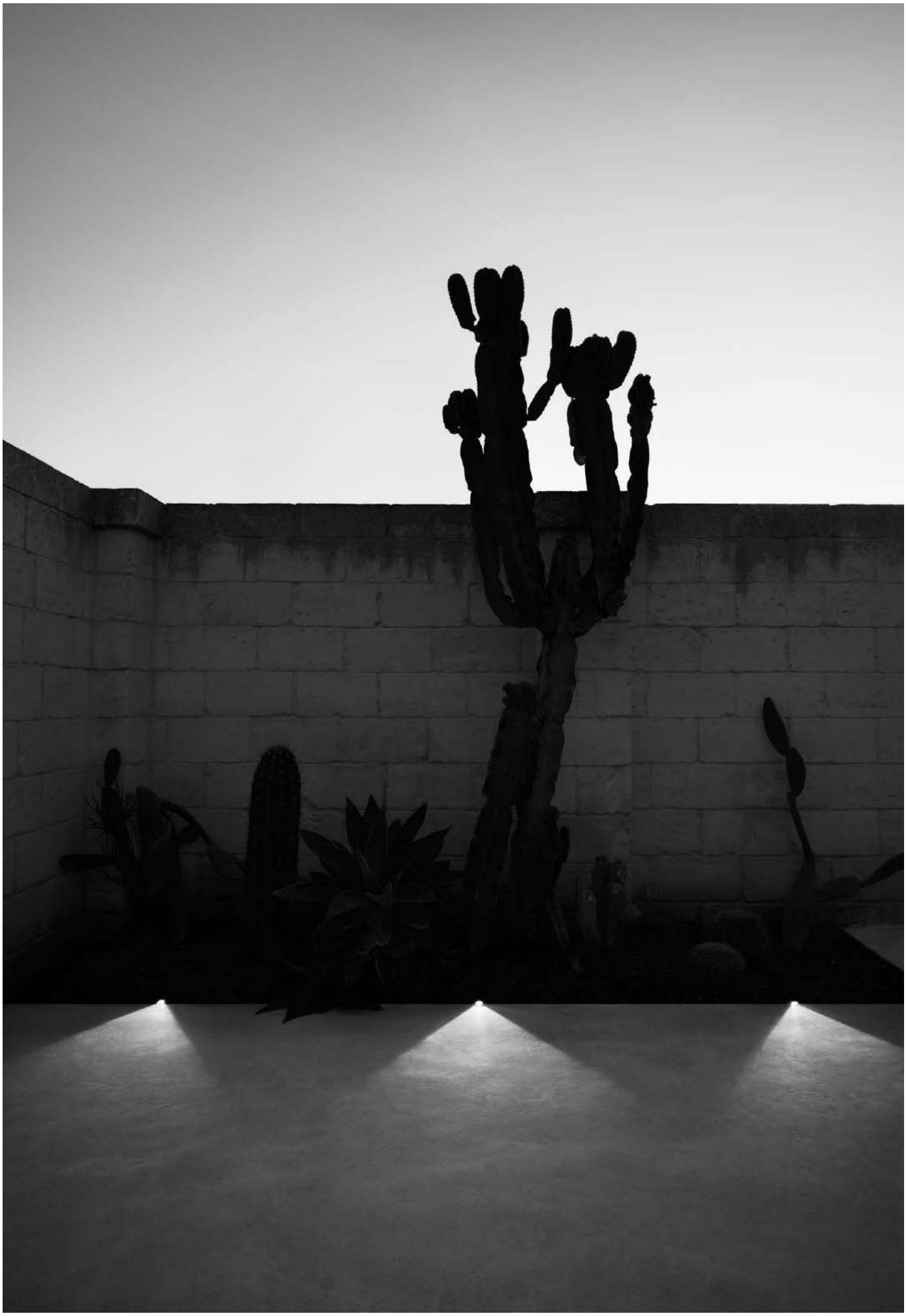
Gobi



Gobi







Famiglia / Family

Gobi 180



Power Led
up to 12W
up to 256 lm - 2700K/CRI 80
up to 276 lm - 3000K/CRI 80
up to 296 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Gobi 130



Power Led
up to 7W
up to 140 lm - 2700K/CRI 80
up to 152 lm - 3000K/CRI 80
up to 164 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Gobi 65



Power Led
up to 3,4W
up to 60 lm - 2700K/CRI 80
up to 64 lm - 3000K/CRI 80
up to 72 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Gobi 65 Wall Path



Power Led
up to 3,4W
up to 47 lm - 2700K/CRI 80
up to 50 lm - 3000K/CRI 80
up to 54 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Gobi 49



Power Led
up to 2,3W
up to 40 lm - 2700K/CRI 80
up to 44 lm - 3000K/CRI 80
up to 48 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Gobi 49 Wall Path



Power Led
up to 2,3W
up to 36 lm - 2700K/CRI 80
up to 39 lm - 3000K/CRI 80
up to 42 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



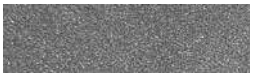
18 Deep Brown



30 Black



33 Anthracite



56 Matt Stainless Steel*

* Solo per versioni Gobi 65 e Gobi 49. / Only for Gobi 65 and Gobi 49 versions.

Famiglia completa di apparecchi segnapasso ad incasso a pavimento con sorgente luminosa a LED ad emissione radente. Disponibili in differenti tagli dimensionali e molteplici fasci di apertura direzionati. Le viterie di fissaggio sono in acciaio inox AISI 316L. L'installazione richiede una cassaforma da incasso da ordinare separatamente. È necessario garantire un livello adeguato di materiale drenante sotto la cassaforma o fornire un sistema di scarico per evitare il ristagno di acqua. Per garantire la tenuta del pressacavo è necessario utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

Gobi
Apparecchio ad incasso a terra calpestabile e carrabile, disponibile in due dimensioni di diametro e in tre fasci di apertura: monodirezionale, bidirezionale e omnidirezionale. La posizione parallela della sorgente luminosa alla superficie di appoggio permette di sfruttare al massimo la componente diretta dell'emissione luminosa. Corpo dell'apparecchio e dissipatore realizzato in alluminio pressofuso EN AB-47100 a basso contenuto di rame, rivestito con doppio strato di vernice ad alta resistenza alla corrosione. Vetro borosilicato trasparente. L'apparecchio è dotato di un connettore a vite M12 a tenuta stagna che fornisce isolamento ottimale contro la penetrazione di acqua e rapido collegamento con l'unità di cablaggio. Nella versione a 230V l'alimentatore è in dotazione con l'apparecchio come un kit IP66/67 remoto da alloggiare nella cassaforma da incasso, nella versione a 24V dc è provvisto di uno spezzone di cavo con connettore a vite per il collegamento elettrico all'alimentatore remoto. Disponibili due versioni di casseforme, la versione standard in materiale plastico e la versione in metallo ad alta resistenza per aree ad alto flusso veicolare.

Gobi 49 / Gobi 65
Apparecchi ad incasso a terra calpestabili, disponibili in due dimensioni di diametro e in quattro fasci di apertura: un fascio, due fasci, tre fasci e quattro fasci. Corpo dell'apparecchio in alluminio tornito lega EN AW 6060 con trattamento di anodizzazione ad alta resistenza alla corrosione. Cover esterna in acciaio inox AISI 316L pallinato. Diffusore in policarbonato trasparente. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Gobi 49 Wall / Gobi 65 Wall
Apparecchi ad incasso a parete segnapasso, disponibili in due dimensioni di diametro e con fascio di apertura 180° direzionato verso il pavimento. Corpo dell'apparecchio in alluminio tornito lega EN AW 6060 con trattamento di anodizzazione ad alta resistenza alla corrosione. Cover esterna in acciaio inox AISI 316L pallinato. Diffusore in policarbonato trasparente. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Complete family of ground-recessed path lights, with flush-emitting LED source. Available in different dimensions and several adjustable beam angles. The fixing screws are made of AISI 316L stainless steel. Requires a specific junction box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

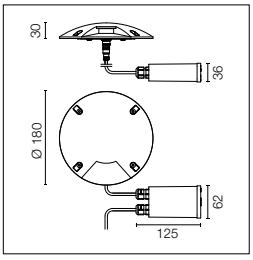
Gobi
Ground recessed and walk-over luminaire, available in two different diameters and three beam angles: monodirectional, bidirectional and omindirectional. The position of the light source, parallel to the supporting surface, allows the direct component of the light emission to be exploited to the maximum. EN AB-47100 die-cast aluminium body (with low copper content), coated with a double layer of highly corrosion-resistant paint. Transparent borosilicate glass. Equipped with an M12 screw-on connector that prevents water infiltration and guarantees a quick connection to the wiring unit. 230V versions include the power supply unit and a remote IP66/67 kit to be installed in the junction box for recessing. The 24 V dc version is equipped with a cable and a screw connector for the connection to the remote power supply. The junction box is available in two versions: the standard version made of plastic and the heavy duty metal version, suitable for areas with high vehicular flow.

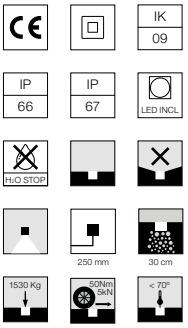
Gobi 49 / Gobi 65
Ground recessed and walk-over luminaire, available in two different diameters and four beam angles: one beam, two beams, three beams and four beams. Structure in turned aluminium, EN AW 6060 alloy, with an anodized treatment for better resistance to corrosion. The external structure is covered in AISI 316L shot-blasted stainless steel. Transparent polycarbonate diffuser. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

Gobi 49 Wall / Gobi 65 Wall
Wall-recessed path light, available in two different diameters and with a 180º beam angle directed towards the floor. Structure in turned aluminium, EN AW 6060 alloy, with an anodized treatment for better resistance to corrosion. The external structure is covered in AISI 316L shot-blasted stainless steel. Transparent polycarbonate diffuser. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

Gobi 180 Mono







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

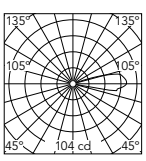
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

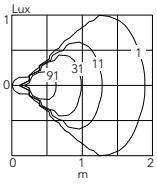
2200K available on request.

Power Led: 5W - 233 lm ≠ OUTPUT 64 lm - 2700K/CRI 80- 220÷240V / 5W - 250 lm ≠ OUTPUT 69 lm - 3000K/CRI 80 - 220÷240V / 5W - 266 lm ≠ OUTPUT 74 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA53504701	○ FA53501201	○ FA53501101
● FA53504706	● FA53501206	● FA53501106
● FA53504712	● FA53501212	● FA53501112
● FA53504718	● FA53501218	● FA53501118
● FA53504730	● FA53501230	● FA53501130
● FA53504733	● FA53501233	● FA53501133

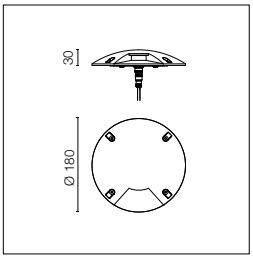


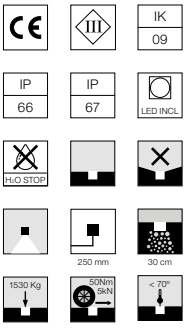
@ 4000K



Gobi 180 Mono Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

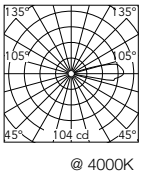
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

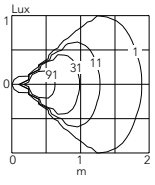
2200K available on request.

Power Led: 3,4W - 233 lm ≠ OUTPUT 64 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 250 lm ≠ OUTPUT 69 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 266 lm ≠ OUTPUT 74 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53504801	○ FA53503001	○ FA53502901
● FA53504806	● FA53503006	● FA53502906
● FA53504812	● FA53503012	● FA53502912
● FA53504818	● FA53503018	● FA53502918
● FA53504830	● FA53503030	● FA53502930
● FA53504833	● FA53503033	● FA53502933



@ 4000K



* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

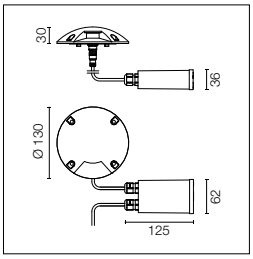
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

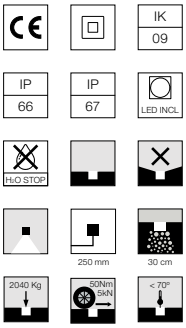
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	3
Acc. F990B28A000	8
Acc. F990B27A000	16

Gobi 130 Mono







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

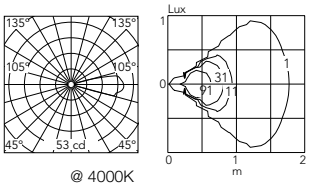
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 4W - 129 lm ≠ OUTPUT 35 lm - 2700K/CRI 80 - 220÷240V / 4W - 139 lm ≠ OUTPUT 38 lm - 3000K/CRI 80 - 220÷240V / 4W - 148 lm ≠ OUTPUT 41 lm - 4000K/CRI 80 - 220÷240V

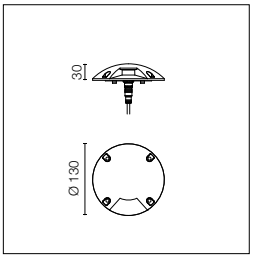
2700K	3000K	4000K
○ FA53504101	○ FA53500301	○ FA53500201
● FA53504106	● FA53500306	● FA53500206
● FA53504112	● FA53500312	● FA53500212
● FA53504118	● FA53500318	● FA53500218
● FA53504130	● FA53500330	● FA53500230
● FA53504133	● FA53500333	● FA53500233

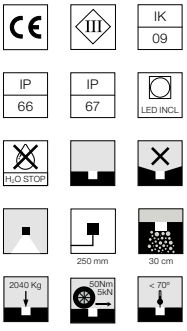


@ 4000K

Gobi 130 Mono Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

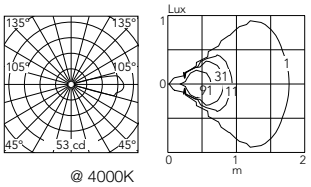
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

2200K available on request.

Power Led: 1,9W - 129 lm ≠ OUTPUT 35 lm - 2700K/CRI 80 - 24Vdc / 1,9W - 139 lm ≠ OUTPUT 38 lm - 3000K/CRI 80 - 24Vdc / 1,9W - 148 lm ≠ OUTPUT 41 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53504201	○ FA53502101	○ FA53502001
● FA53504206	● FA53502106	● FA53502006
● FA53504212	● FA53502112	● FA53502012
● FA53504218	● FA53502118	● FA53502018
● FA53504230	● FA53502130	● FA53502030
● FA53504233	● FA53502133	● FA53502033



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

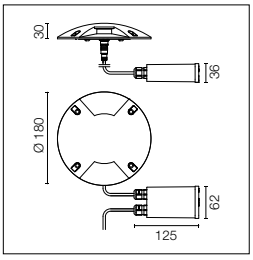
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

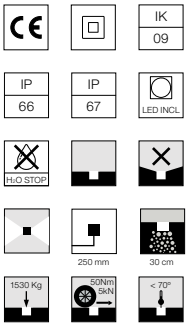
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	5
Acc. F990B28A000	16
Acc. F990B27A000	33

Gobi 180 Double







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

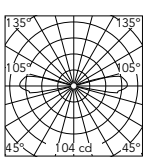
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

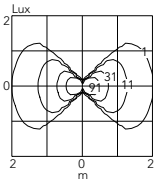
2200K available on request.

Power Led: 7W - 2x233 lm ≠ OUTPUT 2x64 lm - 2700K/CRI 80 - 220÷240V / 7W - 2x250 lm ≠ OUTPUT 2x69 lm - 3000K/CRI 80 - 220÷240V / 7W - 2x266 lm ≠ OUTPUT 2x74 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA53504901	○ FA53501501	○ FA53501401
● FA53504906	● FA53501506	● FA53501406
● FA53504912	● FA53501512	● FA53501412
● FA53504918	● FA53501518	● FA53501418
● FA53504930	● FA53501530	● FA53501430
● FA53504933	● FA53501533	● FA53501433

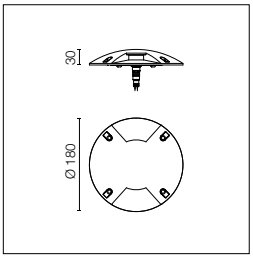


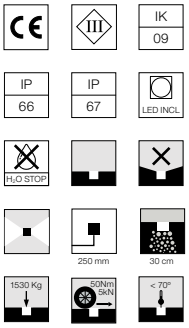
@ 4000K



Gobi 180 Double Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

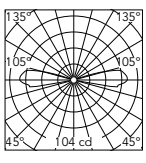
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

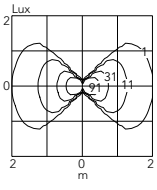
2200K available on request.

Power Led: 6,4W - 2x233 lm ≠ OUTPUT 2x64 lm - 2700K/CRI 80 - 24Vdc / 6,4W - 2x250 lm ≠ OUTPUT 2x69 lm - 3000K/CRI 80 - 24Vdc / 6,4W - 2x266 lm ≠ OUTPUT 2x74 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53505001	○ FA53503301	○ FA53503201
● FA53505006	● FA53503306	● FA53503206
● FA53505012	● FA53503312	● FA53503212
● FA53505018	● FA53503318	● FA53503218
● FA53505030	● FA53503330	● FA53503230
● FA53505033	● FA53503333	● FA53503233



@ 4000K



* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

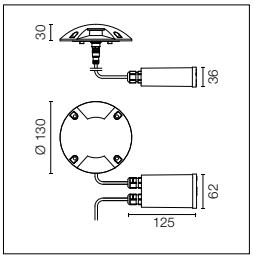
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

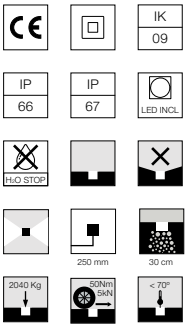
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	2
Acc. F990B28A000	5
Acc. F990B27A000	8

Gobi 130 Double







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

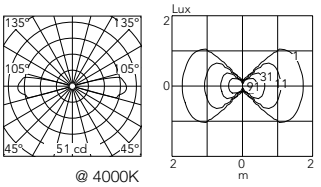
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 5W - 2x129 lm ≠ OUTPUT 2x35 lm - 2700K/CRI 80 - 220÷240V / 5W - 2x139 lm ≠ OUTPUT 2x38 lm - 3000K/CRI 80 - 220÷240V / 5W - 2x148 lm ≠ OUTPUT 2x41 lm - 4000K/CRI 80 - 220÷240V

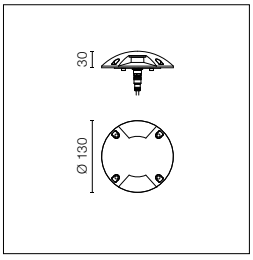
2700K	3000K	4000K
○ FA53504301	○ FA53500601	○ FA53500501
● FA53504306	● FA53500606	● FA53500506
● FA53504312	● FA53500612	● FA53500512
● FA53504318	● FA53500618	● FA53500518
● FA53504330	● FA53500630	● FA53500530
● FA53504333	● FA53500633	● FA53500533

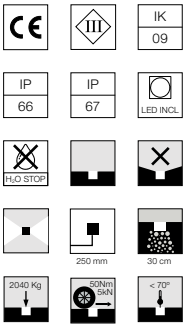


@ 4000K

Gobi 130 Double Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

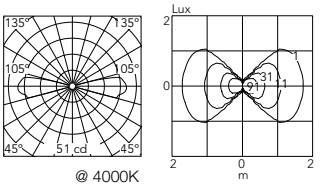
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

2200K available on request.

Power Led: 3,5W - 2x129 lm ≠ OUTPUT 2x35 lm - 2700K/CRI 80 - 24Vdc / 3,5W - 2x139 lm ≠ OUTPUT 2x38 lm - 3000K/CRI 80 - 24Vdc / 3,5W - 2x148 lm ≠ OUTPUT 2x41 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53504401	○ FA53502401	○ FA53502301
● FA53504406	● FA53502406	● FA53502306
● FA53504412	● FA53502412	● FA53502312
● FA53504418	● FA53502418	● FA53502318
● FA53504430	● FA53502430	● FA53502330
● FA53504433	● FA53502433	● FA53502333



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

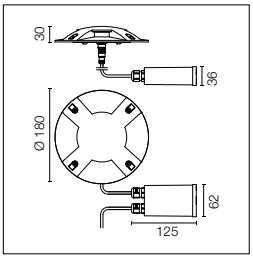
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

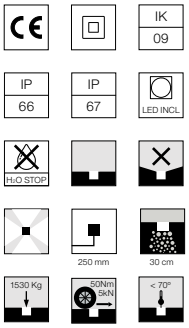
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	2
Acc. F990B28A000	10
Acc. F990B27A000	19

Gobi 180 Multi







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

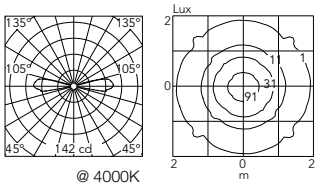
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 12W - 4x233 lm ≠ OUTPUT 4x64 lm - 2700K/CRI 80 - 220÷240V / 12W - 4x250 lm ≠ OUTPUT 4x69 lm - 3000K/CRI 80 - 220÷240V / 12W - 4x266 lm ≠ OUTPUT 4x74 lm - 4000K/CRI 80 - 220÷240V

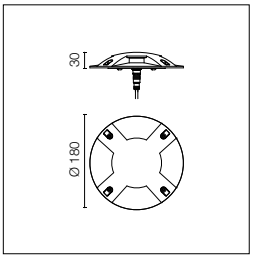
2700K	3000K	4000K
○ FA53505101	○ FA53501801	○ FA53501701
● FA53505106	● FA53501806	● FA53501706
● FA53505112	● FA53501812	● FA53501712
● FA53505118	● FA53501818	● FA53501718
● FA53505130	● FA53501830	● FA53501730
● FA53505133	● FA53501833	● FA53501733

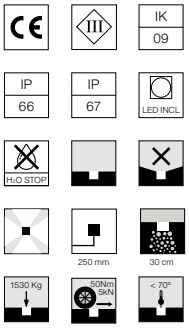


@ 4000K

Gobi 180 Multi Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

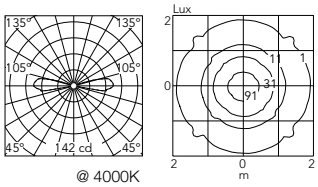
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

2200K available on request.

Power Led: 11,2W - 4x233 lm ≠ OUTPUT 4x64 lm - 2700K/CRI 80 - 24Vdc / 11,2W - 4x250 lm ≠ OUTPUT 4x69 lm - 3000K/CRI 80 - 24Vdc / 11,2W - 4x266 lm ≠ OUTPUT 4x74 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53505201	○ FA53503601	○ FA53503501
● FA53505206	● FA53503606	● FA53503506
● FA53505212	● FA53503612	● FA53503512
● FA53505218	● FA53503618	● FA53503518
● FA53505230	● FA53503630	● FA53503530
● FA53505233	● FA53503633	● FA53503533



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

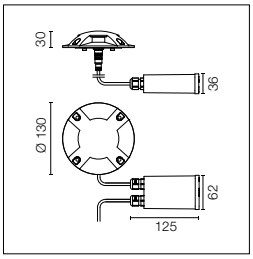
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

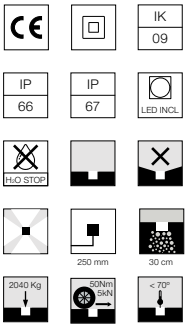
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	1
Acc. F990B28A000	3
Acc. F990B27A000	6

Gobi 130 Multi







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Necessaria cassaforma da ordinare separatamente. Alimentatore dotato di spezzone di cavo di 400mm con connettore a vite M12 a tenuta stagna verso l'apparecchio e spezzone di cavo di 300mm per collegamento alla linea elettrica. Versione dimmerabile a richiesta.

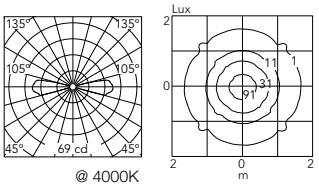
2200K disponibile su richiesta.

LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 7W - 4x129 lm ≠ OUTPUT 4x35 lm - 2700K/CRI 80 - 220÷240V / 7W - 4x139 lm ≠ OUTPUT 4x38 lm - 3000K/CRI 80 - 220÷240V / 7W - 4x148 lm ≠ OUTPUT 4x41 lm - 4000K/CRI 80 - 220÷240V

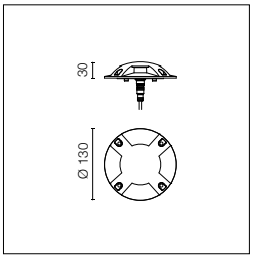
2700K	3000K	4000K
○ FA53504501	○ FA53500901	○ FA53500801
● FA53504506	● FA53500906	● FA53500806
● FA53504512	● FA53500912	● FA53500812
● FA53504518	● FA53500918	● FA53500818
● FA53504530	● FA53500930	● FA53500830
● FA53504533	● FA53500933	● FA53500833

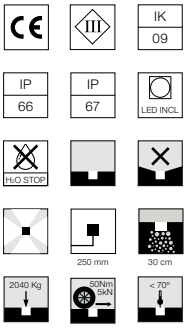


@ 4000K

Gobi 130 Multi Low Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24Vdc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo 250mm con connettore a vite M12 a tenuta stagna. Accessori opzionali: cavo 5000mm e cavo splitter 300mm con connettori M12 per installazioni multiple.

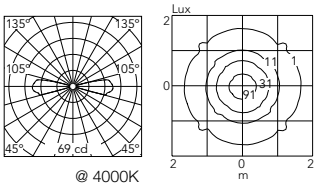
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

2200K available on request.

Power Led: 5,8W - 4x129 lm ≠ OUTPUT 4x35 lm - 2700K/CRI 80 - 24Vdc / 5,8W - 4x139 lm ≠ OUTPUT 4x38 lm - 3000K/CRI 80 - 24Vdc / 5,8W - 4x148 lm ≠ OUTPUT 4x41 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA53504601	○ FA53502701	○ FA53502601
● FA53504606	● FA53502706	● FA53502606
● FA53504612	● FA53502712	● FA53502612
● FA53504618	● FA53502718	● FA53502618
● FA53504630	● FA53502730	● FA53502630
● FA53504633	● FA53502733	● FA53502633



@ 4000K

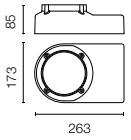
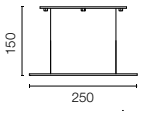
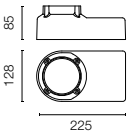
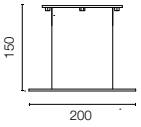
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

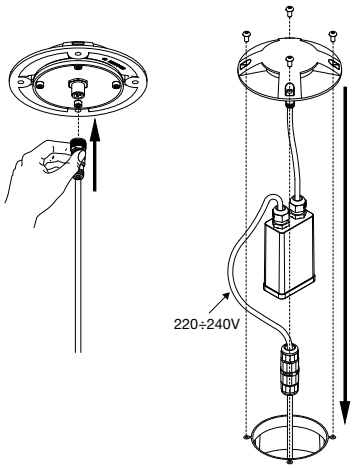
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	1
Acc. F990B28A000	7
Acc. F990B27A000	12

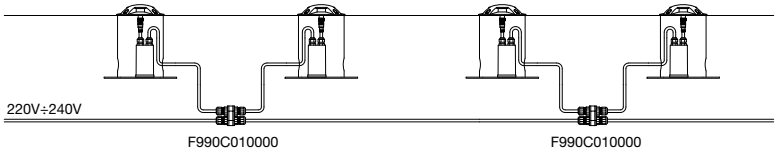
Gobi: Accessori / Accessories

Scatola per incasso.	Box for installation.	Gobi 180 FA194		
Base di fissaggio a terra ad alta resistenza	High resistance in-ground box for installation	Gobi 180 FA195		
Scatola per incasso.	Box for installation.	Gobi 130 FA192		
Base di fissaggio a terra ad alta resistenza	High resistance in-ground box for installation	Gobi 130 FA193		

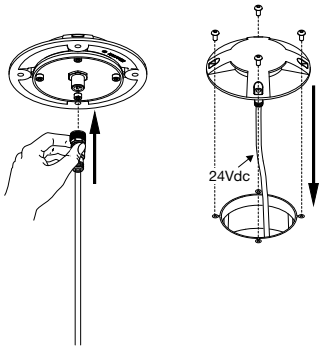
Gobi 130/180 220÷240V version - Wiring Installation



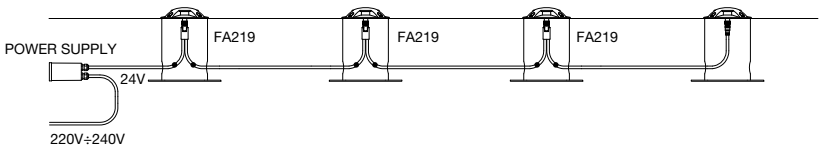
Example of installation



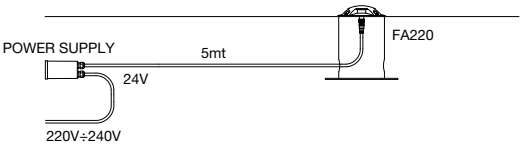
Gobi 130/180 24Vdc version - Wiring Installation



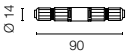
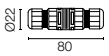
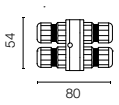
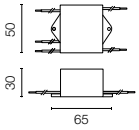
Example of installation 1



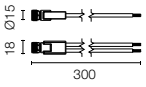
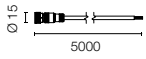
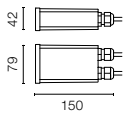
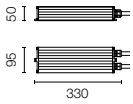
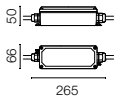
Example of installation 2



Gobi: Driver/ Drivers

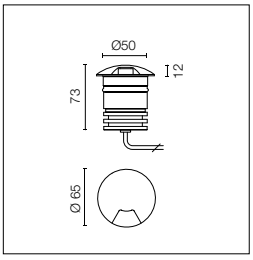
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H2O Stop.	F990C00A000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Dispositivo di protezione per il sovraccarico. 240 Vac. Corrente massima di scarica 10KA (8/29us). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

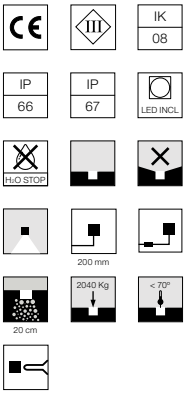
Gobi Low Voltage: Driver/ Drivers

Connettore splitter m12.	Splitter m12 connector.	FA219		
Connettore singolo m12 L.5.000mm.	M12 single connector L.5.000mm.	FA220		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Gobi 65 Mono







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 3,4W - 169 lm ≠ OUTPUT 15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 18 lm - 4000K/CRI 80 - 24Vdc

2700K

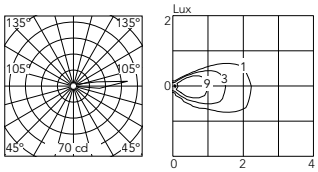
- ○ FA51824201
- FA51824206
- FA51824212
- FA51824218
- FA51824230
- FA51824233
- FA51824256

3000K

- ○ FA51804301
- FA51804306
- FA51804312
- FA51804318
- FA51804330
- FA51804333
- FA51804356

4000K

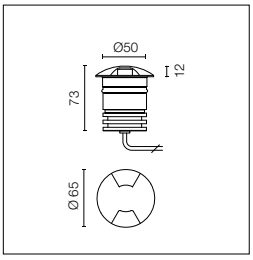
- ○ FA51804201
- FA51804206
- FA51804212
- FA51804218
- FA51804230
- FA51804233
- FA51804256

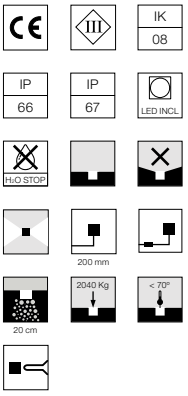


@ 4000K

Gobi 65 Double







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 3,4W - 2x169 lm ≠ OUTPUT 2x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 2x182 lm ≠ OUTPUT 2x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 2x198 lm ≠ OUTPUT 2x18 lm - 4000K/CRI 80 - 24Vdc

2700K

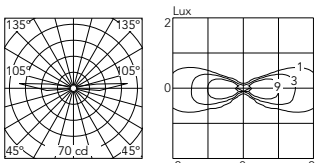
- ○ FA51825201
- FA51825206
- FA51825212
- FA51825218
- FA51825230
- FA51825233
- FA51825256

3000K

- ○ FA51805301
- FA51805306
- FA51805312
- FA51805318
- FA51805330
- FA51805333
- FA51805356

4000K

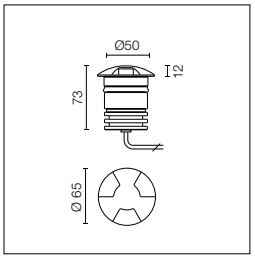
- ○ FA51805201
- FA51805206
- FA51805212
- FA51805218
- FA51805230
- FA51805233
- FA51805256

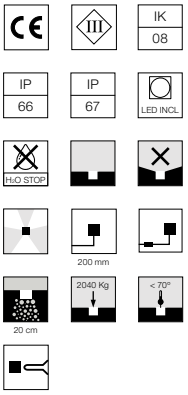


@ 4000K

Gobi 65 Triple







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

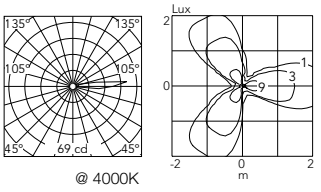
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 3,4W - 3x169 lm ≠ OUTPUT 3x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 3x182 lm ≠ OUTPUT 3x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 3x198 lm ≠ OUTPUT 3x18 lm - 4000K/CRI 80 - 24Vdc

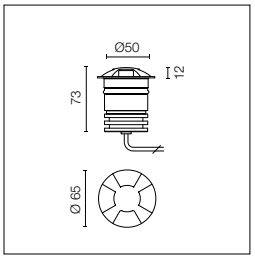
2700K	3000K	4000K
FA51826201	FA51806301	FA51806201
FA51826206	FA51806306	FA51806206
FA51826212	FA51806312	FA51806212
FA51826218	FA51806318	FA51806218
FA51826230	FA51806330	FA51806230
FA51826233	FA51806333	FA51806233
FA51826256	FA51806356	FA51806256

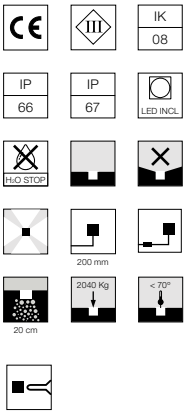


@ 4000K

Gobi 65 Multi







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

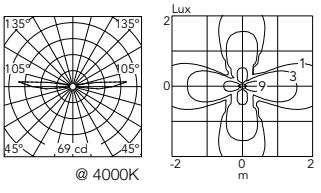
2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

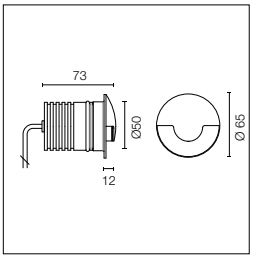
Power Led: 3,4W - 4x169 lm ≠ OUTPUT 4x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 4x182 lm ≠ OUTPUT 4x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 4x198 lm ≠ OUTPUT 4x18 lm - 4000K/CRI 80 - 24Vdc

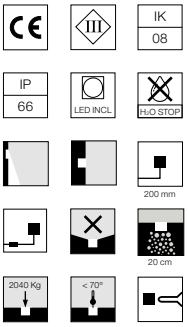
2700K	3000K	4000K
FA51827201	FA51807301	FA51807201
FA51827206	FA51807306	FA51807206
FA51827212	FA51807312	FA51807212
FA51827218	FA51807318	FA51807218
FA51827230	FA51807330	FA51807230
FA51827233	FA51807333	FA51807233
FA51827256	FA51807356	FA51807256



@ 4000K







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 3,4W - 169 lm ≠ OUTPUT 47 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 50 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 54 lm - 4000K/CRI 80 - 24Vdc

2700K

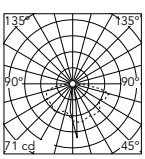
- FA51828201
- FA51828206
- FA51828212
- FA51828218
- FA51828230
- FA51828233
- FA51828256

3000K

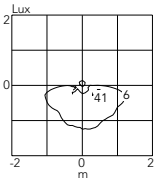
- FA51808301
- FA51808306
- FA51808312
- FA51808318
- FA51808330
- FA51808333
- FA51808356

4000K

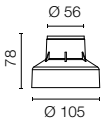
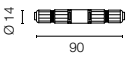
- FA51808201
- FA51808206
- FA51808212
- FA51808218
- FA51808230
- FA51808233
- FA51808256



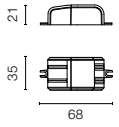
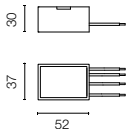
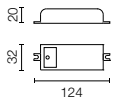
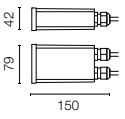
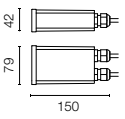
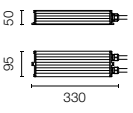
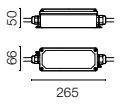
@ 4000K



Gobi 65: Accessori / Accessories

Scatola per incasso	Box for installation	F004Z0K0000		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

Gobi 65: Driver/ Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

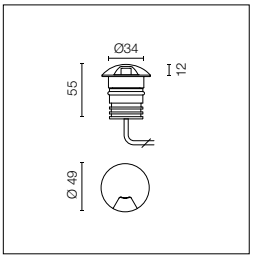
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

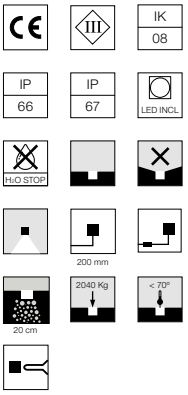
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	3
Acc. RF25748	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17
Acc. RF25757	2		

Gobi 49 Mono







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 2,3W - 139 lm ≠ OUTPUT 10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 149 lm ≠ OUTPUT 11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 162 lm ≠ OUTPUT 12 lm - 4000K/CRI 80 -24Vdc

2700K

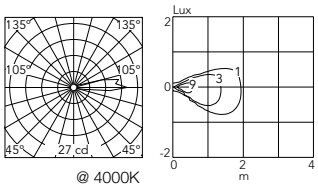
- ○ FA51702501
- ● FA51702506
- ● FA51702512
- ● FA51702518
- ● FA51702530
- ● FA51702533
- ◐ FA51702556

3000K

- ○ FA51702301
- ● FA51702306
- ● FA51702312
- ● FA51702318
- ● FA51702330
- ● FA51702333
- ◐ FA51702356

4000K

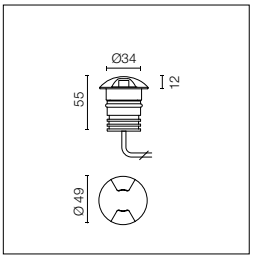
- ○ FA51702201
- ● FA51702206
- ● FA51702212
- ● FA51702218
- ● FA51702230
- ● FA51702233
- ◐ FA51702256

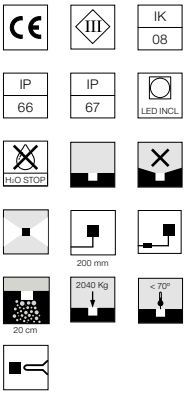


@ 4000K

Gobi 49 Double







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 2,3W - 2x139 lm ≠ OUTPUT 2x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 2x149 lm ≠ OUTPUT 2x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 2x162 lm ≠ OUTPUT 2x12 lm - 4000K/CRI 80 -24Vdc

2700K

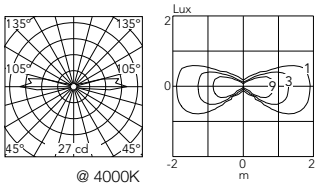
- ○ FA51703501
- ● FA51703506
- ● FA51703512
- ● FA51703518
- ● FA51703530
- ● FA51703533
- ◐ FA51703556

3000K

- ○ FA51703301
- ● FA51703306
- ● FA51703312
- ● FA51703318
- ● FA51703330
- ● FA51703333
- ◐ FA51703356

4000K

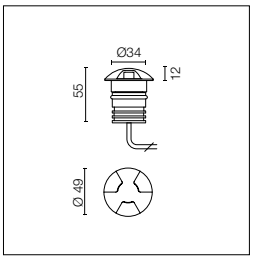
- ○ FA51703201
- ● FA51703206
- ● FA51703212
- ● FA51703218
- ● FA51703230
- ● FA51703233
- ◐ FA51703256

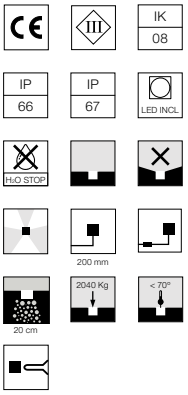


@ 4000K

Gobi 49 Triple







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 2,3W - 3x139 lm ≠ OUTPUT 3x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 3x149 lm ≠ OUTPUT 3x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 3x162 lm ≠ OUTPUT 3x12 lm - 4000K/CRI 80 -24Vdc

2700K

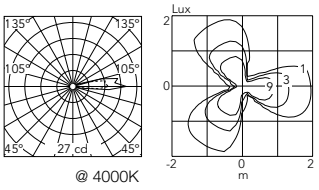
- ○ FA51704501
- FA51704506
- FA51704512
- FA51704518
- FA51704530
- FA51704533
- FA51704556

3000K

- ○ FA51704301
- FA51704306
- FA51704312
- FA51704318
- FA51704330
- FA51704333
- FA51704356

4000K

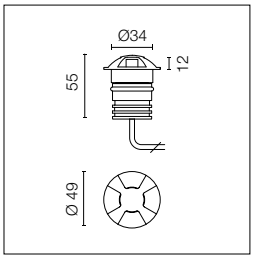
- ○ FA51704201
- FA51704206
- FA51704212
- FA51704218
- FA51704230
- FA51704233
- FA51704256

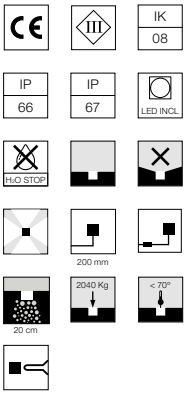


@ 4000K

Gobi 49 Multi







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 2,3W - 4x139 lm ≠ OUTPUT 4x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 4x149 lm ≠ OUTPUT 4x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 4x162 lm ≠ OUTPUT 4x12 lm - 4000K/CRI 80 -24Vdc

2700K

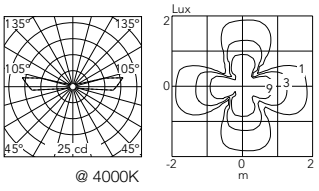
- ○ FA51705501
- FA51705506
- FA51705512
- FA51705518
- FA51705530
- FA51705533
- FA51705556

3000K

- ○ FA51705301
- FA51705306
- FA51705312
- FA51705318
- FA51705330
- FA51705333
- FA51705356

4000K

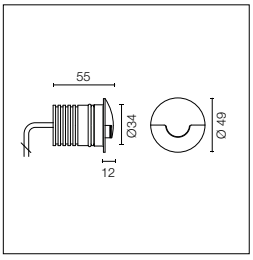
- ○ FA51705201
- FA51705206
- FA51705212
- FA51705218
- FA51705230
- FA51705233
- FA51705256

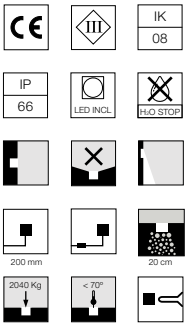


@ 4000K

Gobi 49 Wall Path







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Power Led: 2,3W - 139 lm ≠ OUTPUT 36 lm - 2700K/CRI 80 -24Vdc / 2,3W - 149 lm ≠ OUTPUT 39 lm - 3000K/CRI 80 -24Vdc / 2,3W - 162 lm ≠ OUTPUT 42 lm - 4000K/CRI 80 -24Vdc

2700K

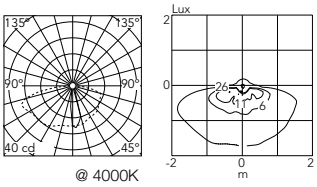
- FA51706501
- FA51706506
- FA51706512
- FA51706518
- FA51706530
- FA51706533
- FA51706556

3000K

- FA51706301
- FA51706306
- FA51706312
- FA51706318
- FA51706330
- FA51706333
- FA51706356

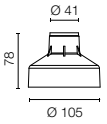
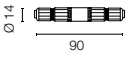
4000K

- FA51706201
- FA51706206
- FA51706212
- FA51706218
- FA51706230
- FA51706233
- FA51706256

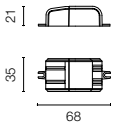
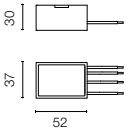
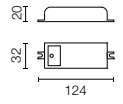
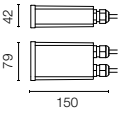
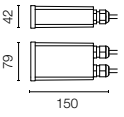
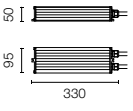
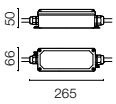


@ 4000K

Gobi 49: Accessori / Accessories

Scatola per incasso	Box for installation	F004Z0J0000		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

Gobi 49: Driver/ Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	5
Acc. RF25748	1	Acc. F990B28A000	14
Acc. RF25747	4	Acc. F990B27A000	29
Acc. RF25757	4		

C-Me







C-Me



Famiglia / Family

C-Me Round 40



Power Led
up to 2,3W
up to 111 lm - 2700K/CRI 80
up to 121 lm - 3000K/CRI 80
up to 125 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

C-Me Round 70



Power Led
up to 5,9W
up to 359 lm - 2700K/CRI 80
up to 389 lm - 3000K/CRI 80
up to 404 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

RGB - Power Led
up to 3,4W
3CH x 350mA

C-Me Square 40



Power Led
up to 2,3W
up to 111 lm - 2700K/CRI 80
up to 121 lm - 3000K/CRI 80
up to 125 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

C-Me Square 70 / RGB



Power Led
up to 5,9W
up to 359 lm - 2700K/CRI 80
up to 389 lm - 3000K/CRI 80
up to 404 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

RGB - Power Led
up to 3,4W
3CH x 350mA

C-Me Opal Round 40



Mid - Power Led
up to 0,3W
up to 22 lm - 2700K/CRI 80
up to 23 lm - 3000K/CRI 80
up to 23 lm - 4000K/CRI 80
* Net lumen output

C-Me Opal Round 70 / RGB



Mid - Power Led
up to 0,8W
up to 80 lm - 2700K/CRI 80
up to 82 lm - 3000K/CRI 80
up to 83 lm - 4000K/CRI 80
* Net lumen output

RGB - Power Led
up to 3,4W
3CH x 350mA

C-Me Opal Square 40



Mid - Power Led
up to 0,3W
up to 22 lm - 2700K/CRI 80
up to 23 lm - 3000K/CRI 80
up to 23 lm - 4000K/CRI 80
* Net lumen output

C-Me Opal Square 70 / RGB



Mid - Power Led
up to 0,8W
up to 80 lm - 2700K/CRI 80
up to 82 lm - 3000K/CRI 80
up to 83 lm - 4000K/CRI 80
* Net lumen output

RGB - Power Led
up to 3,4W
3CH x 350mA

Descrizione / Description

Famiglia di apparecchi di illuminazione ad incasso a terra calpestabili o a parete con sorgente luminosa a LED, caratterizzati dall'installazione a filo pavimento senza bordo di battuta ed assenza di viti a vista. Disponibili in versione quadrata e rotonda, in differenti tagli dimensionali e molteplici fasci di apertura. Disponibili versioni RGB per creazione di scenografie luminose colorate. L'installazione richiede una cassaforma da incasso da ordinare separatamente. È necessario garantire un livello adeguato di materiale drenante sotto la cassaforma o fornire un sistema di scarico per evitare il ristagno di acqua. Per garantire la tenuta del pressacavo è necessario utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

C-Me
Apparecchi ad incasso a terra calpestabili o a parete, disponibili in due forme, tondo e quadrato, e due dimensioni per forma. Due fasci di apertura, spot e medium. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame). Diffusore in vetro trasparente con bordo serigrafato nero, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

C-Me Opal
Apparecchi ad incasso a terra calpestabili o a parete, disponibili in due forme, tondo e quadrato, e due dimensioni per forma. Fascio di apertura diffuso. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame). Diffusore in vetro trasparente con bordo serigrafato bianco ed inserimento di inserto di materiale diffusivo al di sotto del vetro, fissato attraverso un sistema di incollaggio robotizzato. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

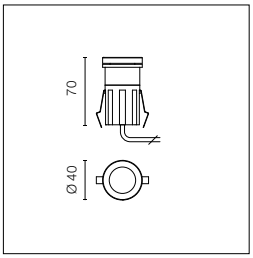
Family of ground recessed and walk-over, or wall recessed, luminaries with LED light source. The luminaires are characterized by an installation flush with the floor, with no visible screws. Available in square and round versions, of different dimensions and with different beam angles. Available in RGB version to create set designs using colored lights. The installation requires a recessed box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

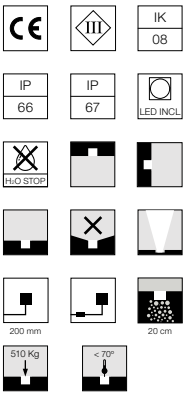
C-Me
Ground recessed and walk-over or wall recessed luminaire. Available in two formats (square and round) and two different dimensions for each format. Two beam angles: spot and medium. The structure and sink of the luminaire are made of EN AB-47100 die-cast aluminum (with low copper content). Transparent glass diffuser with black silkscreen border, fixed through a robotic gluing system.

C-Me Opal
Ground recessed and walk-over or wall recessed luminaire. Available in two versions (square and round) and two different dimensions for each version. Beam angle for a diffused light. The structure and sink of the luminaire are made of EN AB-47100 die-cast aluminum (with low copper content). Transparent glass diffuser with white silkscreen border. Material inserts for diffusion under the glass. The glass is fixed through a robotic gluing system. The 24V dc luminaire is powered by a remote power supply to be ordered separately.

C-Me Round 40







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

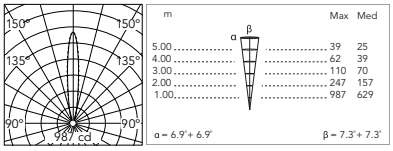
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 2,3W - 144 lm ≠ OUTPUT 111 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 121 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 125 lm - 4000K/CRI 80 -24Vdc

2700K	3000K	4000K
FA10018112	FA10017612	FA10017712

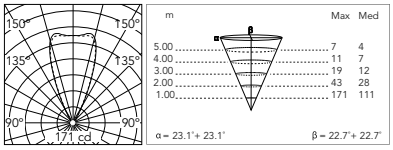


@ 3000K

Optic Medium 45°

Power Led: 2,3W - 144 lm ≠ OUTPUT 102 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 110 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 114 lm - 4000K/CRI 80 -24Vdc

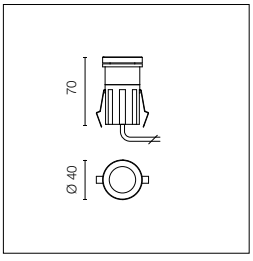
2700K	3000K	4000K
FA10018140	FA10017640	FA10017740

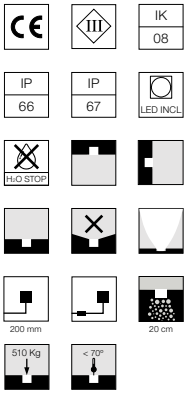


@ 3000K

C-Me Opal Round 40







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale. Dimmerabile.

2200K disponibile su richiesta.

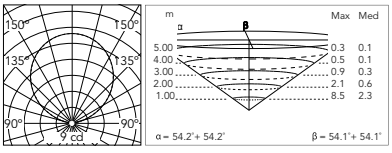
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

Diffused Light

Mid-Power Led: 0,3W - 42 lm ≠ OUTPUT 22 lm - 2700K/CRI 80 -24Vdc / 0,3W - 44 lm ≠ OUTPUT 23 lm - 3000K/CRI 80 -24Vdc / 0,3W - 45 lm ≠ OUTPUT 23 lm - 4000K/CRI 80 -24Vdc

2700K	3000K	4000K
FA100181118	FA100176118	FA100177118



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

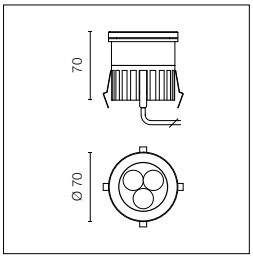
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

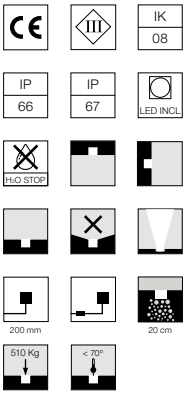
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	5	Acc. F990B21A000	30
Acc. RF25748	1	Acc. F990B28A000	14	Acc. RF26387.A	30
Acc. RF25747	4	Acc. F990B27A000	29		
Acc. RF25757	4	Acc. RF25750	30		

C-Me Round 70







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

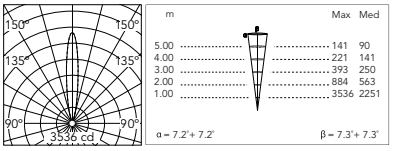
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA10018212	FA10017912	FA10018012

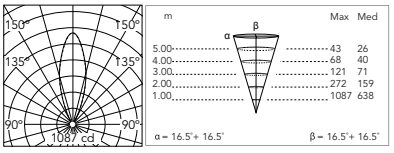


@ 3000K

Optic Medium 30°

Power Led: 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA10018230	FA10017930	FA10018030

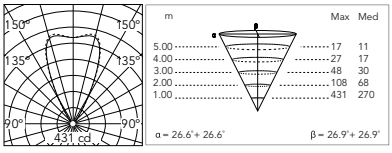


@ 3000K

Optic Flood 50°

Power Led: 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

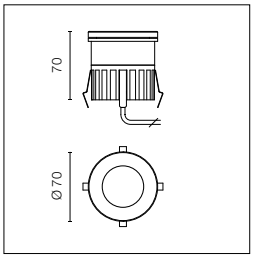
2700K	3000K	4000K
FA10018240	FA10017940	FA10018040

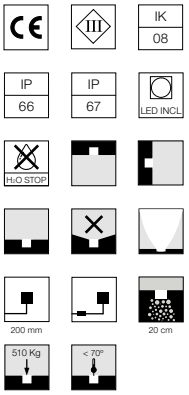


@ 3000K

C-Me Opal Round 70







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale. Dimmerabile.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

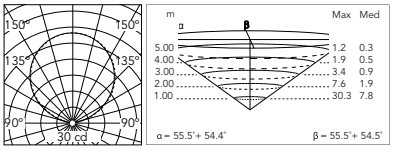
Diffused Light

Mid-Power Led: 0,8W - 127 lm ≠ OUTPUT 80 lm - 2700K/CRI 80 - 24Vdc / 0,8W - 131 lm ≠ OUTPUT 82 lm - 3000K/CRI 80 - 24Vdc / 0,8W - 136 lm ≠ OUTPUT 83 lm - 4000K/CRI 80 - 24Vdc

2700K
FA100182122

3000K
FA100179122

4000K
FA100180122



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

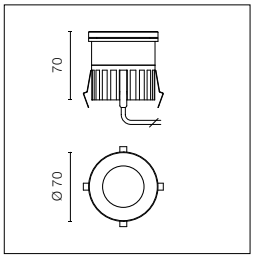
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

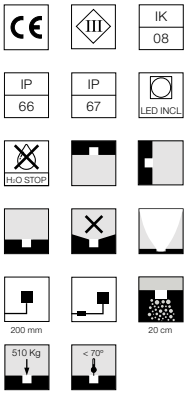
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1
Acc. RF25757	1
Acc. RF25752	2
Acc. F990B28A000	6
Acc. F990B27A000	12
Acc. RF25750	10
Acc. F990B21A000	10
Acc. RF26387.A	10

C-Me Round 70 RGB







Sorgente a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi C-Me Round 70 LED RGB per ogni codice F990B22A000

Vedere Schema Elettrico n.5 Page 832.

LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

Wiring diagram and installation scheme RGB.

Max 10 luminaires C-Me Round 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

RGB Power Led: 3,4W - 3CH x 350mA

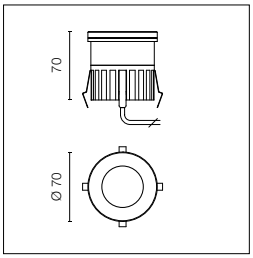
Optic Spot 10°
FA10017412

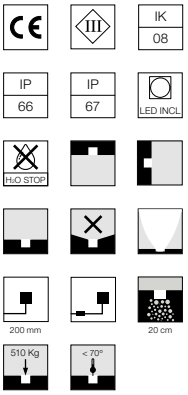
Optic Medium 35°
FA10017440

Photometric data on request.

C-Me Opal Round 70 RGB







Sorgente a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi C-Me Opal Round 70 LED RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser.

Wiring diagram and installation scheme RGB.

Max 10 luminaires C-Me Opal Round 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Diffused Light

RGB Power Led: 3,4W - 3CH x 350mA

RGB

FA100174122

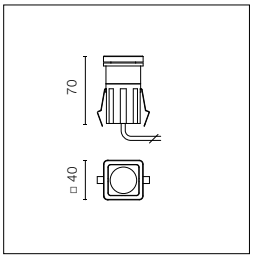
Photometric data on request.

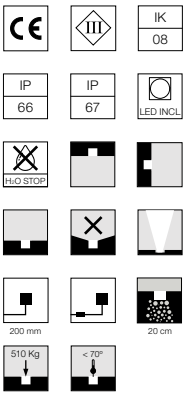
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. F990B22A000	**10	**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.	**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

C-Me Square 40







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

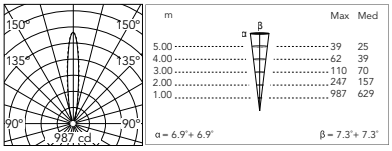
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. . Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 2,3W - 144 lm ≠ OUTPUT 111 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 121 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 125 lm - 4000K/CRI 80 -24Vdc

2700K	3000K	4000K
FA100181133	FA100176133	FA100177133

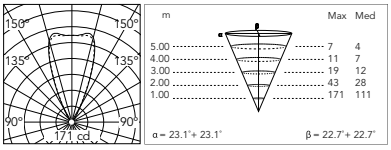


@ 3000K

Optic Medium 45°

Power Led: 2,3W - 144 lm ≠ OUTPUT 102 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 110 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 114 lm - 4000K/CRI 80 -24Vdc

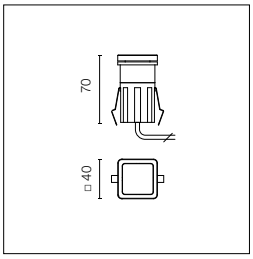
2700K	3000K	4000K
FA10018141	FA10017641	FA10017741

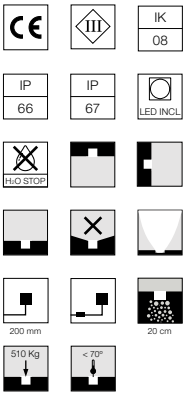


@ 3000K

C-Me Opal Square 40







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale. Dimmerabile.

2200K disponibile su richiesta.

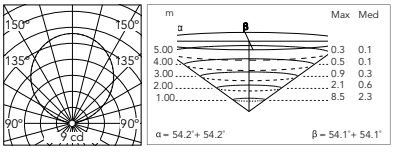
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. . Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

Diffused Light

Mid-Power Led: 0,3W - 42 lm ≠ OUTPUT 22 lm - 2700K/CRI 80 -24Vdc / 0,3W - 44 lm ≠ OUTPUT 23 lm - 3000K/CRI 80 -24Vdc / 0,3W - 45 lm ≠ OUTPUT 23 lm - 4000K/CRI 80 -24Vdc

2700K	3000K	4000K
FA100181124	FA100176124	FA100177124



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

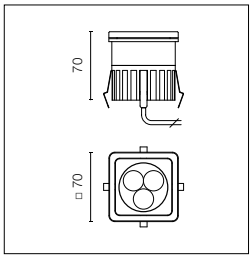
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

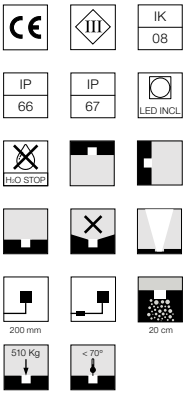
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25752	5	Acc. F990B21A000	30
Acc. RF25748	1	Acc. F990B28A000	14	Acc. RF26387.A	30
Acc. RF25747	4	Acc. F990B27A000	29		
Acc. RF25757	4	Acc. RF25750	30		

C-Me Square 70







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

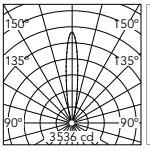
LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

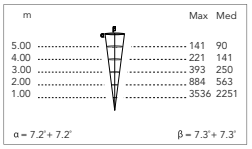
2200K available on request.

Optic Spot 10°

Power Led: 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA100182132	FA100179132	FA100180132



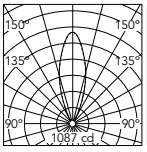


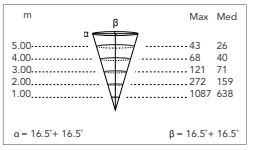
@ 3000K

Optic Medium 30°

Power Led: 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA100182130	FA100179130	FA100180130



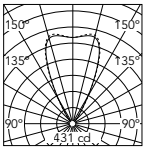


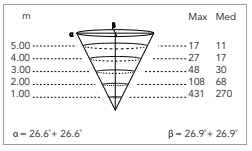
@ 3000K

Optic Flood 50°

Power Led: 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
FA10018241	FA10017941	FA10018041

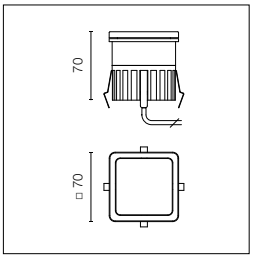


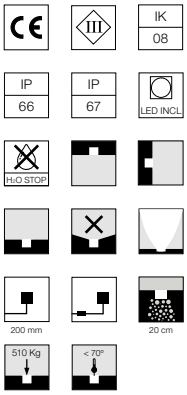


@ 3000K

C-Me Opal Square 70







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm con sistema integrato di giunzione H2O STOP e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale.
Dimmerabile.

2200K disponibile su richiesta.

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser.
Adjustable light intensity.

2200K available on request.

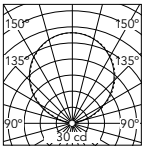
Diffused Light

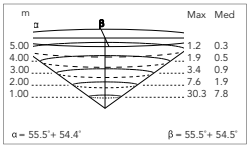
Mid-Power Led: 0,8W - 127 lm ≠ OUTPUT 80 lm - 2700K/CRI 80 - 24Vdc / 0,8W - 131 lm ≠ OUTPUT 82 lm - 3000K/CRI 80 - 24Vdc / 0,8W - 136 lm ≠ OUTPUT 83 lm - 4000K/CRI 80 - 24Vdc

2700K
FA100182125

3000K
FA100179125

4000K
FA100180125





@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

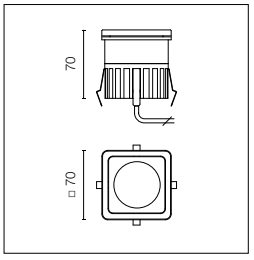
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

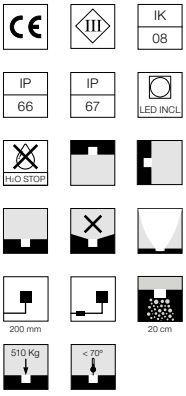
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1	Acc. F990B28A000	6	Acc. F990B21A000	10
Acc. RF25757	1	Acc. F990B27A000	12	Acc. RF26387.A	10
Acc. RF25752	2	Acc. RF25750	10		

C-Me Square 70 RGB







Sorgente a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro trasparente extrachiaro.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi C-Me Square 70 LED RGB per ogni codice F990B22A000

Vedere Schema Elettrico n.5
Page 832.

LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

Wiring diagram and installation scheme RGB.

Max 10 luminaires C-Me Square 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5
Page 832.

RGB Power Led: 3,4W - 3CH x 350mA

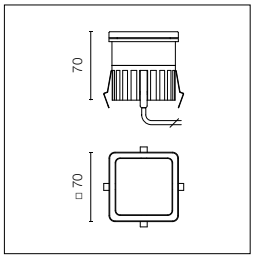
Optic Spot 10°
FA100174132

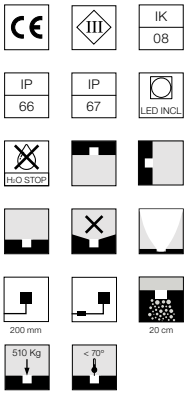
Optic Medium 35°
FA10017441

Photometric data on request.

C-Me Opal Square 70 RGB







Sorgente RGB a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Necessaria cassaforma da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Vetro con diffusore opale.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi C-Me Opal Square 70 LED RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.

Wiring diagram and installation scheme RGB.

Max 10 luminaires C-Me Opal Square 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Diffused Light

RGB Power Led: 3,4W - 3CH x 350mA

RGB

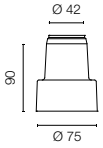
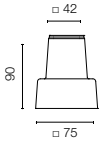
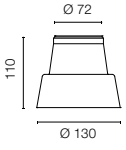
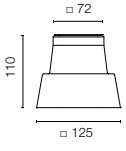
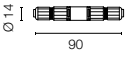
FA100174125

Photometric data on request.

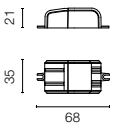
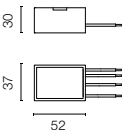
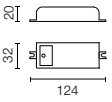
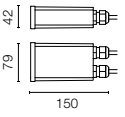
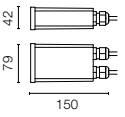
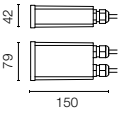
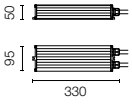
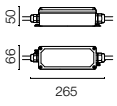
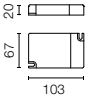
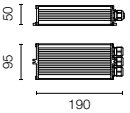
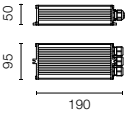
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. F990B22A000	**10	**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.	**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

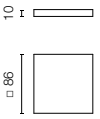
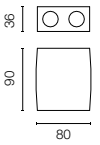
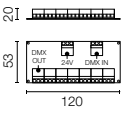
C-Me: Accessori / Accessories

Scatola per incasso.	Box for installation.	C-Me Ø40 FA98		
Scatola per incasso.	Box for installation.	C-Me 40x40 FA99		
Scatola per incasso.	Box for installation.	C-Me Ø70 FA101		
Scatola per incasso.	Box for installation.	C-Me 70x70 FA102		
Sistema di giunzione IP68 a 2 vie 2 poli. (Ø4÷6,9mm cavo). Non può essere alloggiato nella scatola per incasso.	2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable). It can't be placed in the recessed box for installation.	F990C050000		

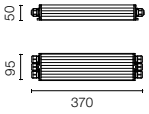
C-Me: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	C-Me 40mm *RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	C-Me 40mm *RF25748		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	Diffused Light *RF25750 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830		
Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.	Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.	Diffused Light *F990B21A000 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	Diffused Light *RF26387.A Dimmable DALI See Wiring Diagram n.4. Page 830		

C-Me RGB: Accessori / Accessories

Controller DMX a parete per scatole ad incasso (60mm interasse fori).	DMX controller; dimmer switch for recessed box (60mm hole centres).	F990B10A000		
Controller DMX stand-alone/interfaccia pc.	DMX controller; stand-alone/pc interface.	F990B11A000		
DMX splitter 512 - dispositivo elettronico per rigenerare segnale dmx monodirezionale 1 Input e 7 output, 12-24Vdc. Alimentatore non incluso.	DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included.	F990B13A000		
Cavo DMX schermato con impedenza costante 110 Ohm.	DMX cable - shielded twisted pair with 110 Ohm constant impedance.	F990B12A000		

C-Me RGB: Driver / Drivers

Alimentatore con interfaccia DMX per apparecchi RGB 36W/220÷240V-3CH x 350mA (3CH x 10 x 1W) predisposizione DMX IP67 Classe I Selv Eq.	Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq.	*F990B22A000		

Ingraze

Designed by Flos Outdoor











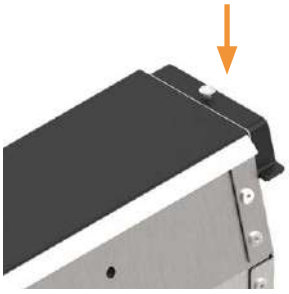
VERSATILITÀ
La gamma di prodotti viene proposta in diverse configurazioni, con bordo e tuttovetro, con ottiche fisse oppure orientabili. Un sistema di molle brevettato garantisce la massima pulizia estetica.

VERSATILITY
The range of products is offered in various frame and frameless configurations, with fixed or adjustable lenses. A patented system of springs guarantees the cleanest look.



COMFORT VISIVO
L' innovativo sistema di ottiche arretrate offre un comfort visivo ottimale in qualsiasi contesto; particolari accessori frangiluce longitudinali e asimmetrici pre-installati consentono di evitare l'abbagliamento anche in situazioni piú critiche.

VISUAL COMFORT
The innovative rear lens system offers optimal visual comfort in any situation; special asymmetrical or lengthwise diffuser accessories pre-installed allow to reduce the beam of light and to prevent glare in more critical situations too.



ANTIFURTO
Il sistema di fissaggio antifurto studiato appositamente per evitare manomissioni e vandalismi rende Ingraze adatto anche ad installazioni in ambito pubblico.

ANTI-THEFT
An anti-theft fastening system specifically designed to prevent tampering and vandalism makes Ingraze suitable for public installations too.



FLESSIBILITÀ
Ingraze estende la gamma di proiettori lineari con un evoluto programma di incassi a terra, idonei ad ogni tipo di progetto grazie alle molteplici possibilità di installazione.

FLEXIBILITY
Ingraze extends the range of linear spotlights with an advanced programme of recessed floor fittings, suitable for any type of project thanks to the many installation options.



FILA CONTINUA
La flessibilità installativa in ogni ambito è garantita dalle diverse configurazioni, sia singole che in fila continua, mantendo l'omogeneità del fascio luminoso.

CONTINUOUS LINE
Flexible installation in all areas is guaranteed by the various configurations, both single and in a continuous line, while keeping a consistent beam of light.

Ingraze Fixed L 400

Frame / Linear Louvre / Asymmetric Louvre



Power Led
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

Ingraze Fixed L 600

Frame / Linear Louvre / Asymmetric Louvre



Power Led
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

Ingraze Fixed L 900

Frame / Linear Louvre / Asymmetric Louvre



Power Led
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

Ingraze Fixed L 1200

Frame / Linear Louvre / Asymmetric Louvre



Power Led
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

Ingraze Adjustable L 400

Frame / Linear Louvre / Asymmetric Louvre



Power Led
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

Ingraze Adjustable L 600

Frame / Linear Louvre / Asymmetric Louvre



Power Led
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

Ingraze Adjustable L 900

Frame / Linear Louvre / Asymmetric Louvre



Power Led
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

Ingraze Adjustable L 1200

Frame / Linear Louvre / Asymmetric Louvre



Power Led
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

Frameless / Linear Louvre / Asymmetric Louvre



Power Led
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80



Descrizione / Description

Apparecchio lineare da esterni per installazione ad incasso a terra con sorgente LED di alta potenza di ultimissima generazione. Il prodotto è concepito per garantire un estremo comfort visivo grazie alla posizione arretrata del gruppo ottico; la gamma è declinata in due modelli, frame e frameless, disponibili in 4 lunghezze per garantire la massima flessibilita' di installazione e soddisfare differenti richieste progettuali, grazie alle diverse configurazioni ottiche, spot, medium, flood, e ellittico.La disponibilità di versioni alternative equipaggiate con frangiluce longitudinale e asimmetrico permette di ottimizzare le performance del prodotto garantendo il massimo confort visivo. Corpo in alluminio estruso sottoposto a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Doppia testata di chiusura realizzata in tecnopolimero ad alta resistenza. Rivestimento a doppio strato di polveri e a richiesta trattamento marino "ACT" (Anti Corrosion Treatment) che garantisce la resistenza in ambienti con condizioni ambientali critiche. Vetro temprato extra chiaro con alto indice di trasmittanza, siliconato tramite un sistema di incollaggio robotizzato, previo trattamento di pulizia al plasma, garantisce un grado di protezione IP66/67, una elevata resistenza all'impatto IK10, ed e' carrabile fino a 2500kg. Ingraze è disponibile in versione orientabile sull'asse orizzontale di +/-10°, la regolazione avviene dall'esterno tramite un utensile dedicato fornito con il prodotto senza necessitá di aprire il prodotto per accedere al vano ottico. il Una scala graduata posta sul corpo del prodotto garantisce un puntamento preciso e sicuro. Il dissipatore interno brevettato, consente una gestione eccellente delle temperature aumentando performance e life-time del modulo LED. Temperature di colore disponibili 2200, 2700, 3000, e 4000K; il controllo della luce è realizzabile tramite protocollo dali, oppure 1-10V, con driver integrato. Entrambe le versioni, frame e frameless posso essere installate all'interno della stessa cassaforma, in acciaio INOX, in configurazione singola o in fila continua. Cassaforma e accessori di montaggio sono da ordinare separatamente. Disponibile una cassaforma per l'installazione della versione frame a filo pavimento. Un sistema di molle brevettato evita l'utilizzo di viti a vista per il fissaggio. L'apparecchio è pre-cablato con spezzoni di cavo uscente e completo di due connettori (IN-OUT) ad innesto rapido per facilitare e velocizzare le operazioni di cablaggio elettrico.

An outdoor strip device for recessed floor installation with a next-gen high-power LED source. The product is designed to guarantee extreme visual comfort thanks to the rear position of the lens unit; the range is organised into two models, either framed or frameless, available in 4 different lengths to guarantee the greatest installation flexibility and to meet different project requirements, thanks to the various lens configurations: spot, medium, flood and elliptical. The availability of alternative versions equipped with asymmetrical or lengthwise diffusers helps optimise the product's performance, guaranteeing maximum visual comfort. Extruded aluminium body with a chemical conversion coating for high corrosion-resistance. Double end-plate cover made from high-resistance technopolymer. Coating with a double layer of powder paint and marine "ACT" (Anti-Corrosion Treatment) upon request, which guarantees resistance under harsh environmental conditions. Extra-clear tempered glass with a high transmittance index, siliconised through an automated bonding system, having undergone plasma cleaning treatment, guarantees an IP66/67 protection rating, high resistance to IK10 impact and can be driven over by vehicles up to 2500kg. Ingraze is available in an adjustable version on the vertical axis by +/-10°. This adjustment is done from the outside using a special tool provided with the product, without the need to open the product to access the lens compartment. A graduated scale on the body of the product guarantees secure, precise positioning. The patented internal heat sink allows for excellent temperature management, increasing the performance and lifetime of the LED module. Available colour temperatures: 2200, 2700, 3000, and 4000K; the light can be controlled through the DALI protocol, or 1-10V, with a built-in driver. Both framed and frameless versions can be installed in the same installation box, made from INOX steel, in single or continuous line configurations. Installation box and assembly accessories should be ordered separately. Installation box is available for installation of the framed version flush with the floor. A patented system of springs avoids the use of visible screws for fastening. This device is pre-wired with outgoing cable sections and complete with two quick connectors (IN-OUT) to make electrical wiring quicker and easier.

Colori / Colours

Ingraze



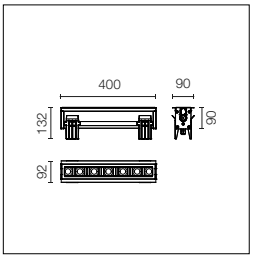
06 Grey

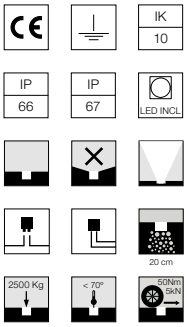


33 Anthracite

Ingraze Fixed Frame L 400







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

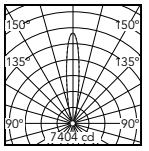
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1AA006	○ F017A2AA006	○ F017A3AA006	○ F017A4AA006
● F017A1AA033	● F017A2AA033	● F017A3AA033	● F017A4AA033
1-10V	1-10V	1-10V	1-10V
○ F017A1AB006	○ F017A2AB006	○ F017A3AB006	○ F017A4AB006
● F017A1AB033	● F017A2AB033	● F017A3AB033	● F017A4AB033
Dali	Dali	Dali	Dali
○ F017A1AD006	○ F017A2AD006	○ F017A3AD006	○ F017A4AD006
● F017A1AD033	● F017A2AD033	● F017A3AD033	● F017A4AD033





@3000K

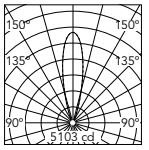
Beam Angle:	16°
h(m)	E(lx) D(m)
1	7404 0.27
2	1851 0.55
3	823 0.82
4	463 1.09
5	296 1.37

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1BA006	○ F017A2BA006	○ F017A3BA006	○ F017A4BA006
● F017A1BA033	● F017A2BA033	● F017A3BA033	● F017A4BA033
1-10V	1-10V	1-10V	1-10V
○ F017A1BB006	○ F017A2BB006	○ F017A3BB006	○ F017A4BB006
● F017A1BB033	● F017A2BB033	● F017A3BB033	● F017A4BB033
Dali	Dali	Dali	Dali
○ F017A1BD006	○ F017A2BD006	○ F017A3BD006	○ F017A4BD006
● F017A1BD033	● F017A2BD033	● F017A3BD033	● F017A4BD033





@3000K

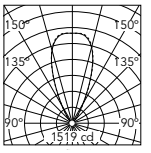
Beam Angle:	25°
h(m)	E(lx) D(m)
1	5103 0.44
2	1276 0.88
3	567 1.32
4	319 1.76
5	204 2.20

Optic Flood 46°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1CA006	○ F017A2CA006	○ F017A3CA006	○ F017A4CA006
● F017A1CA033	● F017A2CA033	● F017A3CA033	● F017A4CA033
1-10V	1-10V	1-10V	1-10V
○ F017A1CB006	○ F017A2CB006	○ F017A3CB006	○ F017A4CB006
● F017A1CB033	● F017A2CB033	● F017A3CB033	● F017A4CB033
Dali	Dali	Dali	Dali
○ F017A1CD006	○ F017A2CD006	○ F017A3CD006	○ F017A4CD006
● F017A1CD033	● F017A2CD033	● F017A3CD033	● F017A4CD033





@3000K

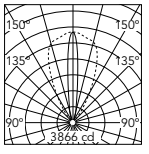
Beam Angle:	46°
h(m)	E(lx) D(m)
1	1511 0.85
2	378 1.71
3	168 2.56
4	94 3.42
5	60 4.27

Optic Elliptical 12° x 50°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1DA006	○ F017A2DA006	○ F017A3DA006	○ F017A4DA006
● F017A1DA033	● F017A2DA033	● F017A3DA033	● F017A4DA033
1-10V	1-10V	1-10V	1-10V
○ F017A1DB006	○ F017A2DB006	○ F017A3DB006	○ F017A4DB006
● F017A1DB033	● F017A2DB033	● F017A3DB033	● F017A4DB033
Dali	Dali	Dali	Dali
○ F017A1DD006	○ F017A2DD006	○ F017A3DD006	○ F017A4DD006
● F017A1DD033	● F017A2DD033	● F017A3DD033	● F017A4DD033

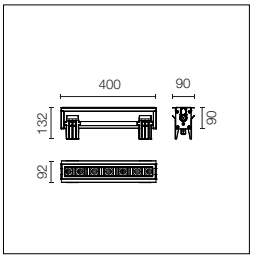


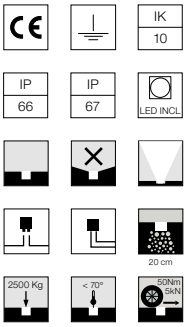


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	3866 0.22
2	966 0.44
3	430 0.66
4	242 0.87
5	155 1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

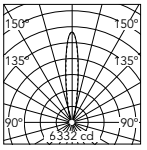
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1HA006	○ F017A2HA006	○ F017A3HA006	○ F017A4HA006
● F017A1HA033	● F017A2HA033	● F017A3HA033	● F017A4HA033
1-10V	1-10V	1-10V	1-10V
○ F017A1HB006	○ F017A2HB006	○ F017A3HB006	○ F017A4HB006
● F017A1HB033	● F017A2HB033	● F017A3HB033	● F017A4HB033
Dali	Dali	Dali	Dali
○ F017A1HD006	○ F017A2HD006	○ F017A3HD006	○ F017A4HD006
● F017A1HD033	● F017A2HD033	● F017A3HD033	● F017A4HD033





@3000K

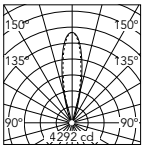
Beam Angle:	16°
h(m)	E(lx) D(m)
1	6332 0.28
2	1583 0.56
3	704 0.83
4	396 1.11
5	253 1.39

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1JA006	○ F017A2JA006	○ F017A3JA006	○ F017A4JA006
● F017A1JA033	● F017A2JA033	● F017A3JA033	● F017A4JA033
1-10V	1-10V	1-10V	1-10V
○ F017A1JB006	○ F017A2JB006	○ F017A3JB006	○ F017A4JB006
● F017A1JB033	● F017A2JB033	● F017A3JB033	● F017A4JB033
Dali	Dali	Dali	Dali
○ F017A1JD006	○ F017A2JD006	○ F017A3JD006	○ F017A4JD006
● F017A1JD033	● F017A2JD033	● F017A3JD033	● F017A4JD033





@3000K

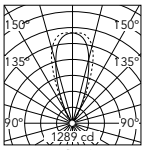
Beam Angle:	25°
h(m)	E(lx) D(m)
1	4292 0.44
2	1073 0.87
3	477 1.31
4	268 1.74
5	172 2.18

Optic Flood 39°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1KA006	○ F017A2KA006	○ F017A3KA006	○ F017A4KA006
● F017A1KA033	● F017A2KA033	● F017A3KA033	● F017A4KA033
1-10V	1-10V	1-10V	1-10V
○ F017A1KB006	○ F017A2KB006	○ F017A3KB006	○ F017A4KB006
● F017A1KB033	● F017A2KB033	● F017A3KB033	● F017A4KB033
Dali	Dali	Dali	Dali
○ F017A1KD006	○ F017A2KD006	○ F017A3KD006	○ F017A4KD006
● F017A1KD033	● F017A2KD033	● F017A3KD033	● F017A4KD033





@3000K

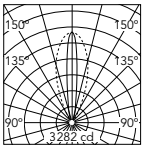
Beam Angle:	39°
h(m)	E(lx) D(m)
1	1285 0.71
2	321 1.43
3	143 2.14
4	80 2.86
5	51 3.57

Optic Elliptical 13° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1LA006	○ F017A2LA006	○ F017A3LA006	○ F017A4LA006
● F017A1LA033	● F017A2LA033	● F017A3LA033	● F017A4LA033
1-10V	1-10V	1-10V	1-10V
○ F017A1LB006	○ F017A2LB006	○ F017A3LB006	○ F017A4LB006
● F017A1LB033	● F017A2LB033	● F017A3LB033	● F017A4LB033
Dali	Dali	Dali	Dali
○ F017A1LD006	○ F017A2LD006	○ F017A3LD006	○ F017A4LD006
● F017A1LD033	● F017A2LD033	● F017A3LD033	● F017A4LD033



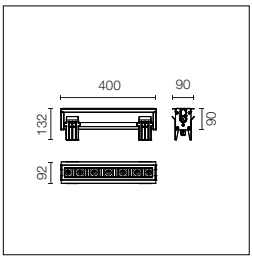


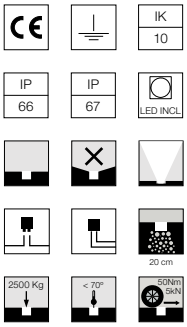
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	3282 0.22
2	820 0.44
3	365 0.67
4	205 0.89
5	131 1.11

Ingraze Fixed Frame + Asymmetric Louvre L 400







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

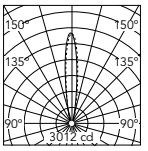
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1QA006	○ F017A2QA006	○ F017A3QA006	○ F017A4QA006
● F017A1QA033	● F017A2QA033	● F017A3QA033	● F017A4QA033
1-10V	1-10V	1-10V	1-10V
○ F017A1QB006	○ F017A2QB006	○ F017A3QB006	○ F017A4QB006
● F017A1QB033	● F017A2QB033	● F017A3QB033	● F017A4QB033
Dali	Dali	Dali	Dali
○ F017A1QD006	○ F017A2QD006	○ F017A3QD006	○ F017A4QD006
● F017A1QD033	● F017A2QD033	● F017A3QD033	● F017A4QD033

15°
SPOT



@3000K

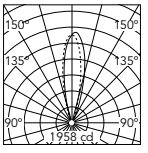
Beam Angle:	15°
h(m)	E(lx) D(m)
1	3010 0.25
2	753 0.51
3	334 0.76
4	188 1.02
5	120 1.27

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1RA006	○ F017A2RA006	○ F017A3RA006	○ F017A4RA006
● F017A1RA033	● F017A2RA033	● F017A3RA033	● F017A4RA033
1-10V	1-10V	1-10V	1-10V
○ F017A1RB006	○ F017A2RB006	○ F017A3RB006	○ F017A4RB006
● F017A1RB033	● F017A2RB033	● F017A3RB033	● F017A4RB033
Dali	Dali	Dali	Dali
○ F017A1RD006	○ F017A2RD006	○ F017A3RD006	○ F017A4RD006
● F017A1RD033	● F017A2RD033	● F017A3RD033	● F017A4RD033

25°
MEDIUM



@3000K

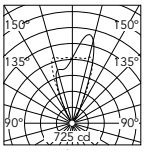
Beam Angle:	25°
h(m)	E(lx) D(m)
1	1955 0.45
2	489 0.89
3	217 1.34
4	122 1.78
5	78 2.23

Optic Flood 42°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 620 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1SA006	○ F017A2SA006	○ F017A3SA006	○ F017A4SA006
● F017A1SA033	● F017A2SA033	● F017A3SA033	● F017A4SA033
1-10V	1-10V	1-10V	1-10V
○ F017A1SB006	○ F017A2SB006	○ F017A3SB006	○ F017A4SB006
● F017A1SB033	● F017A2SB033	● F017A3SB033	● F017A4SB033
Dali	Dali	Dali	Dali
○ F017A1SD006	○ F017A2SD006	○ F017A3SD006	○ F017A4SD006
● F017A1SD033	● F017A2SD033	● F017A3SD033	● F017A4SD033

42°
FLOOD



@3000K

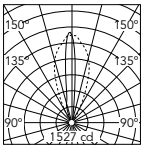
Beam Angle:	42°
h(m)	E(lx) D(m)
1	688 0.76
2	172 1.51
3	76 2.27
4	43 3.03
5	28 3.78

Optic Elliptical 12° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017A1TA006	○ F017A2TA006	○ F017A3TA006	○ F017A4TA006
● F017A1TA033	● F017A2TA033	● F017A3TA033	● F017A4TA033
1-10V	1-10V	1-10V	1-10V
○ F017A1TB006	○ F017A2TB006	○ F017A3TB006	○ F017A4TB006
● F017A1TB033	● F017A2TB033	● F017A3TB033	● F017A4TB033
Dali	Dali	Dali	Dali
○ F017A1TD006	○ F017A2TD006	○ F017A3TD006	○ F017A4TD006
● F017A1TD033	● F017A2TD033	● F017A3TD033	● F017A4TD033

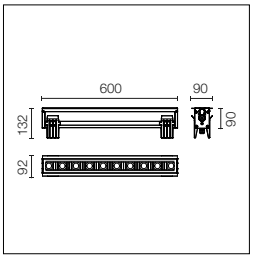
12°x40°
ELLIPTICAL

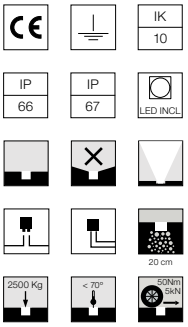


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	1526 0.21
2	382 0.42
3	170 0.62
4	95 0.83
5	61 1.04







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

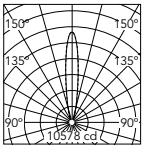
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1AA006	○ F017B2AA006	○ F017B3AA006	○ F017B4AA006
● F017B1AA033	● F017B2AA033	● F017B3AA033	● F017B4AA033
1-10V	1-10V	1-10V	1-10V
○ F017B1AB006	○ F017B2AB006	○ F017B3AB006	○ F017B4AB006
● F017B1AB033	● F017B2AB033	● F017B3AB033	● F017B4AB033
Dali	Dali	Dali	Dali
○ F017B1AD006	○ F017B2AD006	○ F017B3AD006	○ F017B4AD006
● F017B1AD033	● F017B2AD033	● F017B3AD033	● F017B4AD033





@3000K

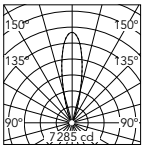
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	10578	0.27
2	2644	0.55
3	1175	0.82
4	661	1.09
5	423	1.37

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1BA006	○ F017B2BA006	○ F017B3BA006	○ F017B4BA006
● F017B1BA033	● F017B2BA033	● F017B3BA033	● F017B4BA033
1-10V	1-10V	1-10V	1-10V
○ F017B1BB006	○ F017B2BB006	○ F017B3BB006	○ F017B4BB006
● F017B1BB033	● F017B2BB033	● F017B3BB033	● F017B4BB033
Dali	Dali	Dali	Dali
○ F017B1BD006	○ F017B2BD006	○ F017B3BD006	○ F017B4BD006
● F017B1BD033	● F017B2BD033	● F017B3BD033	● F017B4BD033





@3000K

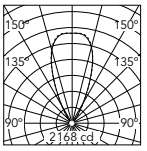
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	7285	0.44
2	1821	0.88
3	809	1.32
4	455	1.76
5	291	2.20

Optic Flood 46°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1CA006	○ F017B2CA006	○ F017B3CA006	○ F017B4CA006
● F017B1CA033	● F017B2CA033	● F017B3CA033	● F017B4CA033
1-10V	1-10V	1-10V	1-10V
○ F017B1CB006	○ F017B2CB006	○ F017B3CB006	○ F017B4CB006
● F017B1CB033	● F017B2CB033	● F017B3CB033	● F017B4CB033
Dali	Dali	Dali	Dali
○ F017B1CD006	○ F017B2CD006	○ F017B3CD006	○ F017B4CD006
● F017B1CD033	● F017B2CD033	● F017B3CD033	● F017B4CD033





@3000K

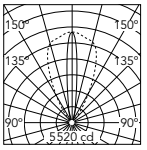
Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	2158	0.85
2	539	1.71
3	240	2.56
4	135	3.42
5	86	4.27

Optic Elliptical 12° x 50°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1DA006	○ F017B2DA006	○ F017B3DA006	○ F017B4DA006
● F017B1DA033	● F017B2DA033	● F017B3DA033	● F017B4DA033
1-10V	1-10V	1-10V	1-10V
○ F017B1DB006	○ F017B2DB006	○ F017B3DB006	○ F017B4DB006
● F017B1DB033	● F017B2DB033	● F017B3DB033	● F017B4DB033
Dali	Dali	Dali	Dali
○ F017B1DD006	○ F017B2DD006	○ F017B3DD006	○ F017B4DD006
● F017B1DD033	● F017B2DD033	● F017B3DD033	● F017B4DD033



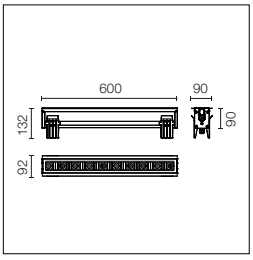


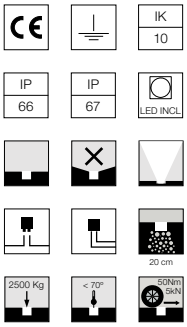
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	5519	0.22
2	1380	0.44
3	613	0.66
4	345	0.87
5	221	1.09

Ingraze Fixed Frame + Linear Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

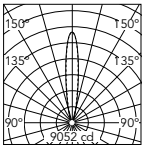
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1HA006	○ F017B2HA006	○ F017B3HA006	○ F017B4HA006
● F017B1HA033	● F017B2HA033	● F017B3HA033	● F017B4HA033
1-10V	1-10V	1-10V	1-10V
○ F017B1HB006	○ F017B2HB006	○ F017B3HB006	○ F017B4HB006
● F017B1HB033	● F017B2HB033	● F017B3HB033	● F017B4HB033
Dali	Dali	Dali	Dali
○ F017B1HD006	○ F017B2HD006	○ F017B3HD006	○ F017B4HD006
● F017B1HD033	● F017B2HD033	● F017B3HD033	● F017B4HD033





@3000K

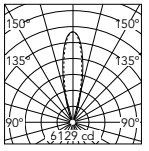
Beam Angle:	16°
h(m)	E(lx) D(m)
1	9052 0.28
2	2263 0.56
3	1006 0.83
4	566 1.11
5	362 1.39

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1JA006	○ F017B2JA006	○ F017B3JA006	○ F017B4JA006
● F017B1JA033	● F017B2JA033	● F017B3JA033	● F017B4JA033
1-10V	1-10V	1-10V	1-10V
○ F017B1JB006	○ F017B2JB006	○ F017B3JB006	○ F017B4JB006
● F017B1JB033	● F017B2JB033	● F017B3JB033	● F017B4JB033
Dali	Dali	Dali	Dali
○ F017B1JD006	○ F017B2JD006	○ F017B3JD006	○ F017B4JD006
● F017B1JD033	● F017B2JD033	● F017B3JD033	● F017B4JD033





@3000K

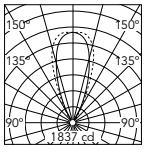
Beam Angle:	25°
h(m)	E(lx) D(m)
1	6129 0.44
2	1532 0.87
3	681 1.31
4	383 1.74
5	245 2.18

Optic Flood 39°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1KA006	○ F017B2KA006	○ F017B3KA006	○ F017B4KA006
● F017B1KA033	● F017B2KA033	● F017B3KA033	● F017B4KA033
1-10V	1-10V	1-10V	1-10V
○ F017B1KB006	○ F017B2KB006	○ F017B3KB006	○ F017B4KB006
● F017B1KB033	● F017B2KB033	● F017B3KB033	● F017B4KB033
Dali	Dali	Dali	Dali
○ F017B1KD006	○ F017B2KD006	○ F017B3KD006	○ F017B4KD006
● F017B1KD033	● F017B2KD033	● F017B3KD033	● F017B4KD033





@3000K

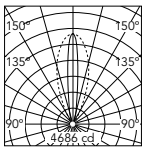
Beam Angle:	39°
h(m)	E(lx) D(m)
1	1832 0.71
2	458 1.43
3	204 2.14
4	115 2.86
5	73 3.57

Optic Elliptical 13° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1LA006	○ F017B2LA006	○ F017B3LA006	○ F017B4LA006
● F017B1LA033	● F017B2LA033	● F017B3LA033	● F017B4LA033
1-10V	1-10V	1-10V	1-10V
○ F017B1LB006	○ F017B2LB006	○ F017B3LB006	○ F017B4LB006
● F017B1LB033	● F017B2LB033	● F017B3LB033	● F017B4LB033
Dali	Dali	Dali	Dali
○ F017B1LD006	○ F017B2LD006	○ F017B3LD006	○ F017B4LD006
● F017B1LD033	● F017B2LD033	● F017B3LD033	● F017B4LD033



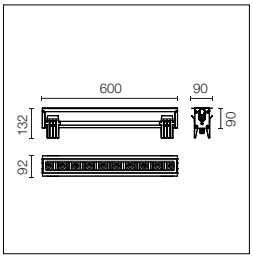


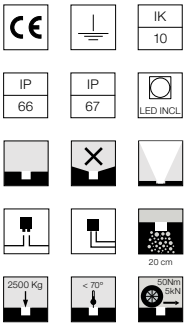
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	4686 0.22
2	1172 0.44
3	521 0.67
4	293 0.89
5	187 1.11

Ingraze Fixed Frame + Asymmetric Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

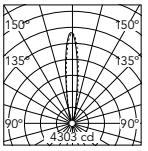
Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1QA006	○ F017B2QA006	○ F017B3QA006	○ F017B4QA006
● F017B1QA033	● F017B2QA033	● F017B3QA033	● F017B4QA033
1-10V	1-10V	1-10V	1-10V
○ F017B1QB006	○ F017B2QB006	○ F017B3QB006	○ F017B4QB006
● F017B1QB033	● F017B2QB033	● F017B3QB033	● F017B4QB033
Dali	Dali	Dali	Dali
○ F017B1QD006	○ F017B2QD006	○ F017B3QD006	○ F017B4QD006
● F017B1QD033	● F017B2QD033	● F017B3QD033	● F017B4QD033



SPOT



@3000K

Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	4300	0.25
2	1075	0.51
3	478	0.76
4	269	1.02
5	172	1.27

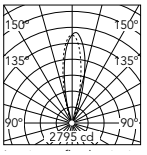
Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1RA006	○ F017B2RA006	○ F017B3RA006	○ F017B4RA006
● F017B1RA033	● F017B2RA033	● F017B3RA033	● F017B4RA033
1-10V	1-10V	1-10V	1-10V
○ F017B1RB006	○ F017B2RB006	○ F017B3RB006	○ F017B4RB006
● F017B1RB033	● F017B2RB033	● F017B3RB033	● F017B4RB033
Dali	Dali	Dali	Dali
○ F017B1RD006	○ F017B2RD006	○ F017B3RD006	○ F017B4RD006
● F017B1RD033	● F017B2RD033	● F017B3RD033	● F017B4RD033



MEDIUM



@3000K

Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	2790	0.45
2	698	0.89
3	310	1.34
4	174	1.78
5	112	2.23

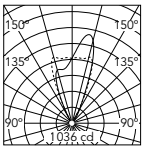
Optic Flood 46°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1SA006	○ F017B2SA006	○ F017B3SA006	○ F017B4SA006
● F017B1SA033	● F017B2SA033	● F017B3SA033	● F017B4SA033
1-10V	1-10V	1-10V	1-10V
○ F017B1SB006	○ F017B2SB006	○ F017B3SB006	○ F017B4SB006
● F017B1SB033	● F017B2SB033	● F017B3SB033	● F017B4SB033
Dali	Dali	Dali	Dali
○ F017B1SD006	○ F017B2SD006	○ F017B3SD006	○ F017B4SD006
● F017B1SD033	● F017B2SD033	● F017B3SD033	● F017B4SD033



FLOOD



@3000K

Beam Angle: 42°		
h(m)	E(lx)	D(m)
1	983	0.76
2	246	1.51
3	109	2.27
4	61	3.03
5	39	3.78

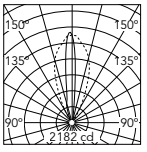
Optic Elliptical 12° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017B1TA006	○ F017B2TA006	○ F017B3TA006	○ F017B4TA006
● F017B1TA033	● F017B2TA033	● F017B3TA033	● F017B4TA033
1-10V	1-10V	1-10V	1-10V
○ F017B1TB006	○ F017B2TB006	○ F017B3TB006	○ F017B4TB006
● F017B1TB033	● F017B2TB033	● F017B3TB033	● F017B4TB033
Dali	Dali	Dali	Dali
○ F017B1TD006	○ F017B2TD006	○ F017B3TD006	○ F017B4TD006
● F017B1TD033	● F017B2TD033	● F017B3TD033	● F017B4TD033



ELLIPTICAL

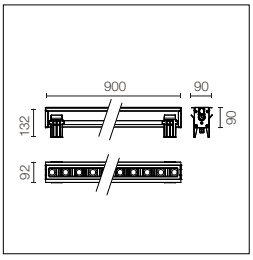


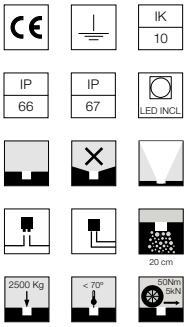
@3000K

Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	2181	0.21
2	545	0.42
3	242	0.62
4	136	0.83
5	87	1.04

Ingraze Fixed Frame L 900







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

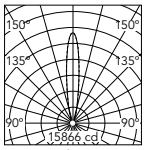
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2356 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1AA006	○ F017C2AA006	○ F017C3AA006	○ F017C4AA006
● F017C1AA033	● F017C2AA033	● F017C3AA033	● F017C4AA033
1-10V	1-10V	1-10V	1-10V
○ F017C1AB006	○ F017C2AB006	○ F017C3AB006	○ F017C4AB006
● F017C1AB033	● F017C2AB033	● F017C3AB033	● F017C4AB033
Dali	Dali	Dali	Dali
○ F017C1AD006	○ F017C2AD006	○ F017C3AD006	○ F017C4AD006
● F017C1AD033	● F017C2AD033	● F017C3AD033	● F017C4AD033





@3000K

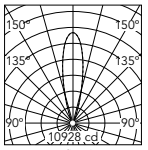
Beam Angle:	16°
h(m)	E(lx) D(m)
1	15866 0.27
2	3967 0.55
3	1763 0.82
4	992 1.09
5	635 1.37

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1BA006	○ F017C2BA006	○ F017C3BA006	○ F017C4BA006
● F017C1BA033	● F017C2BA033	● F017C3BA033	● F017C4BA033
1-10V	1-10V	1-10V	1-10V
○ F017C1BB006	○ F017C2BB006	○ F017C3BB006	○ F017C4BB006
● F017C1BB033	● F017C2BB033	● F017C3BB033	● F017C4BB033
Dali	Dali	Dali	Dali
○ F017C1BD006	○ F017C2BD006	○ F017C3BD006	○ F017C4BD006
● F017C1BD033	● F017C2BD033	● F017C3BD033	● F017C4BD033





@3000K

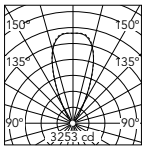
Beam Angle:	25°
h(m)	E(lx) D(m)
1	10928 0.44
2	2732 0.88
3	1214 1.32
4	683 1.76
5	437 2.20

Optic Flood 46°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1CA006	○ F017C2CA006	○ F017C3CA006	○ F017C4CA006
● F017C1CA033	● F017C2CA033	● F017C3CA033	● F017C4CA033
1-10V	1-10V	1-10V	1-10V
○ F017C1CB006	○ F017C2CB006	○ F017C3CB006	○ F017C4CB006
● F017C1CB033	● F017C2CB033	● F017C3CB033	● F017C4CB033
Dali	Dali	Dali	Dali
○ F017C1CD006	○ F017C2CD006	○ F017C3CD006	○ F017C4CD006
● F017C1CD033	● F017C2CD033	● F017C3CD033	● F017C4CD033





@3000K

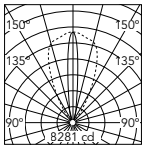
Beam Angle:	46°
h(m)	E(lx) D(m)
1	3238 0.85
2	809 1.71
3	360 2.56
4	202 3.42
5	130 4.27

Optic Elliptical 12° x 50°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1DA006	○ F017C2DA006	○ F017C3DA006	○ F017C4DA006
● F017C1DA033	● F017C2DA033	● F017C3DA033	● F017C4DA033
1-10V	1-10V	1-10V	1-10V
○ F017C1DB006	○ F017C2DB006	○ F017C3DB006	○ F017C4DB006
● F017C1DB033	● F017C2DB033	● F017C3DB033	● F017C4DB033
Dali	Dali	Dali	Dali
○ F017C1DD006	○ F017C2DD006	○ F017C3DD006	○ F017C4DD006
● F017C1DD033	● F017C2DD033	● F017C3DD033	● F017C4DD033

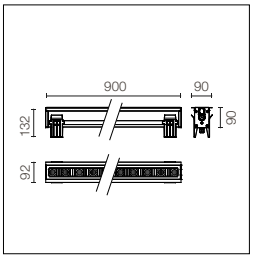


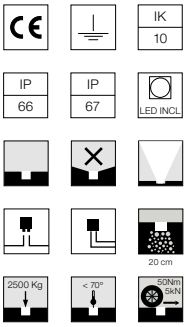


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	8280 0.22
2	2070 0.44
3	920 0.66
4	517 0.87
5	331 1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

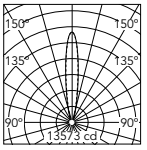
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017C1HA006	● F017C2HA006	● F017C3HA006	● F017C4HA006
● F017C1HA033	● F017C2HA033	● F017C3HA033	● F017C4HA033
1-10V	1-10V	1-10V	1-10V
● F017C1HB006	● F017C2HB006	● F017C3HB006	● F017C4HB006
● F017C1HB033	● F017C2HB033	● F017C3HB033	● F017C4HB033
Dali	Dali	Dali	Dali
● F017C1HD006	● F017C2HD006	● F017C3HD006	● F017C4HD006
● F017C1HD033	● F017C2HD033	● F017C3HD033	● F017C4HD033





@3000K

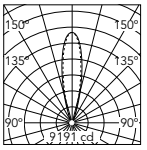
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	13573	0.28
2	3393	0.56
3	1508	0.83
4	848	1.11
5	543	1.39

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017C1JA006	● F017C2JA006	● F017C3JA006	● F017C4JA006
● F017C1JA033	● F017C2JA033	● F017C3JA033	● F017C4JA033
1-10V	1-10V	1-10V	1-10V
● F017C1JB006	● F017C2JB006	● F017C3JB006	● F017C4JB006
● F017C1JB033	● F017C2JB033	● F017C3JB033	● F017C4JB033
Dali	Dali	Dali	Dali
● F017C1JD006	● F017C2JD006	● F017C3JD006	● F017C4JD006
● F017C1JD033	● F017C2JD033	● F017C3JD033	● F017C4JD033





@3000K

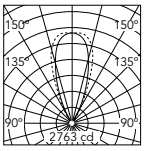
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	9191	0.44
2	2298	0.87
3	1021	1.31
4	574	1.74
5	368	2.18

Optic Flood 39°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017C1KA006	● F017C2KA006	● F017C3KA006	● F017C4KA006
● F017C1KA033	● F017C2KA033	● F017C3KA033	● F017C4KA033
1-10V	1-10V	1-10V	1-10V
● F017C1KB006	● F017C2KB006	● F017C3KB006	● F017C4KB006
● F017C1KB033	● F017C2KB033	● F017C3KB033	● F017C4KB033
Dali	Dali	Dali	Dali
● F017C1KD006	● F017C2KD006	● F017C3KD006	● F017C4KD006
● F017C1KD033	● F017C2KD033	● F017C3KD033	● F017C4KD033





@3000K

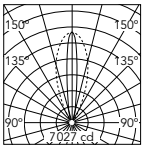
Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	2755	0.71
2	689	1.43
3	306	2.14
4	172	2.86
5	110	3.57

Optic Elliptical 13° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017C1LA006	● F017C2LA006	● F017C3LA006	● F017C4LA006
● F017C1LA033	● F017C2LA033	● F017C3LA033	● F017C4LA033
1-10V	1-10V	1-10V	1-10V
● F017C1LB006	● F017C2LB006	● F017C3LB006	● F017C4LB006
● F017C1LB033	● F017C2LB033	● F017C3LB033	● F017C4LB033
Dali	Dali	Dali	Dali
● F017C1LD006	● F017C2LD006	● F017C3LD006	● F017C4LD006
● F017C1LD033	● F017C2LD033	● F017C3LD033	● F017C4LD033



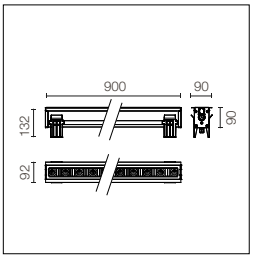


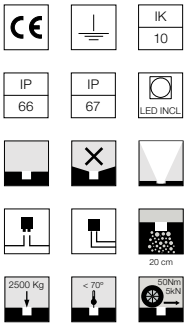
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	7027	0.22
2	1757	0.44
3	781	0.67
4	439	0.89
5	281	1.11

Ingraze Fixed Frame + Asymmetric Louvre L 900







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

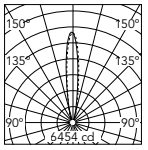
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1QA006	○ F017C2QA006	○ F017C3QA006	○ F017C4QA006
● F017C1QA033	● F017C2QA033	● F017C3QA033	● F017C4QA033
1-10V	1-10V	1-10V	1-10V
○ F017C1QB006	○ F017C2QB006	○ F017C3QB006	○ F017C4QB006
● F017C1QB033	● F017C2QB033	● F017C3QB033	● F017C4QB033
Dali	Dali	Dali	Dali
○ F017C1QD006	○ F017C2QD006	○ F017C3QD006	○ F017C4QD006
● F017C1QD033	● F017C2QD033	● F017C3QD033	● F017C4QD033





@3000K

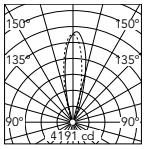
Beam Angle:	15°
h(m)	E(lx) D(m)
1	6451 0.25
2	1613 0.51
3	717 0.76
4	403 1.02
5	258 1.27

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1RA006	○ F017C2RA006	○ F017C3RA006	○ F017C4RA006
● F017C1RA033	● F017C2RA033	● F017C3RA033	● F017C4RA033
1-10V	1-10V	1-10V	1-10V
○ F017C1RB006	○ F017C2RB006	○ F017C3RB006	○ F017C4RB006
● F017C1RB033	● F017C2RB033	● F017C3RB033	● F017C4RB033
Dali	Dali	Dali	Dali
○ F017C1RD006	○ F017C2RD006	○ F017C3RD006	○ F017C4RD006
● F017C1RD033	● F017C2RD033	● F017C3RD033	● F017C4RD033





@3000K

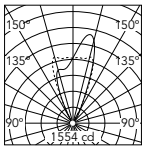
Beam Angle:	25°
h(m)	E(lx) D(m)
1	4183 0.45
2	1046 0.89
3	465 1.34
4	261 1.78
5	167 2.23

Optic Flood 42°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1SA006	○ F017C2SA006	○ F017C3SA006	○ F017C4SA006
● F017C1SA033	● F017C2SA033	● F017C3SA033	● F017C4SA033
1-10V	1-10V	1-10V	1-10V
○ F017C1SB006	○ F017C2SB006	○ F017C3SB006	○ F017C4SB006
● F017C1SB033	● F017C2SB033	● F017C3SB033	● F017C4SB033
Dali	Dali	Dali	Dali
○ F017C1SD006	○ F017C2SD006	○ F017C3SD006	○ F017C4SD006
● F017C1SD033	● F017C2SD033	● F017C3SD033	● F017C4SD033





@3000K

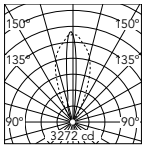
Beam Angle:	42°
h(m)	E(lx) D(m)
1	1474 0.76
2	368 1.51
3	164 2.27
4	92 3.03
5	59 3.78

Optic Elliptical 12° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017C1TA006	○ F017C2TA006	○ F017C3TA006	○ F017C4TA006
● F017C1TA033	● F017C2TA033	● F017C3TA033	● F017C4TA033
1-10V	1-10V	1-10V	1-10V
○ F017C1TB006	○ F017C2TB006	○ F017C3TB006	○ F017C4TB006
● F017C1TB033	● F017C2TB033	● F017C3TB033	● F017C4TB033
Dali	Dali	Dali	Dali
○ F017C1TD006	○ F017C2TD006	○ F017C3TD006	○ F017C4TD006
● F017C1TD033	● F017C2TD033	● F017C3TD033	● F017C4TD033

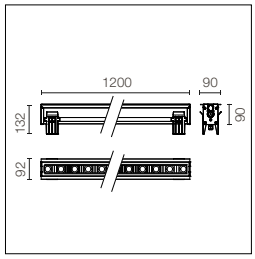


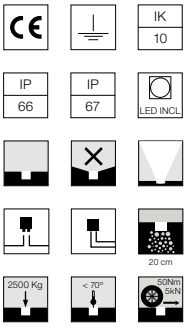


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	3271 0.21
2	818 0.42
3	363 0.62
4	204 0.83
5	131 1.04







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

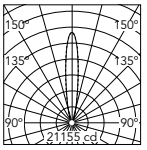
Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1AA006	○ F017D2AA006	○ F017D3AA006	○ F017D4AA006
● F017D1AA033	● F017D2AA033	● F017D3AA033	● F017D4AA033
1-10V	1-10V	1-10V	1-10V
○ F017D1AB006	○ F017D2AB006	○ F017D3AB006	○ F017D4AB006
● F017D1AB033	● F017D2AB033	● F017D3AB033	● F017D4AB033
Dali	Dali	Dali	Dali
○ F017D1AD006	○ F017D2AD006	○ F017D3AD006	○ F017D4AD006
● F017D1AD033	● F017D2AD033	● F017D3AD033	● F017D4AD033



SPOT



@3000K

Beam Angle:	16°
h(m)	E(lx) D(m)
1	21155 0.27
2	5289 0.55
3	2351 0.82
4	1322 1.09
5	846 1.37

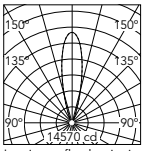
Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1BA006	○ F017D2BA006	○ F017D3BA006	○ F017D4BA006
● F017D1BA033	● F017D2BA033	● F017D3BA033	● F017D4BA033
1-10V	1-10V	1-10V	1-10V
○ F017D1BB006	○ F017D2BB006	○ F017D3BB006	○ F017D4BB006
● F017D1BB033	● F017D2BB033	● F017D3BB033	● F017D4BB033
Dali	Dali	Dali	Dali
○ F017D1BD006	○ F017D2BD006	○ F017D3BD006	○ F017D4BD006
● F017D1BD033	● F017D2BD033	● F017D3BD033	● F017D4BD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	14570 0.44
2	3643 0.88
3	1619 1.32
4	911 1.76
5	583 2.20

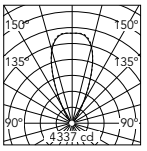
Optic Flood 46°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1CA006	○ F017D2CA006	○ F017D3CA006	○ F017D4CA006
● F017D1CA033	● F017D2CA033	● F017D3CA033	● F017D4CA033
1-10V	1-10V	1-10V	1-10V
○ F017D1CB006	○ F017D2CB006	○ F017D3CB006	○ F017D4CB006
● F017D1CB033	● F017D2CB033	● F017D3CB033	● F017D4CB033
Dali	Dali	Dali	Dali
○ F017D1CD006	○ F017D2CD006	○ F017D3CD006	○ F017D4CD006
● F017D1CD033	● F017D2CD033	● F017D3CD033	● F017D4CD033



FLOOD



@3000K

Beam Angle:	46°
h(m)	E(lx) D(m)
1	4316 0.85
2	1079 1.71
3	480 2.56
4	270 3.42
5	173 4.27

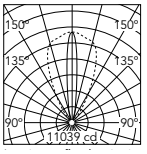
Optic Elliptical 12° x 50°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1DA006	○ F017D2DA006	○ F017D3DA006	○ F017D4DA006
● F017D1DA033	● F017D2DA033	● F017D3DA033	● F017D4DA033
1-10V	1-10V	1-10V	1-10V
○ F017D1DB006	○ F017D2DB006	○ F017D3DB006	○ F017D4DB006
● F017D1DB033	● F017D2DB033	● F017D3DB033	● F017D4DB033
Dali	Dali	Dali	Dali
○ F017D1DD006	○ F017D2DD006	○ F017D3DD006	○ F017D4DD006
● F017D1DD033	● F017D2DD033	● F017D3DD033	● F017D4DD033



ELLIPTICAL

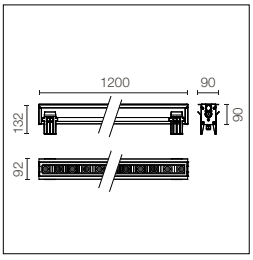


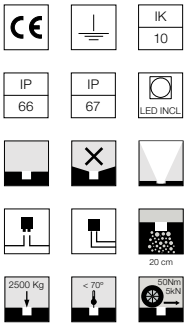
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	11037 0.22
2	2759 0.44
3	1226 0.66
4	690 0.87
5	441 1.09

Ingraze Fixed Frame + Linear Louvre L 1200







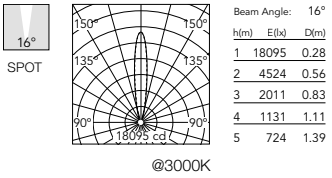
Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1HA006	○ F017D2HA006	○ F017D3HA006	○ F017D4HA006
● F017D1HA033	● F017D2HA033	● F017D3HA033	● F017D4HA033
1-10V	1-10V	1-10V	1-10V
○ F017D1HB006	○ F017D2HB006	○ F017D3HB006	○ F017D4HB006
● F017D1HB033	● F017D2HB033	● F017D3HB033	● F017D4HB033
Dali	Dali	Dali	Dali
○ F017D1HD006	○ F017D2HD006	○ F017D3HD006	○ F017D4HD006
● F017D1HD033	● F017D2HD033	● F017D3HD033	● F017D4HD033



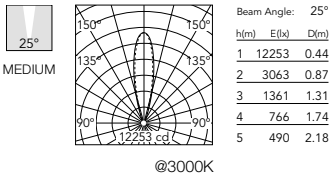
@3000K

Beam Angle: 16°		
h(m)	E(lx)	D(m)
1	18095	0.28
2	4524	0.56
3	2011	0.83
4	1131	1.11
5	724	1.39

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1JA006	○ F017D2JA006	○ F017D3JA006	○ F017D4JA006
● F017D1JA033	● F017D2JA033	● F017D3JA033	● F017D4JA033
1-10V	1-10V	1-10V	1-10V
○ F017D1JB006	○ F017D2JB006	○ F017D3JB006	○ F017D4JB006
● F017D1JB033	● F017D2JB033	● F017D3JB033	● F017D4JB033
Dali	Dali	Dali	Dali
○ F017D1JD006	○ F017D2JD006	○ F017D3JD006	○ F017D4JD006
● F017D1JD033	● F017D2JD033	● F017D3JD033	● F017D4JD033



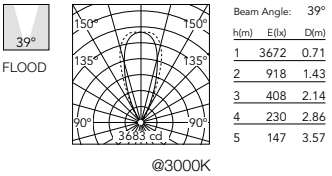
@3000K

Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	12253	0.44
2	3063	0.87
3	1361	1.31
4	766	1.74
5	490	2.18

Optic Flood 39°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1KA006	○ F017D2KA006	○ F017D3KA006	○ F017D4KA006
● F017D1KA033	● F017D2KA033	● F017D3KA033	● F017D4KA033
1-10V	1-10V	1-10V	1-10V
○ F017D1KB006	○ F017D2KB006	○ F017D3KB006	○ F017D4KB006
● F017D1KB033	● F017D2KB033	● F017D3KB033	● F017D4KB033
Dali	Dali	Dali	Dali
○ F017D1KD006	○ F017D2KD006	○ F017D3KD006	○ F017D4KD006
● F017D1KD033	● F017D2KD033	● F017D3KD033	● F017D4KD033



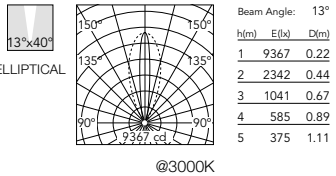
@3000K

Beam Angle: 39°		
h(m)	E(lx)	D(m)
1	3672	0.71
2	918	1.43
3	408	2.14
4	230	2.86
5	147	3.57

Optic Elliptical 13° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1LA006	○ F017D2LA006	○ F017D3LA006	○ F017D4LA006
● F017D1LA033	● F017D2LA033	● F017D3LA033	● F017D4LA033
1-10V	1-10V	1-10V	1-10V
○ F017D1LB006	○ F017D2LB006	○ F017D3LB006	○ F017D4LB006
● F017D1LB033	● F017D2LB033	● F017D3LB033	● F017D4LB033
Dali	Dali	Dali	Dali
○ F017D1LD006	○ F017D2LD006	○ F017D3LD006	○ F017D4LD006
● F017D1LD033	● F017D2LD033	● F017D3LD033	● F017D4LD033

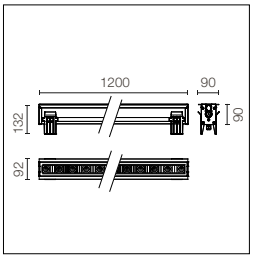


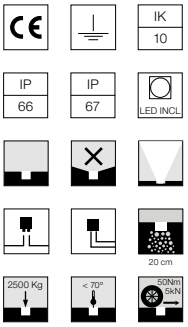
@3000K

Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	9367	0.22
2	2342	0.44
3	1041	0.67
4	585	0.89
5	375	1.11

Ingraze Fixed Frame + Asymmetric Louvre L 1200







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

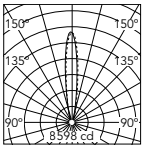
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1QA006	○ F017D2QA006	○ F017D3QA006	○ F017D4QA006
● F017D1QA033	● F017D2QA033	● F017D3QA033	● F017D4QA033
1-10V	1-10V	1-10V	1-10V
○ F017D1QB006	○ F017D2QB006	○ F017D3QB006	○ F017D4QB006
● F017D1QB033	● F017D2QB033	● F017D3QB033	● F017D4QB033
Dali	Dali	Dali	Dali
○ F017D1QD006	○ F017D2QD006	○ F017D3QD006	○ F017D4QD006
● F017D1QD033	● F017D2QD033	● F017D3QD033	● F017D4QD033





@3000K

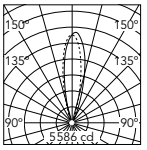
Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8593	0.25
2	2148	0.51
3	955	0.76
4	537	1.02
5	344	1.27

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1RA006	○ F017D2RA006	○ F017D3RA006	○ F017D4RA006
● F017D1RA033	● F017D2RA033	● F017D3RA033	● F017D4RA033
1-10V	1-10V	1-10V	1-10V
○ F017D1RB006	○ F017D2RB006	○ F017D3RB006	○ F017D4RB006
● F017D1RB033	● F017D2RB033	● F017D3RB033	● F017D4RB033
Dali	Dali	Dali	Dali
○ F017D1RD006	○ F017D2RD006	○ F017D3RD006	○ F017D4RD006
● F017D1RD033	● F017D2RD033	● F017D3RD033	● F017D4RD033





@3000K

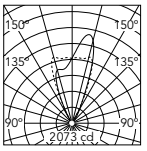
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	5576	0.45
2	1394	0.89
3	620	1.34
4	349	1.78
5	223	2.23

Optic Flood 42°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1SA006	○ F017D2SA006	○ F017D3SA006	○ F017D4SA006
● F017D1SA033	● F017D2SA033	● F017D3SA033	● F017D4SA033
1-10V	1-10V	1-10V	1-10V
○ F017D1SB006	○ F017D2SB006	○ F017D3SB006	○ F017D4SB006
● F017D1SB033	● F017D2SB033	● F017D3SB033	● F017D4SB033
Dali	Dali	Dali	Dali
○ F017D1SD006	○ F017D2SD006	○ F017D3SD006	○ F017D4SD006
● F017D1SD033	● F017D2SD033	● F017D3SD033	● F017D4SD033





@3000K

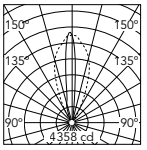
Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1967	0.76
2	492	1.51
3	219	2.27
4	123	3.03
5	79	3.78

Optic Elliptical 12° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017D1TA006	○ F017D2TA006	○ F017D3TA006	○ F017D4TA006
● F017D1TA033	● F017D2TA033	● F017D3TA033	● F017D4TA033
1-10V	1-10V	1-10V	1-10V
○ F017D1TB006	○ F017D2TB006	○ F017D3TB006	○ F017D4TB006
● F017D1TB033	● F017D2TB033	● F017D3TB033	● F017D4TB033
Dali	Dali	Dali	Dali
○ F017D1TD006	○ F017D2TD006	○ F017D3TD006	○ F017D4TD006
● F017D1TD033	● F017D2TD033	● F017D3TD033	● F017D4TD033



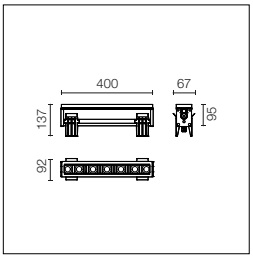


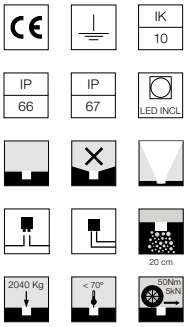
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	4356	0.21
2	1089	0.42
3	484	0.62
4	272	0.83
5	174	1.04

Ingraze Fixed Frameless L 400







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

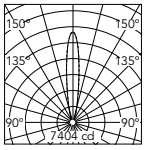
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1AA006	○ F017J2AA006	○ F017J3AA006	○ F017J4AA006
● F017J1AA033	● F017J2AA033	● F017J3AA033	● F017J4AA033
1-10V	1-10V	1-10V	1-10V
○ F017J1AB006	○ F017J2AB006	○ F017J3AB006	○ F017J4AB006
● F017J1AB033	● F017J2AB033	● F017J3AB033	● F017J4AB033
Dali	Dali	Dali	Dali
○ F017J1AD006	○ F017J2AD006	○ F017J3AD006	○ F017J4AD006
● F017J1AD033	● F017J2AD033	● F017J3AD033	● F017J4AD033





@3000K

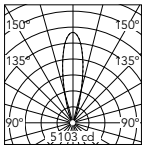
Beam Angle:	16°
h(m)	E(lx) D(m)
1	7404 0.27
2	1851 0.55
3	823 0.82
4	463 1.09
5	296 1.37

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1BA006	○ F017J2BA006	○ F017J3BA006	○ F017J4BA006
● F017J1BA033	● F017J2BA033	● F017J3BA033	● F017J4BA033
1-10V	1-10V	1-10V	1-10V
○ F017J1BB006	○ F017J2BB006	○ F017J3BB006	○ F017J4BB006
● F017J1BB033	● F017J2BB033	● F017J3BB033	● F017J4BB033
Dali	Dali	Dali	Dali
○ F017J1BD006	○ F017J2BD006	○ F017J3BD006	○ F017J4BD006
● F017J1BD033	● F017J2BD033	● F017J3BD033	● F017J4BD033





@3000K

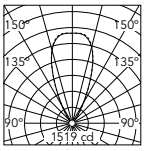
Beam Angle:	25°
h(m)	E(lx) D(m)
1	5103 0.44
2	1276 0.88
3	567 1.32
4	319 1.76
5	204 2.20

Optic Flood 46°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1CA006	○ F017J2CA006	○ F017J3CA006	○ F017J4CA006
● F017J1CA033	● F017J2CA033	● F017J3CA033	● F017J4CA033
1-10V	1-10V	1-10V	1-10V
○ F017J1CB006	○ F017J2CB006	○ F017J3CB006	○ F017J4CB006
● F017J1CB033	● F017J2CB033	● F017J3CB033	● F017J4CB033
Dali	Dali	Dali	Dali
○ F017J1CD006	○ F017J2CD006	○ F017J3CD006	○ F017J4CD006
● F017J1CD033	● F017J2CD033	● F017J3CD033	● F017J4CD033





@3000K

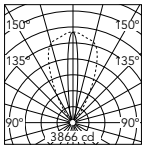
Beam Angle:	46°
h(m)	E(lx) D(m)
1	1511 0.85
2	378 1.71
3	168 2.56
4	94 3.42
5	60 4.27

Optic Elliptical 12° x 50°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1DA006	○ F017J2DA006	○ F017J3DA006	○ F017J4DA006
● F017J1DA033	● F017J2DA033	● F017J3DA033	● F017J4DA033
1-10V	1-10V	1-10V	1-10V
○ F017J1DB006	○ F017J2DB006	○ F017J3DB006	○ F017J4DB006
● F017J1DB033	● F017J2DB033	● F017J3DB033	● F017J4DB033
Dali	Dali	Dali	Dali
○ F017J1DD006	○ F017J2DD006	○ F017J3DD006	○ F017J4DD006
● F017J1DD033	● F017J2DD033	● F017J3DD033	● F017J4DD033

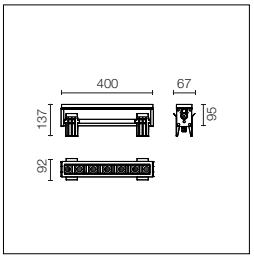


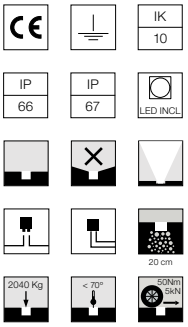


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	3866 0.22
2	966 0.44
3	430 0.66
4	242 0.87
5	155 1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

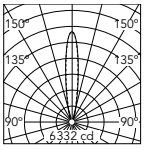
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1HA006	○ F017J2HA006	○ F017J3HA006	○ F017J4HA006
● F017J1HA033	● F017J2HA033	● F017J3HA033	● F017J4HA033
1-10V	1-10V	1-10V	1-10V
○ F017J1HB006	○ F017J2HB006	○ F017J3HB006	○ F017J4HB006
● F017J1HB033	● F017J2HB033	● F017J3HB033	● F017J4HB033
Dali	Dali	Dali	Dali
○ F017J1HD006	○ F017J2HD006	○ F017J3HD006	○ F017J4HD006
● F017J1HD033	● F017J2HD033	● F017J3HD033	● F017J4HD033

16°
SPOT



@3000K

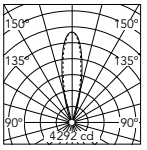
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	6332	0.28
2	1583	0.56
3	704	0.83
4	396	1.11
5	253	1.39

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1JA006	○ F017J2JA006	○ F017J3JA006	○ F017J4JA006
● F017J1JA033	● F017J2JA033	● F017J3JA033	● F017J4JA033
1-10V	1-10V	1-10V	1-10V
○ F017J1JB006	○ F017J2JB006	○ F017J3JB006	○ F017J4JB006
● F017J1JB033	● F017J2JB033	● F017J3JB033	● F017J4JB033
Dali	Dali	Dali	Dali
○ F017J1JD006	○ F017J2JD006	○ F017J3JD006	○ F017J4JD006
● F017J1JD033	● F017J2JD033	● F017J3JD033	● F017J4JD033

25°
MEDIUM



@3000K

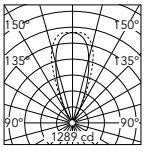
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	4292	0.44
2	1073	0.87
3	477	1.31
4	268	1.74
5	172	2.18

Optic Flood 39°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1KA006	○ F017J2KA006	○ F017J3KA006	○ F017J4KA006
● F017J1KA033	● F017J2KA033	● F017J3KA033	● F017J4KA033
1-10V	1-10V	1-10V	1-10V
○ F017J1KB006	○ F017J2KB006	○ F017J3KB006	○ F017J4KB006
● F017J1KB033	● F017J2KB033	● F017J3KB033	● F017J4KB033
Dali	Dali	Dali	Dali
○ F017J1KD006	○ F017J2KD006	○ F017J3KD006	○ F017J4KD006
● F017J1KD033	● F017J2KD033	● F017J3KD033	● F017J4KD033

39°
FLOOD



@3000K

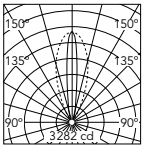
Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	1285	0.71
2	321	1.43
3	143	2.14
4	80	2.86
5	51	3.57

Optic Elliptical 13° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1LA006	○ F017J2LA006	○ F017J3LA006	○ F017J4LA006
● F017J1LA033	● F017J2LA033	● F017J3LA033	● F017J4LA033
1-10V	1-10V	1-10V	1-10V
○ F017J1LB006	○ F017J2LB006	○ F017J3LB006	○ F017J4LB006
● F017J1LB033	● F017J2LB033	● F017J3LB033	● F017J4LB033
Dali	Dali	Dali	Dali
○ F017J1LD006	○ F017J2LD006	○ F017J3LD006	○ F017J4LD006
● F017J1LD033	● F017J2LD033	● F017J3LD033	● F017J4LD033

13°x40°
ELLIPTICAL

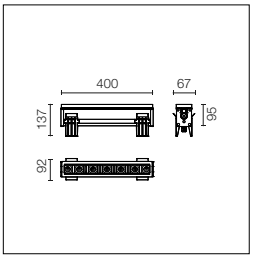


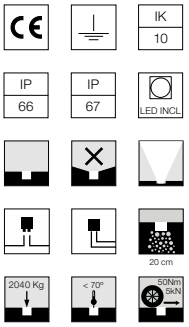
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	3282	0.22
2	820	0.44
3	365	0.67
4	205	0.89
5	131	1.11

Ingraze Fixed Frameless + Asymmetric Louvre L 400







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

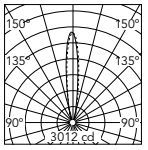
Optic Spot 15°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1QA006	○ F017J2QA006	○ F017J3QA006	○ F017J4QA006
● F017J1QA033	● F017J2QA033	● F017J3QA033	● F017J4QA033
1-10V	1-10V	1-10V	1-10V
○ F017J1QB006	○ F017J2QB006	○ F017J3QB006	○ F017J4QB006
● F017J1QB033	● F017J2QB033	● F017J3QB033	● F017J4QB033
Dali	Dali	Dali	Dali
○ F017J1QD006	○ F017J2QD006	○ F017J3QD006	○ F017J4QD006
● F017J1QD033	● F017J2QD033	● F017J3QD033	● F017J4QD033



SPOT



@3000K

Beam Angle:	15°
h(m)	E(lx) D(m)
1	3010 0.25
2	753 0.51
3	334 0.76
4	188 1.02
5	120 1.27

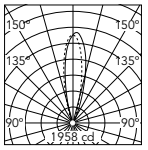
Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1RA006	○ F017J2RA006	○ F017J3RA006	○ F017J4RA006
● F017J1RA033	● F017J2RA033	● F017J3RA033	● F017J4RA033
1-10V	1-10V	1-10V	1-10V
○ F017J1RB006	○ F017J2RB006	○ F017J3RB006	○ F017J4RB006
● F017J1RB033	● F017J2RB033	● F017J3RB033	● F017J4RB033
Dali	Dali	Dali	Dali
○ F017J1RD006	○ F017J2RD006	○ F017J3RD006	○ F017J4RD006
● F017J1RD033	● F017J2RD033	● F017J3RD033	● F017J4RD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1955 0.45
2	489 0.89
3	217 1.34
4	122 1.78
5	78 2.23

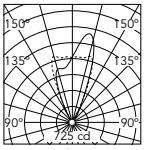
Optic Flood 42°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 283 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1SA006	○ F017J2SA006	○ F017J3SA006	○ F017J4SA006
● F017J1SA033	● F017J2SA033	● F017J3SA033	● F017J4SA033
1-10V	1-10V	1-10V	1-10V
○ F017J1SB006	○ F017J2SB006	○ F017J3SB006	○ F017J4SB006
● F017J1SB033	● F017J2SB033	● F017J3SB033	● F017J4SB033
Dali	Dali	Dali	Dali
○ F017J1SD006	○ F017J2SD006	○ F017J3SD006	○ F017J4SD006
● F017J1SD033	● F017J2SD033	● F017J3SD033	● F017J4SD033



FLOOD



@3000K

Beam Angle:	42°
h(m)	E(lx) D(m)
1	688 0.76
2	172 1.51
3	76 2.27
4	43 3.03
5	28 3.78

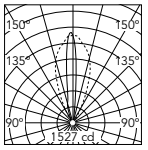
Optic Elliptical 12° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017J1TA006	○ F017J2TA006	○ F017J3TA006	○ F017J4TA006
● F017J1TA033	● F017J2TA033	● F017J3TA033	● F017J4TA033
1-10V	1-10V	1-10V	1-10V
○ F017J1TB006	○ F017J2TB006	○ F017J3TB006	○ F017J4TB006
● F017J1TB033	● F017J2TB033	● F017J3TB033	● F017J4TB033
Dali	Dali	Dali	Dali
○ F017J1TD006	○ F017J2TD006	○ F017J3TD006	○ F017J4TD006
● F017J1TD033	● F017J2TD033	● F017J3TD033	● F017J4TD033



ELLIPTICAL

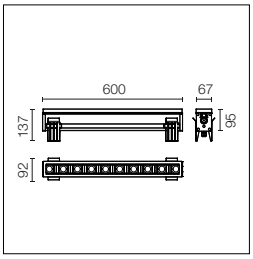


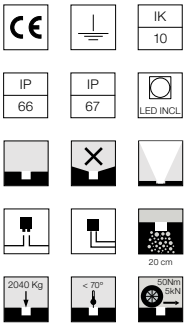
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	1526 0.21
2	382 0.42
3	170 0.62
4	95 0.83
5	61 1.04

Ingraze Fixed Frameless L 600







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

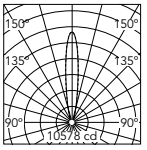
Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1AA006	○ F017K2AA006	○ F017K3AA006	○ F017K4AA006
● F017K1AA033	● F017K2AA033	● F017K3AA033	● F017K4AA033
1-10V	1-10V	1-10V	1-10V
○ F017K1AB006	○ F017K2AB006	○ F017K3AB006	○ F017K4AB006
● F017K1AB033	● F017K2AB033	● F017K3AB033	● F017K4AB033
Dali	Dali	Dali	Dali
○ F017K1AD006	○ F017K2AD006	○ F017K3AD006	○ F017K4AD006
● F017K1AD033	● F017K2AD033	● F017K3AD033	● F017K4AD033



SPOT



@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	10578	0.27
2	2644	0.55
3	1175	0.82
4	661	1.09
5	423	1.37

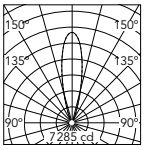
Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1BA006	○ F017K2BA006	○ F017K3BA006	○ F017K4BA006
● F017K1BA033	● F017K2BA033	● F017K3BA033	● F017K4BA033
1-10V	1-10V	1-10V	1-10V
○ F017K1BB006	○ F017K2BB006	○ F017K3BB006	○ F017K4BB006
● F017K1BB033	● F017K2BB033	● F017K3BB033	● F017K4BB033
Dali	Dali	Dali	Dali
○ F017K1BD006	○ F017K2BD006	○ F017K3BD006	○ F017K4BD006
● F017K1BD033	● F017K2BD033	● F017K3BD033	● F017K4BD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	7285	0.44
2	1821	0.88
3	809	1.32
4	455	1.76
5	291	2.20

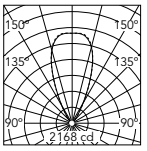
Optic Flood 46°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1CA006	○ F017K2CA006	○ F017K3CA006	○ F017K4CA006
● F017K1CA033	● F017K2CA033	● F017K3CA033	● F017K4CA033
1-10V	1-10V	1-10V	1-10V
○ F017K1CB006	○ F017K2CB006	○ F017K3CB006	○ F017K4CB006
● F017K1CB033	● F017K2CB033	● F017K3CB033	● F017K4CB033
Dali	Dali	Dali	Dali
○ F017K1CD006	○ F017K2CD006	○ F017K3CD006	○ F017K4CD006
● F017K1CD033	● F017K2CD033	● F017K3CD033	● F017K4CD033



FLOOD



@3000K

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	2158	0.85
2	539	1.71
3	240	2.56
4	135	3.42
5	86	4.27

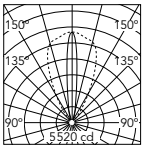
Optic Elliptical 12° x 50°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1DA006	○ F017K2DA006	○ F017K3DA006	○ F017K4DA006
● F017K1DA033	● F017K2DA033	● F017K3DA033	● F017K4DA033
1-10V	1-10V	1-10V	1-10V
○ F017K1DB006	○ F017K2DB006	○ F017K3DB006	○ F017K4DB006
● F017K1DB033	● F017K2DB033	● F017K3DB033	● F017K4DB033
Dali	Dali	Dali	Dali
○ F017K1DD006	○ F017K2DD006	○ F017K3DD006	○ F017K4DD006
● F017K1DD033	● F017K2DD033	● F017K3DD033	● F017K4DD033



ELLIPTICAL

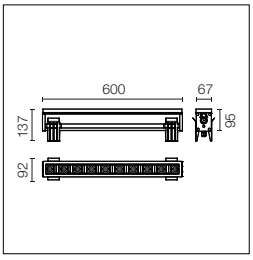


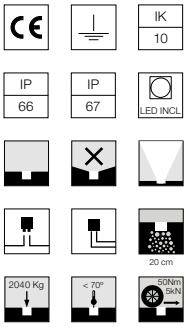
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	5519	0.22
2	1380	0.44
3	613	0.66
4	345	0.87
5	221	1.09

Ingraze Fixed Frameless + Linear Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

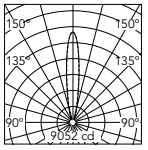
Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1HA006	○ F017K2HA006	○ F017K3HA006	○ F017K4HA006
● F017K1HA033	● F017K2HA033	● F017K3HA033	● F017K4HA033
1-10V	1-10V	1-10V	1-10V
○ F017K1HB006	○ F017K2HB006	○ F017K3HB006	○ F017K4HB006
● F017K1HB033	● F017K2HB033	● F017K3HB033	● F017K4HB033
Dali	Dali	Dali	Dali
○ F017K1HD006	○ F017K2HD006	○ F017K3HD006	○ F017K4HD006
● F017K1HD033	● F017K2HD033	● F017K3HD033	● F017K4HD033



SPOT



@3000K

Beam Angle:	16°
h(m)	E(lx) D(m)
1	9052 0.28
2	2263 0.56
3	1006 0.83
4	566 1.11
5	362 1.39

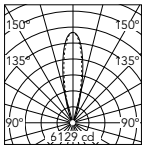
Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1JA006	○ F017K2JA006	○ F017K3JA006	○ F017K4JA006
● F017K1JA033	● F017K2JA033	● F017K3JA033	● F017K4JA033
1-10V	1-10V	1-10V	1-10V
○ F017K1JB006	○ F017K2JB006	○ F017K3JB006	○ F017K4JB006
● F017K1JB033	● F017K2JB033	● F017K3JB033	● F017K4JB033
Dali	Dali	Dali	Dali
○ F017K1JD006	○ F017K2JD006	○ F017K3JD006	○ F017K4JD006
● F017K1JD033	● F017K2JD033	● F017K3JD033	● F017K4JD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	6129 0.44
2	1532 0.87
3	681 1.31
4	383 1.74
5	245 2.18

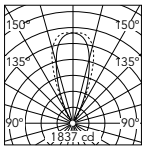
Optic Flood 39°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1KA006	○ F017K2KA006	○ F017K3KA006	○ F017K4KA006
● F017K1KA033	● F017K2KA033	● F017K3KA033	● F017K4KA033
1-10V	1-10V	1-10V	1-10V
○ F017K1KB006	○ F017K2KB006	○ F017K3KB006	○ F017K4KB006
● F017K1KB033	● F017K2KB033	● F017K3KB033	● F017K4KB033
Dali	Dali	Dali	Dali
○ F017K1KD006	○ F017K2KD006	○ F017K3KD006	○ F017K4KD006
● F017K1KD033	● F017K2KD033	● F017K3KD033	● F017K4KD033



FLOOD



@3000K

Beam Angle:	39°
h(m)	E(lx) D(m)
1	1832 0.71
2	458 1.43
3	204 2.14
4	115 2.86
5	73 3.57

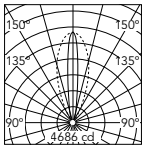
Optic Elliptical 13° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1LA006	○ F017K2LA006	○ F017K3LA006	○ F017K4LA006
● F017K1LA033	● F017K2LA033	● F017K3LA033	● F017K4LA033
1-10V	1-10V	1-10V	1-10V
○ F017K1LB006	○ F017K2LB006	○ F017K3LB006	○ F017K4LB006
● F017K1LB033	● F017K2LB033	● F017K3LB033	● F017K4LB033
Dali	Dali	Dali	Dali
○ F017K1LD006	○ F017K2LD006	○ F017K3LD006	○ F017K4LD006
● F017K1LD033	● F017K2LD033	● F017K3LD033	● F017K4LD033



ELLIPTICAL

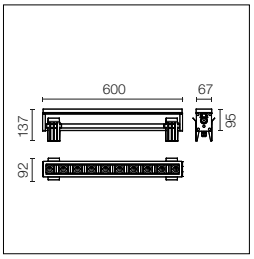


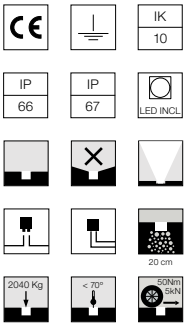
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	4686 0.22
2	1172 0.44
3	521 0.67
4	293 0.89
5	187 1.11

Ingraze Fixed Frameless + Asymmetric Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

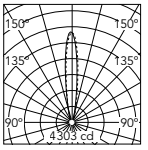
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1QA006	○ F017K2QA006	○ F017K3QA006	○ F017K4QA006
● F017K1QA033	● F017K2QA033	● F017K3QA033	● F017K4QA033
1-10V	1-10V	1-10V	1-10V
○ F017K1QB006	○ F017K2QB006	○ F017K3QB006	○ F017K4QB006
● F017K1QB033	● F017K2QB033	● F017K3QB033	● F017K4QB033
Dali	Dali	Dali	Dali
○ F017K1QD006	○ F017K2QD006	○ F017K3QD006	○ F017K4QD006
● F017K1QD033	● F017K2QD033	● F017K3QD033	● F017K4QD033

15°
SPOT



@3000K

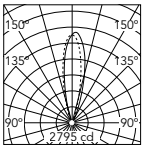
Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	4300	0.25
2	1075	0.51
3	478	0.76
4	269	1.02
5	172	1.27

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1RA006	○ F017K2RA006	○ F017K3RA006	○ F017K4RA006
● F017K1RA033	● F017K2RA033	● F017K3RA033	● F017K4RA033
1-10V	1-10V	1-10V	1-10V
○ F017K1RB006	○ F017K2RB006	○ F017K3RB006	○ F017K4RB006
● F017K1RB033	● F017K2RB033	● F017K3RB033	● F017K4RB033
Dali	Dali	Dali	Dali
○ F017K1RD006	○ F017K2RD006	○ F017K3RD006	○ F017K4RD006
● F017K1RD033	● F017K2RD033	● F017K3RD033	● F017K4RD033

25°
MEDIUM



@3000K

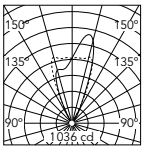
Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	2790	0.45
2	698	0.89
3	310	1.34
4	174	1.78
5	112	2.23

Optic Flood 42°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1SA006	○ F017K2SA006	○ F017K3SA006	○ F017K4SA006
● F017K1SA033	● F017K2SA033	● F017K3SA033	● F017K4SA033
1-10V	1-10V	1-10V	1-10V
○ F017K1SB006	○ F017K2SB006	○ F017K3SB006	○ F017K4SB006
● F017K1SB033	● F017K2SB033	● F017K3SB033	● F017K4SB033
Dali	Dali	Dali	Dali
○ F017K1SD006	○ F017K2SD006	○ F017K3SD006	○ F017K4SD006
● F017K1SD033	● F017K2SD033	● F017K3SD033	● F017K4SD033

42°
FLOOD



@3000K

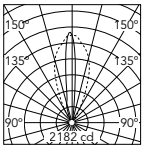
Beam Angle: 42°		
h(m)	E(lx)	D(m)
1	983	0.76
2	246	1.51
3	109	2.27
4	61	3.03
5	39	3.78

Optic Elliptical 12° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017K1TA006	○ F017K2TA006	○ F017K3TA006	○ F017K4TA006
● F017K1TA033	● F017K2TA033	● F017K3TA033	● F017K4TA033
1-10V	1-10V	1-10V	1-10V
○ F017K1TB006	○ F017K2TB006	○ F017K3TB006	○ F017K4TB006
● F017K1TB033	● F017K2TB033	● F017K3TB033	● F017K4TB033
Dali	Dali	Dali	Dali
○ F017K1TD006	○ F017K2TD006	○ F017K3TD006	○ F017K4TD006
● F017K1TD033	● F017K2TD033	● F017K3TD033	● F017K4TD033

12°x40°
ELLIPTICAL

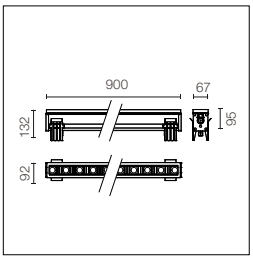


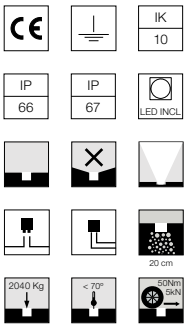
@3000K

Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	2181	0.21
2	545	0.42
3	242	0.62
4	136	0.83
5	87	1.04

Ingraze Fixed Frameless L 900







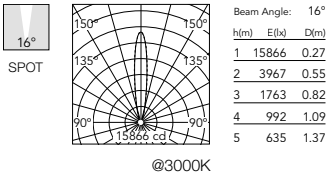
Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1AA006	○ F017L2AA006	○ F017L3AA006	○ F017L4AA006
● F017L1AA033	● F017L2AA033	● F017L3AA033	● F017L4AA033
1-10V	1-10V	1-10V	1-10V
○ F017L1AB006	○ F017L2AB006	○ F017L3AB006	○ F017L4AB006
● F017L1AB033	● F017L2AB033	● F017L3AB033	● F017L4AB033
Dali	Dali	Dali	Dali
○ F017L1AD006	○ F017L2AD006	○ F017L3AD006	○ F017L4AD006
● F017L1AD033	● F017L2AD033	● F017L3AD033	● F017L4AD033

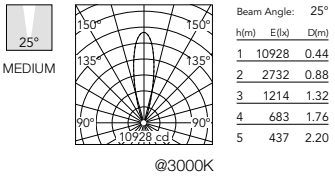


Beam Angle:	16°
h(m)	E(lx) D(m)
1	15866 0.27
2	3967 0.55
3	1763 0.82
4	992 1.09
5	635 1.37

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1BA006	○ F017L2BA006	○ F017L3BA006	○ F017L4BA006
● F017L1BA033	● F017L2BA033	● F017L3BA033	● F017L4BA033
1-10V	1-10V	1-10V	1-10V
○ F017L1BB006	○ F017L2BB006	○ F017L3BB006	○ F017L4BB006
● F017L1BB033	● F017L2BB033	● F017L3BB033	● F017L4BB033
Dali	Dali	Dali	Dali
○ F017L1BD006	○ F017L2BD006	○ F017L3BD006	○ F017L4BD006
● F017L1BD033	● F017L2BD033	● F017L3BD033	● F017L4BD033

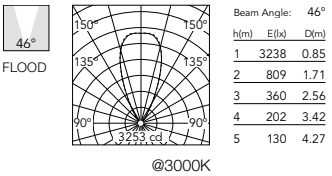


Beam Angle:	25°
h(m)	E(lx) D(m)
1	10928 0.44
2	2732 0.88
3	1214 1.32
4	683 1.76
5	437 2.20

Optic Flood 46°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1CA006	○ F017L2CA006	○ F017L3CA006	○ F017L4CA006
● F017L1CA033	● F017L2CA033	● F017L3CA033	● F017L4CA033
1-10V	1-10V	1-10V	1-10V
○ F017L1CB006	○ F017L2CB006	○ F017L3CB006	○ F017L4CB006
● F017L1CB033	● F017L2CB033	● F017L3CB033	● F017L4CB033
Dali	Dali	Dali	Dali
○ F017L1CD006	○ F017L2CD006	○ F017L3CD006	○ F017L4CD006
● F017L1CD033	● F017L2CD033	● F017L3CD033	● F017L4CD033

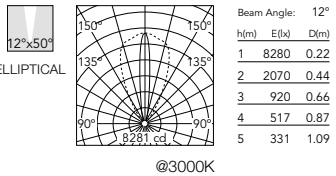


Beam Angle:	46°
h(m)	E(lx) D(m)
1	3238 0.85
2	809 1.71
3	360 2.56
4	202 3.42
5	130 4.27

Optic Elliptical 12° x 50°

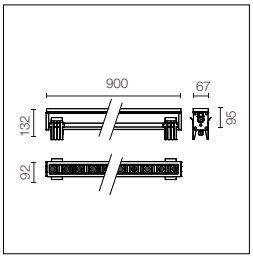
Power Led: 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

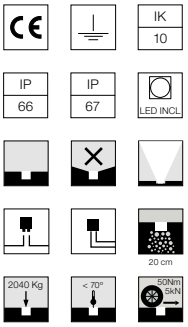
2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1DA006	○ F017L2DA006	○ F017L3DA006	○ F017L4DA006
● F017L1DA033	● F017L2DA033	● F017L3DA033	● F017L4DA033
1-10V	1-10V	1-10V	1-10V
○ F017L1DB006	○ F017L2DB006	○ F017L3DB006	○ F017L4DB006
● F017L1DB033	● F017L2DB033	● F017L3DB033	● F017L4DB033
Dali	Dali	Dali	Dali
○ F017L1DD006	○ F017L2DD006	○ F017L3DD006	○ F017L4DD006
● F017L1DD033	● F017L2DD033	● F017L3DD033	● F017L4DD033



Beam Angle:	12°
h(m)	E(lx) D(m)
1	8280 0.22
2	2070 0.44
3	920 0.66
4	517 0.87
5	331 1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

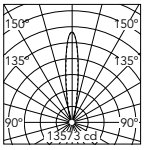
Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1HA006	○ F017L2HA006	○ F017L3HA006	○ F017L4HA006
● F017L1HA033	● F017L2HA033	● F017L3HA033	● F017L4HA033
1-10V	1-10V	1-10V	1-10V
○ F017L1HB006	○ F017L2HB006	○ F017L3HB006	○ F017L4HB006
● F017L1HB033	● F017L2HB033	● F017L3HB033	● F017L4HB033
Dali	Dali	Dali	Dali
○ F017L1HD006	○ F017L2HD006	○ F017L3HD006	○ F017L4HD006
● F017L1HD033	● F017L2HD033	● F017L3HD033	● F017L4HD033



SPOT



@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	13573	0.28
2	3393	0.56
3	1508	0.83
4	848	1.11
5	543	1.39

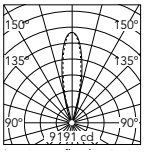
Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1JA006	○ F017L2JA006	○ F017L3JA006	○ F017L4JA006
● F017L1JA033	● F017L2JA033	● F017L3JA033	● F017L4JA033
1-10V	1-10V	1-10V	1-10V
○ F017L1JB006	○ F017L2JB006	○ F017L3JB006	○ F017L4JB006
● F017L1JB033	● F017L2JB033	● F017L3JB033	● F017L4JB033
Dali	Dali	Dali	Dali
○ F017L1JD006	○ F017L2JD006	○ F017L3JD006	○ F017L4JD006
● F017L1JD033	● F017L2JD033	● F017L3JD033	● F017L4JD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	9191	0.44
2	2298	0.87
3	1021	1.31
4	574	1.74
5	368	2.18

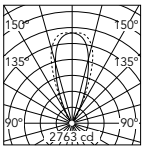
Optic Flood 39°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1KA006	○ F017L2KA006	○ F017L3KA006	○ F017L4KA006
● F017L1KA033	● F017L2KA033	● F017L3KA033	● F017L4KA033
1-10V	1-10V	1-10V	1-10V
○ F017L1KB006	○ F017L2KB006	○ F017L3KB006	○ F017L4KB006
● F017L1KB033	● F017L2KB033	● F017L3KB033	● F017L4KB033
Dali	Dali	Dali	Dali
○ F017L1KD006	○ F017L2KD006	○ F017L3KD006	○ F017L4KD006
● F017L1KD033	● F017L2KD033	● F017L3KD033	● F017L4KD033



FLOOD



@3000K

Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	2755	0.71
2	689	1.43
3	306	2.14
4	172	2.86
5	110	3.57

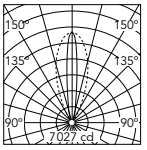
Optic Elliptical 13° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1LA006	○ F017L2LA006	○ F017L3LA006	○ F017L4LA006
● F017L1LA033	● F017L2LA033	● F017L3LA033	● F017L4LA033
	1-10V	1-10V	1-10V
○ F017L1LB006	○ F017L2LB006	○ F017L3LB006	○ F017L4LB006
● F017L1LB033	● F017L2LB033	● F017L3LB033	● F017L4LB033
	Dali	Dali	Dali
○ F017L1LD006	○ F017L2LD006	○ F017L3LD006	○ F017L4LD006
● F017L1LD033	● F017L2LD033	● F017L3LD033	● F017L4LD033



ELLIPTICAL

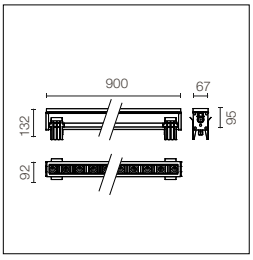


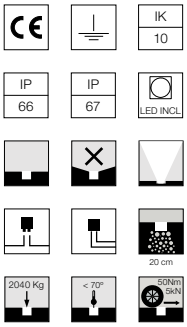
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	7027	0.22
2	1757	0.44
3	781	0.67
4	439	0.89
5	281	1.11

Ingraze Fixed Frameless + Asymmetric Louvre L 900







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

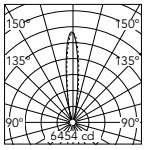
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1QA006	○ F017L2QA006	○ F017L3QA006	○ F017L4QA006
● F017L1QA033	● F017L2QA033	● F017L3QA033	● F017L4QA033
1-10V	1-10V	1-10V	1-10V
○ F017L1QB006	○ F017L2QB006	○ F017L3QB006	○ F017L4QB006
● F017L1QB033	● F017L2QB033	● F017L3QB033	● F017L4QB033
Dali	Dali	Dali	Dali
○ F017L1QD006	○ F017L2QD006	○ F017L3QD006	○ F017L4QD006
● F017L1QD033	● F017L2QD033	● F017L3QD033	● F017L4QD033





@3000K

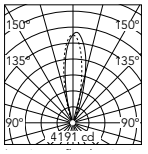
Beam Angle:	15°
h(m)	E(lx) D(m)
1	6451 0.25
2	1613 0.51
3	717 0.76
4	403 1.02
5	258 1.27

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1RA006	○ F017L2RA006	○ F017L3RA006	○ F017L4RA006
● F017L1RA033	● F017L2RA033	● F017L3RA033	● F017L4RA033
1-10V	1-10V	1-10V	1-10V
○ F017L1RB006	○ F017L2RB006	○ F017L3RB006	○ F017L4RB006
● F017L1RB033	● F017L2RB033	● F017L3RB033	● F017L4RB033
Dali	Dali	Dali	Dali
○ F017L1RD006	○ F017L2RD006	○ F017L3RD006	○ F017L4RD006
● F017L1RD033	● F017L2RD033	● F017L3RD033	● F017L4RD033





@3000K

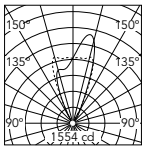
Beam Angle:	25°
h(m)	E(lx) D(m)
1	4183 0.45
2	1046 0.89
3	465 1.34
4	261 1.78
5	167 2.23

Optic Flood 42°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1SA006	○ F017L2SA006	○ F017L3SA006	○ F017L4SA006
● F017L1SA033	● F017L2SA033	● F017L3SA033	● F017L4SA033
1-10V	1-10V	1-10V	1-10V
○ F017L1SB006	○ F017L2SB006	○ F017L3SB006	○ F017L4SB006
● F017L1SB033	● F017L2SB033	● F017L3SB033	● F017L4SB033
Dali	Dali	Dali	Dali
○ F017L1SD006	○ F017L2SD006	○ F017L3SD006	○ F017L4SD006
● F017L1SD033	● F017L2SD033	● F017L3SD033	● F017L4SD033





@3000K

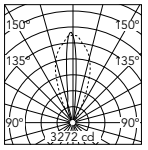
Beam Angle:	42°
h(m)	E(lx) D(m)
1	1474 0.76
2	368 1.51
3	164 2.27
4	92 3.03
5	59 3.78

Optic Elliptical 12° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017L1TA006	○ F017L2TA006	○ F017L3TA006	○ F017L4TA006
● F017L1TA033	● F017L2TA033	● F017L3TA033	● F017L4TA033
1-10V	1-10V	1-10V	1-10V
○ F017L1TB006	○ F017L2TB006	○ F017L3TB006	○ F017L4TB006
● F017L1TB033	● F017L2TB033	● F017L3TB033	● F017L4TB033
Dali	Dali	Dali	Dali
○ F017L1TD006	○ F017L2TD006	○ F017L3TD006	○ F017L4TD006
● F017L1TD033	● F017L2TD033	● F017L3TD033	● F017L4TD033



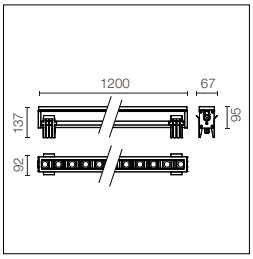


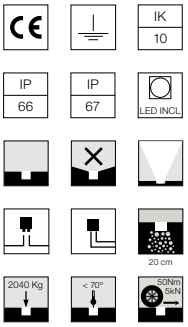
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	3271 0.21
2	818 0.42
3	363 0.62
4	204 0.83
5	131 1.04

Ingraze Fixed Frameless L 1200







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

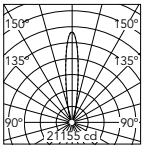
Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1AA006	○ F017M2AA006	○ F017M3AA006	○ F017M4AA006
● F017M1AA033	● F017M2AA033	● F017M3AA033	● F017M4AA033
1-10V	1-10V	1-10V	1-10V
○ F017M1AB006	○ F017M2AB006	○ F017M3AB006	○ F017M4AB006
● F017M1AB033	● F017M2AB033	● F017M3AB033	● F017M4AB033
Dali	Dali	Dali	Dali
○ F017M1AD006	○ F017M2AD006	○ F017M3AD006	○ F017M4AD006
● F017M1AD033	● F017M2AD033	● F017M3AD033	● F017M4AD033



SPOT



@3000K

Beam Angle:	16°
h(m)	E(lx) D(m)
1	21155 0.27
2	5289 0.55
3	2351 0.82
4	1322 1.09
5	846 1.37

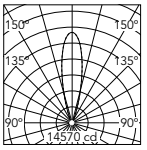
Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1BA006	○ F017M2BA006	○ F017M3BA006	○ F017M4BA006
● F017M1BA033	● F017M2BA033	● F017M3BA033	● F017M4BA033
1-10V	1-10V	1-10V	1-10V
○ F017M1BB006	○ F017M2BB006	○ F017M3BB006	○ F017M4BB006
● F017M1BB033	● F017M2BB033	● F017M3BB033	● F017M4BB033
Dali	Dali	Dali	Dali
○ F017M1BD006	○ F017M2BD006	○ F017M3BD006	○ F017M4BD006
● F017M1BD033	● F017M2BD033	● F017M3BD033	● F017M4BD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	14570 0.44
2	3643 0.88
3	1619 1.32
4	911 1.76
5	583 2.20

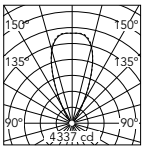
Optic Flood 46°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1CA006	○ F017M2CA006	○ F017M3CA006	○ F017M4CA006
● F017M1CA033	● F017M2CA033	● F017M3CA033	● F017M4CA033
1-10V	1-10V	1-10V	1-10V
○ F017M1CB006	○ F017M2CB006	○ F017M3CB006	○ F017M4CB006
● F017M1CB033	● F017M2CB033	● F017M3CB033	● F017M4CB033
Dali	Dali	Dali	Dali
○ F017M1CD006	○ F017M2CD006	○ F017M3CD006	○ F017M4CD006
● F017M1CD033	● F017M2CD033	● F017M3CD033	● F017M4CD033



FLOOD



@3000K

Beam Angle:	46°
h(m)	E(lx) D(m)
1	4316 0.85
2	1079 1.71
3	480 2.56
4	270 3.42
5	173 4.27

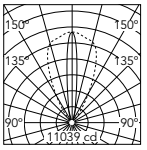
Optic Elliptical 12° x 50°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1DA006	○ F017M2DA006	○ F017M3DA006	○ F017M4DA006
● F017M1DA033	● F017M2DA033	● F017M3DA033	● F017M4DA033
1-10V	1-10V	1-10V	1-10V
○ F017M1DB006	○ F017M2DB006	○ F017M3DB006	○ F017M4DB006
● F017M1DB033	● F017M2DB033	● F017M3DB033	● F017M4DB033
Dali	Dali	Dali	Dali
○ F017M1DD006	○ F017M2DD006	○ F017M3DD006	○ F017M4DD006
● F017M1DD033	● F017M2DD033	● F017M3DD033	● F017M4DD033



ELLIPTICAL

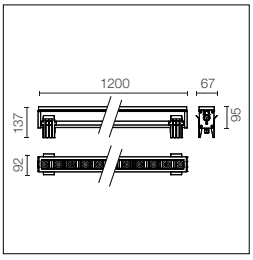


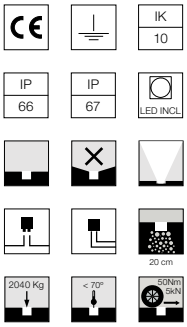
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	11037 0.22
2	2759 0.44
3	1226 0.66
4	690 0.87
5	441 1.09

Ingraze Fixed Frameless + Linear Louvre L 1200







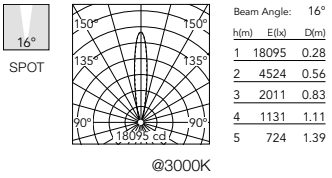
Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017M1HA006	● F017M2HA006	● F017M3HA006	● F017M4HA006
● F017M1HA033	● F017M2HA033	● F017M3HA033	● F017M4HA033
1-10V	1-10V	1-10V	1-10V
● F017M1HB006	● F017M2HB006	● F017M3HB006	● F017M4HB006
● F017M1HB033	● F017M2HB033	● F017M3HB033	● F017M4HB033
Dali	Dali	Dali	Dali
● F017M1HD006	● F017M2HD006	● F017M3HD006	● F017M4HD006
● F017M1HD033	● F017M2HD033	● F017M3HD033	● F017M4HD033



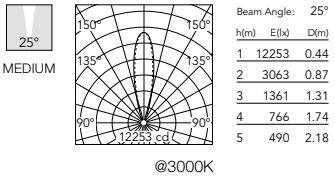
@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	18095	0.28
2	4524	0.56
3	2011	0.83
4	1131	1.11
5	724	1.39

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017M1JA006	● F017M2JA006	● F017M3JA006	● F017M4JA006
● F017M1JA033	● F017M2JA033	● F017M3JA033	● F017M4JA033
1-10V	1-10V	1-10V	1-10V
● F017M1JB006	● F017M2JB006	● F017M3JB006	● F017M4JB006
● F017M1JB033	● F017M2JB033	● F017M3JB033	● F017M4JB033
Dali	Dali	Dali	Dali
● F017M1JD006	● F017M2JD006	● F017M3JD006	● F017M4JD006
● F017M1JD033	● F017M2JD033	● F017M3JD033	● F017M4JD033



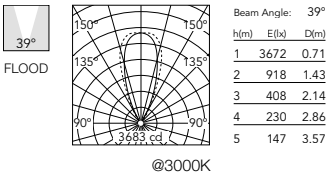
@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	12253	0.44
2	3063	0.87
3	1361	1.31
4	766	1.74
5	490	2.18

Optic Flood 39°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017M1KA006	● F017M2KA006	● F017M3KA006	● F017M4KA006
● F017M1KA033	● F017M2KA033	● F017M3KA033	● F017M4KA033
1-10V	1-10V	1-10V	1-10V
● F017M1KB006	● F017M2KB006	● F017M3KB006	● F017M4KB006
● F017M1KB033	● F017M2KB033	● F017M3KB033	● F017M4KB033
Dali	Dali	Dali	Dali
● F017M1KD006	● F017M2KD006	● F017M3KD006	● F017M4KD006
● F017M1KD033	● F017M2KD033	● F017M3KD033	● F017M4KD033



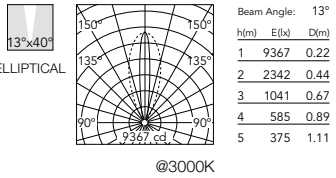
@3000K

Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	3672	0.71
2	918	1.43
3	408	2.14
4	230	2.86
5	147	3.57

Optic Elliptical 13° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

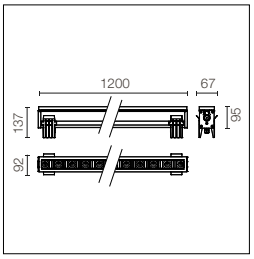
2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017M1LA006	● F017M2LA006	● F017M3LA006	● F017M4LA006
● F017M1LA033	● F017M2LA033	● F017M3LA033	● F017M4LA033
1-10V	1-10V	1-10V	1-10V
● F017M1LB006	● F017M2LB006	● F017M3LB006	● F017M4LB006
● F017M1LB033	● F017M2LB033	● F017M3LB033	● F017M4LB033
Dali	Dali	Dali	Dali
● F017M1LD006	● F017M2LD006	● F017M3LD006	● F017M4LD006
● F017M1LD033	● F017M2LD033	● F017M3LD033	● F017M4LD033

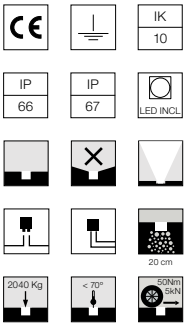


@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	9367	0.22
2	2342	0.44
3	1041	0.67
4	585	0.89
5	375	1.11







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

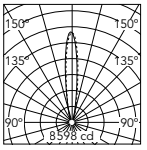
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1QA006	○ F017M2QA006	○ F017M3QA006	○ F017M4QA006
● F017M1QA033	● F017M2QA033	● F017M3QA033	● F017M4QA033
1-10V	1-10V	1-10V	1-10V
○ F017M1QB006	○ F017M2QB006	○ F017M3QB006	○ F017M4QB006
● F017M1QB033	● F017M2QB033	● F017M3QB033	● F017M4QB033
Dali	Dali	Dali	Dali
○ F017M1QD006	○ F017M2QD006	○ F017M3QD006	○ F017M4QD006
● F017M1QD033	● F017M2QD033	● F017M3QD033	● F017M4QD033





@3000K

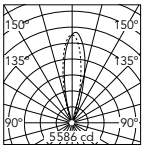
Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	8593	0.25
2	2148	0.51
3	955	0.76
4	537	1.02
5	344	1.27

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1RA006	○ F017M2RA006	○ F017M3RA006	○ F017M4RA006
● F017M1RA033	● F017M2RA033	● F017M3RA033	● F017M4RA033
1-10V	1-10V	1-10V	1-10V
○ F017M1RB006	○ F017M2RB006	○ F017M3RB006	○ F017M4RB006
● F017M1RB033	● F017M2RB033	● F017M3RB033	● F017M4RB033
Dali	Dali	Dali	Dali
○ F017M1RD006	○ F017M2RD006	○ F017M3RD006	○ F017M4RD006
● F017M1RD033	● F017M2RD033	● F017M3RD033	● F017M4RD033





@3000K

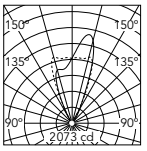
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	5576	0.45
2	1394	0.89
3	620	1.34
4	349	1.78
5	223	2.23

Optic Flood 42°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1SA006	○ F017M2SA006	○ F017M3SA006	○ F017M4SA006
● F017M1SA033	● F017M2SA033	● F017M3SA033	● F017M4SA033
1-10V	1-10V	1-10V	1-10V
○ F017M1SB006	○ F017M2SB006	○ F017M3SB006	○ F017M4SB006
● F017M1SB033	● F017M2SB033	● F017M3SB033	● F017M4SB033
Dali	Dali	Dali	Dali
○ F017M1SD006	○ F017M2SD006	○ F017M3SD006	○ F017M4SD006
● F017M1SD033	● F017M2SD033	● F017M3SD033	● F017M4SD033





@3000K

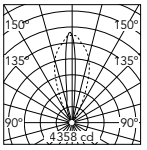
Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1967	0.76
2	492	1.51
3	219	2.27
4	123	3.03
5	79	3.78

Optic Elliptical 12° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017M1TA006	○ F017M2TA006	○ F017M3TA006	○ F017M4TA006
● F017M1TA033	● F017M2TA033	● F017M3TA033	● F017M4TA033
1-10V	1-10V	1-10V	1-10V
○ F017M1TB006	○ F017M2TB006	○ F017M3TB006	○ F017M4TB006
● F017M1TB033	● F017M2TB033	● F017M3TB033	● F017M4TB033
Dali	Dali	Dali	Dali
○ F017M1TD006	○ F017M2TD006	○ F017M3TD006	○ F017M4TD006
● F017M1TD033	● F017M2TD033	● F017M3TD033	● F017M4TD033



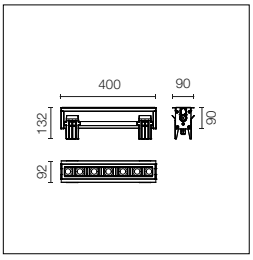


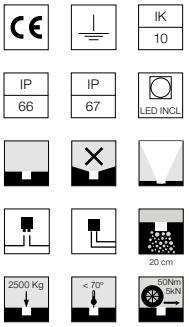
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	4356	0.21
2	1089	0.42
3	484	0.62
4	272	0.83
5	174	1.04

Ingraze Adjustable Frame L 400







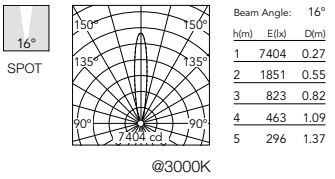
Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1AA006	○ F017E2AA006	○ F017E3AA006	○ F017E4AA006
● F017E1AA033	● F017E2AA033	● F017E3AA033	● F017E4AA033
1-10V	1-10V	1-10V	1-10V
○ F017E1AB006	○ F017E2AB006	○ F017E3AB006	○ F017E4AB006
● F017E1AB033	● F017E2AB033	● F017E3AB033	● F017E4AB033
Dali	Dali	Dali	Dali
○ F017E1AD006	○ F017E2AD006	○ F017E3AD006	○ F017E4AD006
● F017E1AD033	● F017E2AD033	● F017E3AD033	● F017E4AD033



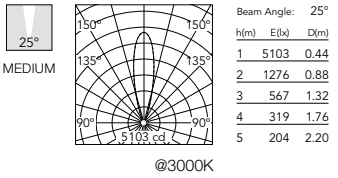
@3000K

Beam Angle:	16°
h(m)	E(lx) D(m)
1	7404 0.27
2	1851 0.55
3	823 0.82
4	463 1.09
5	296 1.37

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1BA006	○ F017E2BA006	○ F017E3BA006	○ F017E4BA006
● F017E1BA033	● F017E2BA033	● F017E3BA033	● F017E4BA033
1-10V	1-10V	1-10V	1-10V
○ F017E1BB006	○ F017E2BB006	○ F017E3BB006	○ F017E4BB006
● F017E1BB033	● F017E2BB033	● F017E3BB033	● F017E4BB033
Dali	Dali	Dali	Dali
○ F017E1BD006	○ F017E2BD006	○ F017E3BD006	○ F017E4BD006
● F017E1BD033	● F017E2BD033	● F017E3BD033	● F017E4BD033



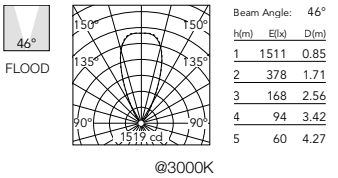
@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	5103 0.44
2	1276 0.88
3	567 1.32
4	319 1.76
5	204 2.20

Optic Flood 46°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1CA006	○ F017E2CA006	○ F017E3CA006	○ F017E4CA006
● F017E1CA033	● F017E2CA033	● F017E3CA033	● F017E4CA033
1-10V	1-10V	1-10V	1-10V
○ F017E1CB006	○ F017E2CB006	○ F017E3CB006	○ F017E4CB006
● F017E1CB033	● F017E2CB033	● F017E3CB033	● F017E4CB033
Dali	Dali	Dali	Dali
○ F017E1CD006	○ F017E2CD006	○ F017E3CD006	○ F017E4CD006
● F017E1CD033	● F017E2CD033	● F017E3CD033	● F017E4CD033



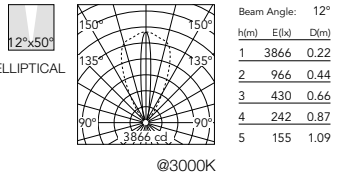
@3000K

Beam Angle:	46°
h(m)	E(lx) D(m)
1	1511 0.85
2	378 1.71
3	168 2.56
4	94 3.42
5	60 4.27

Optic Elliptical 12° x 50°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1DA006	○ F017E2DA006	○ F017E3DA006	○ F017E4DA006
● F017E1DA033	● F017E2DA033	● F017E3DA033	● F017E4DA033
1-10V	1-10V	1-10V	1-10V
○ F017E1DB006	○ F017E2DB006	○ F017E3DB006	○ F017E4DB006
● F017E1DB033	● F017E2DB033	● F017E3DB033	● F017E4DB033
Dali	Dali	Dali	Dali
○ F017E1DD006	○ F017E2DD006	○ F017E3DD006	○ F017E4DD006
● F017E1DD033	● F017E2DD033	● F017E3DD033	● F017E4DD033

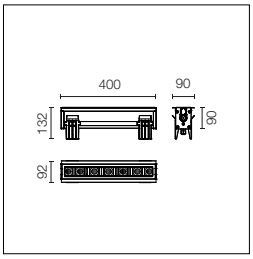


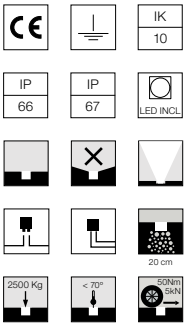
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	3866 0.22
2	966 0.44
3	430 0.66
4	242 0.87
5	155 1.09

Ingraze Adjustable Frame + Linear Louvre L 400







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

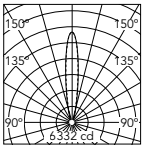
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017E1HA006	● F017E2HA006	● F017E3HA006	● F017E4HA006
● F017E1HA033	● F017E2HA033	● F017E3HA033	● F017E4HA033
1-10V	1-10V	1-10V	1-10V
● F017E1HB006	● F017E2HB006	● F017E3HB006	● F017E4HB006
● F017E1HB033	● F017E2HB033	● F017E3HB033	● F017E4HB033
Dali	Dali	Dali	Dali
● F017E1HD006	● F017E2HD006	● F017E3HD006	● F017E4HD006
● F017E1HD033	● F017E2HD033	● F017E3HD033	● F017E4HD033





@3000K

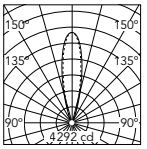
Beam Angle:	16°
h(m)	E(lx) D(m)
1	6332 0.28
2	1583 0.56
3	704 0.83
4	396 1.11
5	253 1.39

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017E1JA006	● F017E2JA006	● F017E3JA006	● F017E4JA006
● F017E1JA033	● F017E2JA033	● F017E3JA033	● F017E4JA033
1-10V	1-10V	1-10V	1-10V
● F017E1JB006	● F017E2JB006	● F017E3JB006	● F017E4JB006
● F017E1JB033	● F017E2JB033	● F017E3JB033	● F017E4JB033
Dali	Dali	Dali	Dali
● F017E1JD006	● F017E2JD006	● F017E3JD006	● F017E4JD006
● F017E1JD033	● F017E2JD033	● F017E3JD033	● F017E4JD033





@3000K

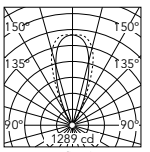
Beam Angle:	25°
h(m)	E(lx) D(m)
1	4292 0.44
2	1073 0.87
3	477 1.31
4	268 1.74
5	172 2.18

Optic Flood 39°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017E1KA006	● F017E2KA006	● F017E3KA006	● F017E4KA006
● F017E1KA033	● F017E2KA033	● F017E3KA033	● F017E4KA033
1-10V	1-10V	1-10V	1-10V
● F017E1KB006	● F017E2KB006	● F017E3KB006	● F017E4KB006
● F017E1KB033	● F017E2KB033	● F017E3KB033	● F017E4KB033
Dali	Dali	Dali	Dali
● F017E1KD006	● F017E2KD006	● F017E3KD006	● F017E4KD006
● F017E1KD033	● F017E2KD033	● F017E3KD033	● F017E4KD033





@3000K

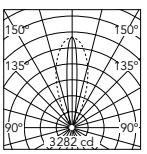
Beam Angle:	39°
h(m)	E(lx) D(m)
1	1285 0.71
2	321 1.43
3	143 2.14
4	80 2.86
5	51 3.57

Optic Elliptical 13° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017E1LA006	● F017E2LA006	● F017E3LA006	● F017E4LA006
● F017E1LA033	● F017E2LA033	● F017E3LA033	● F017E4LA033
1-10V	1-10V	1-10V	1-10V
● F017E1LB006	● F017E2LB006	● F017E3LB006	● F017E4LB006
● F017E1LB033	● F017E2LB033	● F017E3LB033	● F017E4LB033
Dali	Dali	Dali	Dali
● F017E1LD006	● F017E2LD006	● F017E3LD006	● F017E4LD006
● F017E1LD033	● F017E2LD033	● F017E3LD033	● F017E4LD033



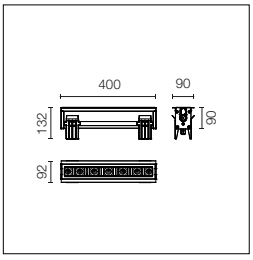


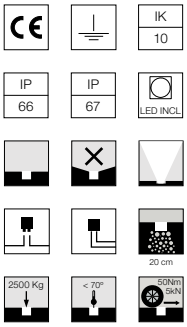
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	3282 0.22
2	820 0.44
3	365 0.67
4	205 0.89
5	131 1.11

Ingraze Adjustable Frame + Asymmetric Louvre L 400







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

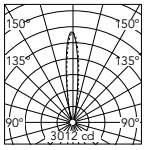
Optic Spot 15°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1QA006	○ F017E2QA006	○ F017E3QA006	○ F017E4QA006
● F017E1QA033	● F017E2QA033	● F017E3QA033	● F017E4QA033
1-10V	1-10V	1-10V	1-10V
○ F017E1QB006	○ F017E2QB006	○ F017E3QB006	○ F017E4QB006
● F017E1QB033	● F017E2QB033	● F017E3QB033	● F017E4QB033
Dali	Dali	Dali	Dali
○ F017E1QD006	○ F017E2QD006	○ F017E3QD006	○ F017E4QD006
● F017E1QD033	● F017E2QD033	● F017E3QD033	● F017E4QD033



SPOT



@3000K

Beam Angle:	15°
h(m)	E(lx) D(m)
1	3010 0.25
2	753 0.51
3	334 0.76
4	188 1.02
5	120 1.27

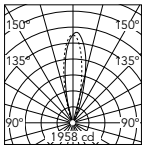
Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1RA006	○ F017E2RA006	○ F017E3RA006	○ F017E4RA006
● F017E1RA033	● F017E2RA033	● F017E3RA033	● F017E4RA033
1-10V	1-10V	1-10V	1-10V
○ F017E1RB006	○ F017E2RB006	○ F017E3RB006	○ F017E4RB006
● F017E1RB033	● F017E2RB033	● F017E3RB033	● F017E4RB033
Dali	Dali	Dali	Dali
○ F017E1RD006	○ F017E2RD006	○ F017E3RD006	○ F017E4RD006
● F017E1RD033	● F017E2RD033	● F017E3RD033	● F017E4RD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	1955 0.45
2	489 0.89
3	217 1.34
4	122 1.78
5	78 2.23

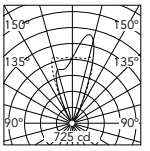
Optic Flood 42°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 620 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1SA006	○ F017E2SA006	○ F017E3SA006	○ F017E4SA006
● F017E1SA033	● F017E2SA033	● F017E3SA033	● F017E4SA033
1-10V	1-10V	1-10V	1-10V
○ F017E1SB006	○ F017E2SB006	○ F017E3SB006	○ F017E4SB006
● F017E1SB033	● F017E2SB033	● F017E3SB033	● F017E4SB033
Dali	Dali	Dali	Dali
○ F017E1SD006	○ F017E2SD006	○ F017E3SD006	○ F017E4SD006
● F017E1SD033	● F017E2SD033	● F017E3SD033	● F017E4SD033



FLOOD



@3000K

Beam Angle:	42°
h(m)	E(lx) D(m)
1	688 0.76
2	172 1.51
3	76 2.27
4	43 3.03
5	28 3.78

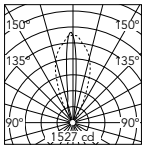
Optic Elliptical 12° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017E1TA006	○ F017E2TA006	○ F017E3TA006	○ F017E4TA006
● F017E1TA033	● F017E2TA033	● F017E3TA033	● F017E4TA033
1-10V	1-10V	1-10V	1-10V
○ F017E1TB006	○ F017E2TB006	○ F017E3TB006	○ F017E4TB006
● F017E1TB033	● F017E2TB033	● F017E3TB033	● F017E4TB033
Dali	Dali	Dali	Dali
○ F017E1TD006	○ F017E2TD006	○ F017E3TD006	○ F017E4TD006
● F017E1TD033	● F017E2TD033	● F017E3TD033	● F017E4TD033



ELLIPTICAL

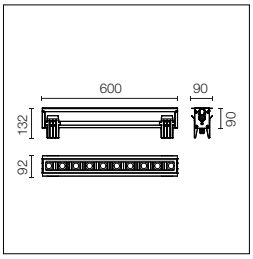


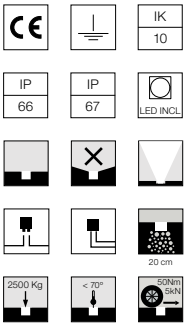
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	1526 0.21
2	382 0.42
3	170 0.62
4	95 0.83
5	61 1.04

Ingraze Adjustable Frame L 600







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

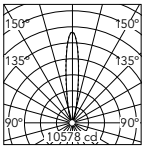
Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1AA006	○ F017F2AA006	○ F017F3AA006	○ F017F4AA006
● F017F1AA033	● F017F2AA033	● F017F3AA033	● F017F4AA033
1-10V	1-10V	1-10V	1-10V
○ F017F1AB006	○ F017F2AB006	○ F017F3AB006	○ F017F4AB006
● F017F1AB033	● F017F2AB033	● F017F3AB033	● F017F4AB033
Dali	Dali	Dali	Dali
○ F017F1AD006	○ F017F2AD006	○ F017F3AD006	○ F017F4AD006
● F017F1AD033	● F017F2AD033	● F017F3AD033	● F017F4AD033



SPOT



@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	10578	0.27
2	2644	0.55
3	1175	0.82
4	661	1.09
5	423	1.37

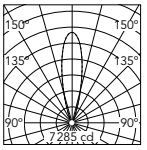
Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1BA006	○ F017F2BA006	○ F017F3BA006	○ F017F4BA006
● F017F1BA033	● F017F2BA033	● F017F3BA033	● F017F4BA033
1-10V	1-10V	1-10V	1-10V
○ F017F1BB006	○ F017F2BB006	○ F017F3BB006	○ F017F4BB006
● F017F1BB033	● F017F2BB033	● F017F3BB033	● F017F4BB033
Dali	Dali	Dali	Dali
○ F017F1BD006	○ F017F2BD006	○ F017F3BD006	○ F017F4BD006
● F017F1BD033	● F017F2BD033	● F017F3BD033	● F017F4BD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	7285	0.44
2	1821	0.88
3	809	1.32
4	455	1.76
5	291	2.20

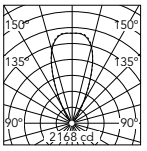
Optic Flood 46°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1CA006	○ F017F2CA006	○ F017F3CA006	○ F017F4CA006
● F017F1CA033	● F017F2CA033	● F017F3CA033	● F017F4CA033
1-10V	1-10V	1-10V	1-10V
○ F017F1CB006	○ F017F2CB006	○ F017F3CB006	○ F017F4CB006
● F017F1CB033	● F017F2CB033	● F017F3CB033	● F017F4CB033
Dali	Dali	Dali	Dali
○ F017F1CD006	○ F017F2CD006	○ F017F3CD006	○ F017F4CD006
● F017F1CD033	● F017F2CD033	● F017F3CD033	● F017F4CD033



FLOOD



@3000K

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	2158	0.85
2	539	1.71
3	240	2.56
4	135	3.42
5	86	4.27

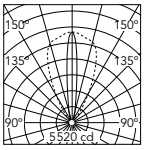
Optic Elliptical 12° x 50°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1DA006	○ F017F2DA006	○ F017F3DA006	○ F017F4DA006
● F017F1DA033	● F017F2DA033	● F017F3DA033	● F017F4DA033
1-10V	1-10V	1-10V	1-10V
○ F017F1DB006	○ F017F2DB006	○ F017F3DB006	○ F017F4DB006
● F017F1DB033	● F017F2DB033	● F017F3DB033	● F017F4DB033
Dali	Dali	Dali	Dali
○ F017F1DD006	○ F017F2DD006	○ F017F3DD006	○ F017F4DD006
● F017F1DD033	● F017F2DD033	● F017F3DD033	● F017F4DD033



ELLIPTICAL

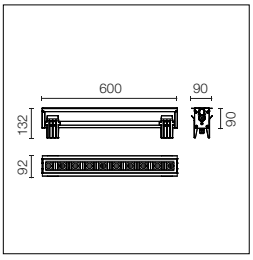


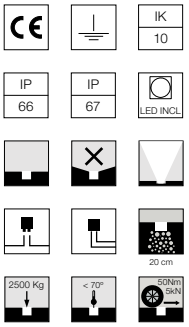
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	5519	0.22
2	1380	0.44
3	613	0.66
4	345	0.87
5	221	1.09

Ingraze Adjustable Frame + Linear Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

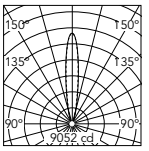
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1HA006	○ F017F2HA006	○ F017F3HA006	○ F017F4HA006
● F017F1HA033	● F017F2HA033	● F017F3HA033	● F017F4HA033
1-10V	1-10V	1-10V	1-10V
○ F017F1HB006	○ F017F2HB006	○ F017F3HB006	○ F017F4HB006
● F017F1HB033	● F017F2HB033	● F017F3HB033	● F017F4HB033
Dali	Dali	Dali	Dali
○ F017F1HD006	○ F017F2HD006	○ F017F3HD006	○ F017F4HD006
● F017F1HD033	● F017F2HD033	● F017F3HD033	● F017F4HD033

16°
SPOT



@3000K

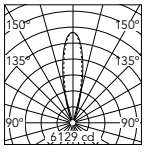
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	9052	0.28
2	2263	0.56
3	1006	0.83
4	566	1.11
5	362	1.39

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1JA006	○ F017F2JA006	○ F017F3JA006	○ F017F4JA006
● F017F1JA033	● F017F2JA033	● F017F3JA033	● F017F4JA033
1-10V	1-10V	1-10V	1-10V
○ F017F1JB006	○ F017F2JB006	○ F017F3JB006	○ F017F4JB006
● F017F1JB033	● F017F2JB033	● F017F3JB033	● F017F4JB033
Dali	Dali	Dali	Dali
○ F017F1JD006	○ F017F2JD006	○ F017F3JD006	○ F017F4JD006
● F017F1JD033	● F017F2JD033	● F017F3JD033	● F017F4JD033

25°
MEDIUM



@3000K

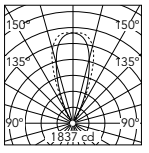
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	6129	0.44
2	1532	0.87
3	681	1.31
4	383	1.74
5	245	2.18

Optic Flood 39°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1KA006	○ F017F2KA006	○ F017F3KA006	○ F017F4KA006
● F017F1KA033	● F017F2KA033	● F017F3KA033	● F017F4KA033
1-10V	1-10V	1-10V	1-10V
○ F017F1KB006	○ F017F2KB006	○ F017F3KB006	○ F017F4KB006
● F017F1KB033	● F017F2KB033	● F017F3KB033	● F017F4KB033
Dali	Dali	Dali	Dali
○ F017F1KD006	○ F017F2KD006	○ F017F3KD006	○ F017F4KD006
● F017F1KD033	● F017F2KD033	● F017F3KD033	● F017F4KD033

39°
FLOOD



@3000K

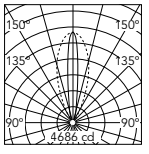
Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	1832	0.71
2	458	1.43
3	204	2.14
4	115	2.86
5	73	3.57

Optic Elliptical 13° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1LA006	○ F017F2LA006	○ F017F3LA006	○ F017F4LA006
● F017F1LA033	● F017F2LA033	● F017F3LA033	● F017F4LA033
1-10V	1-10V	1-10V	1-10V
○ F017F1LB006	○ F017F2LB006	○ F017F3LB006	○ F017F4LB006
● F017F1LB033	● F017F2LB033	● F017F3LB033	● F017F4LB033
Dali	Dali	Dali	Dali
○ F017F1LD006	○ F017F2LD006	○ F017F3LD006	○ F017F4LD006
● F017F1LD033	● F017F2LD033	● F017F3LD033	● F017F4LD033

13°x40°
ELLIPTICAL

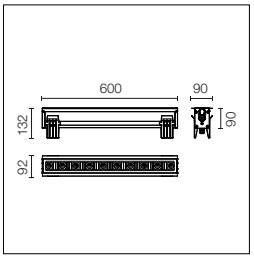


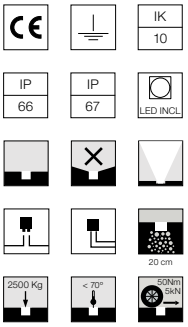
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	4686	0.22
2	1172	0.44
3	521	0.67
4	293	0.89
5	187	1.11

Ingraze Adjustable Frame + Asymmetric Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

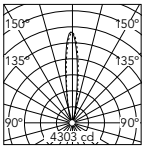
Optic Spot 15°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1QA006	○ F017F2QA006	○ F017F3QA006	○ F017F4QA006
● F017F1QA033	● F017F2QA033	● F017F3QA033	● F017F4QA033
1-10V	1-10V	1-10V	1-10V
○ F017F1QB006	○ F017F2QB006	○ F017F3QB006	○ F017F4QB006
● F017F1QB033	● F017F2QB033	● F017F3QB033	● F017F4QB033
Dali	Dali	Dali	Dali
○ F017F1QD006	○ F017F2QD006	○ F017F3QD006	○ F017F4QD006
● F017F1QD033	● F017F2QD033	● F017F3QD033	● F017F4QD033



SPOT



@3000K

Beam Angle:	15°
h(m)	E(lx) D(m)
1	4300 0.25
2	1075 0.51
3	478 0.76
4	269 1.02
5	172 1.27

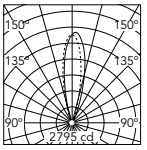
Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1RA006	○ F017F2RA006	○ F017F3RA006	○ F017F4RA006
● F017F1RA033	● F017F2RA033	● F017F3RA033	● F017F4RA033
1-10V	1-10V	1-10V	1-10V
○ F017F1RB006	○ F017F2RB006	○ F017F3RB006	○ F017F4RB006
● F017F1RB033	● F017F2RB033	● F017F3RB033	● F017F4RB033
Dali	Dali	Dali	Dali
○ F017F1RD006	○ F017F2RD006	○ F017F3RD006	○ F017F4RD006
● F017F1RD033	● F017F2RD033	● F017F3RD033	● F017F4RD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	2790 0.45
2	698 0.89
3	310 1.34
4	174 1.78
5	112 2.23

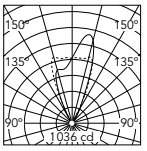
Optic Flood 42°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1SA006	○ F017F2SA006	○ F017F3SA006	○ F017F4SA006
● F017F1SA033	● F017F2SA033	● F017F3SA033	● F017F4SA033
1-10V	1-10V	1-10V	1-10V
○ F017F1SB006	○ F017F2SB006	○ F017F3SB006	○ F017F4SB006
● F017F1SB033	● F017F2SB033	● F017F3SB033	● F017F4SB033
Dali	Dali	Dali	Dali
○ F017F1SD006	○ F017F2SD006	○ F017F3SD006	○ F017F4SD006
● F017F1SD033	● F017F2SD033	● F017F3SD033	● F017F4SD033



FLOOD



@3000K

Beam Angle:	42°
h(m)	E(lx) D(m)
1	983 0.76
2	246 1.51
3	109 2.27
4	61 3.03
5	39 3.78

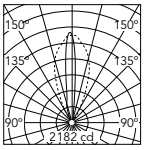
Optic Elliptical 12° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017F1TA006	○ F017F2TA006	○ F017F3TA006	○ F017F4TA006
● F017F1TA033	● F017F2TA033	● F017F3TA033	● F017F4TA033
1-10V	1-10V	1-10V	1-10V
○ F017F1TB006	○ F017F2TB006	○ F017F3TB006	○ F017F4TB006
● F017F1TB033	● F017F2TB033	● F017F3TB033	● F017F4TB033
Dali	Dali	Dali	Dali
○ F017F1TD006	○ F017F2TD006	○ F017F3TD006	○ F017F4TD006
● F017F1TD033	● F017F2TD033	● F017F3TD033	● F017F4TD033



ELLIPTICAL

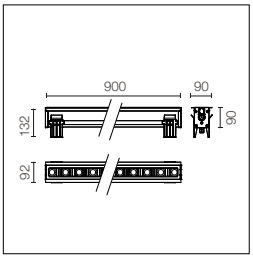


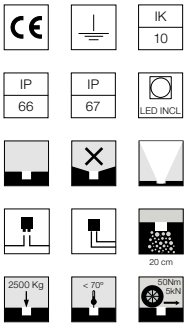
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	2181 0.21
2	545 0.42
3	242 0.62
4	136 0.83
5	87 1.04

Ingraze Adjustable Frame L 900







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

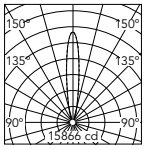
Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1AA006	○ F017G2AA006	○ F017G3AA006	○ F017G4AA006
● F017G1AA033	● F017G2AA033	● F017G3AA033	● F017G4AA033
1-10V	1-10V	1-10V	1-10V
○ F017G1AB006	○ F017G2AB006	○ F017G3AB006	○ F017G4AB006
● F017G1AB033	● F017G2AB033	● F017G3AB033	● F017G4AB033
Dali	Dali	Dali	Dali
○ F017G1AD006	○ F017G2AD006	○ F017G3AD006	○ F017G4AD006
● F017G1AD033	● F017G2AD033	● F017G3AD033	● F017G4AD033



SPOT



@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	15866	0.27
2	3967	0.55
3	1763	0.82
4	992	1.09
5	635	1.37

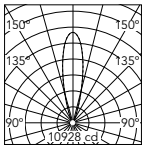
Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1BA006	○ F017G2BA006	○ F017G3BA006	○ F017G4BA006
● F017G1BA033	● F017G2BA033	● F017G3BA033	● F017G4BA033
1-10V	1-10V	1-10V	1-10V
○ F017G1BB006	○ F017G2BB006	○ F017G3BB006	○ F017G4BB006
● F017G1BB033	● F017G2BB033	● F017G3BB033	● F017G4BB033
Dali	Dali	Dali	Dali
○ F017G1BD006	○ F017G2BD006	○ F017G3BD006	○ F017G4BD006
● F017G1BD033	● F017G2BD033	● F017G3BD033	● F017G4BD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	10928	0.44
2	2732	0.88
3	1214	1.32
4	683	1.76
5	437	2.20

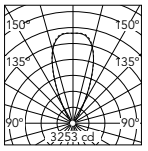
Optic Flood 46°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1CA006	○ F017G2CA006	○ F017G3CA006	○ F017G4CA006
● F017G1CA033	● F017G2CA033	● F017G3CA033	● F017G4CA033
1-10V	1-10V	1-10V	1-10V
○ F017G1CB006	○ F017G2CB006	○ F017G3CB006	○ F017G4CB006
● F017G1CB033	● F017G2CB033	● F017G3CB033	● F017G4CB033
Dali	Dali	Dali	Dali
○ F017G1CD006	○ F017G2CD006	○ F017G3CD006	○ F017G4CD006
● F017G1CD033	● F017G2CD033	● F017G3CD033	● F017G4CD033



FLOOD



@3000K

Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	3238	0.85
2	809	1.71
3	360	2.56
4	202	3.42
5	130	4.27

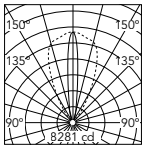
Optic Elliptical 12° x 50°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1DA006	○ F017G2DA006	○ F017G3DA006	○ F017G4DA006
● F017G1DA033	● F017G2DA033	● F017G3DA033	● F017G4DA033
1-10V	1-10V	1-10V	1-10V
○ F017G1DB006	○ F017G2DB006	○ F017G3DB006	○ F017G4DB006
● F017G1DB033	● F017G2DB033	● F017G3DB033	● F017G4DB033
Dali	Dali	Dali	Dali
○ F017G1DD006	○ F017G2DD006	○ F017G3DD006	○ F017G4DD006
● F017G1DD033	● F017G2DD033	● F017G3DD033	● F017G4DD033



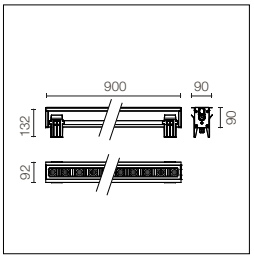
ELLIPTICAL

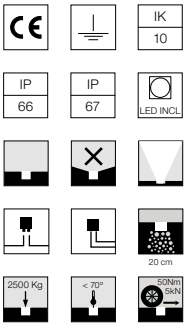


@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	8280	0.22
2	2070	0.44
3	920	0.66
4	517	0.87
5	331	1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

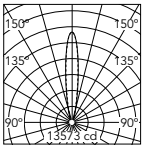
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017G1HA006	● F017G2HA006	● F017G3HA006	● F017G4HA006
● F017G1HA033	● F017G2HA033	● F017G3HA033	● F017G4HA033
1-10V	1-10V	1-10V	1-10V
● F017G1HB006	● F017G2HB006	● F017G3HB006	● F017G4HB006
● F017G1HB033	● F017G2HB033	● F017G3HB033	● F017G4HB033
Dali	Dali	Dali	Dali
● F017G1HD006	● F017G2HD006	● F017G3HD006	● F017G4HD006
● F017G1HD033	● F017G2HD033	● F017G3HD033	● F017G4HD033





@3000K

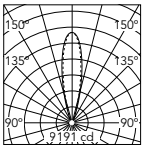
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	13573	0.28
2	3393	0.56
3	1508	0.83
4	848	1.11
5	543	1.39

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017G1JA006	● F017G2JA006	● F017G3JA006	● F017G4JA006
● F017G1JA033	● F017G2JA033	● F017G3JA033	● F017G4JA033
1-10V	1-10V	1-10V	1-10V
● F017G1JB006	● F017G2JB006	● F017G3JB006	● F017G4JB006
● F017G1JB033	● F017G2JB033	● F017G3JB033	● F017G4JB033
Dali	Dali	Dali	Dali
● F017G1JD006	● F017G2JD006	● F017G3JD006	● F017G4JD006
● F017G1JD033	● F017G2JD033	● F017G3JD033	● F017G4JD033





@3000K

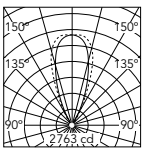
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	9191	0.44
2	2298	0.87
3	1021	1.31
4	574	1.74
5	368	2.18

Optic Flood 39°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017G1KA006	● F017G2KA006	● F017G3KA006	● F017G4KA006
● F017G1KA033	● F017G2KA033	● F017G3KA033	● F017G4KA033
1-10V	1-10V	1-10V	1-10V
● F017G1KB006	● F017G2KB006	● F017G3KB006	● F017G4KB006
● F017G1KB033	● F017G2KB033	● F017G3KB033	● F017G4KB033
Dali	Dali	Dali	Dali
● F017G1KD006	● F017G2KD006	● F017G3KD006	● F017G4KD006
● F017G1KD033	● F017G2KD033	● F017G3KD033	● F017G4KD033





@3000K

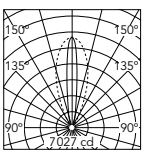
Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	2755	0.71
2	689	1.43
3	306	2.14
4	172	2.86
5	110	3.57

Optic Elliptical 13° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017G1LA006	● F017G2LA006	● F017G3LA006	● F017G4LA006
● F017G1LA033	● F017G2LA033	● F017G3LA033	● F017G4LA033
1-10V	1-10V	1-10V	1-10V
● F017G1LB006	● F017G2LB006	● F017G3LB006	● F017G4LB006
● F017G1LB033	● F017G2LB033	● F017G3LB033	● F017G4LB033
Dali	Dali	Dali	Dali
● F017G1LD006	● F017G2LD006	● F017G3LD006	● F017G4LD006
● F017G1LD033	● F017G2LD033	● F017G3LD033	● F017G4LD033



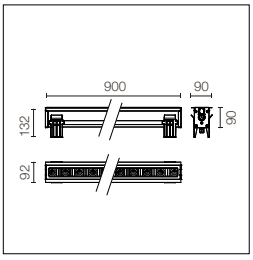


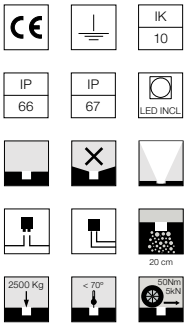
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	7027	0.22
2	1757	0.44
3	781	0.67
4	439	0.89
5	281	1.11

Ingraze Adjustable Frame + Asymmetric Louvre L 900







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

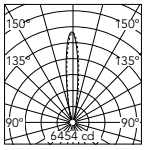
Optic Spot 15°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1QA006	○ F017G2QA006	○ F017G3QA006	○ F017G4QA006
● F017G1QA033	● F017G2QA033	● F017G3QA033	● F017G4QA033
1-10V	1-10V	1-10V	1-10V
○ F017G1QB006	○ F017G2QB006	○ F017G3QB006	○ F017G4QB006
● F017G1QB033	● F017G2QB033	● F017G3QB033	● F017G4QB033
Dali	Dali	Dali	Dali
○ F017G1QD006	○ F017G2QD006	○ F017G3QD006	○ F017G4QD006
● F017G1QD033	● F017G2QD033	● F017G3QD033	● F017G4QD033



SPOT



@3000K

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	6451	0.25
2	1613	0.51
3	717	0.76
4	403	1.02
5	258	1.27

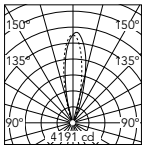
Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1RA006	○ F017G2RA006	○ F017G3RA006	○ F017G4RA006
● F017G1RA033	● F017G2RA033	● F017G3RA033	● F017G4RA033
1-10V	1-10V	1-10V	1-10V
○ F017G1RB006	○ F017G2RB006	○ F017G3RB006	○ F017G4RB006
● F017G1RB033	● F017G2RB033	● F017G3RB033	● F017G4RB033
Dali	Dali	Dali	Dali
○ F017G1RD006	○ F017G2RD006	○ F017G3RD006	○ F017G4RD006
● F017G1RD033	● F017G2RD033	● F017G3RD033	● F017G4RD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	4183	0.45
2	1046	0.89
3	465	1.34
4	261	1.78
5	167	2.23

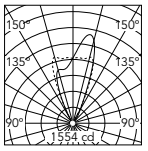
Optic Flood 42°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1SA006	○ F017G2SA006	○ F017G3SA006	○ F017G4SA006
● F017G1SA033	● F017G2SA033	● F017G3SA033	● F017G4SA033
1-10V	1-10V	1-10V	1-10V
○ F017G1SB006	○ F017G2SB006	○ F017G3SB006	○ F017G4SB006
● F017G1SB033	● F017G2SB033	● F017G3SB033	● F017G4SB033
Dali	Dali	Dali	Dali
○ F017G1SD006	○ F017G2SD006	○ F017G3SD006	○ F017G4SD006
● F017G1SD033	● F017G2SD033	● F017G3SD033	● F017G4SD033



FLOOD



@3000K

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1474	0.76
2	368	1.51
3	164	2.27
4	92	3.03
5	59	3.78

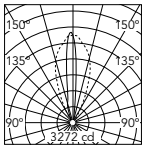
Optic Elliptical 12° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017G1TA006	○ F017G2TA006	○ F017G3TA006	○ F017G4TA006
● F017G1TA033	● F017G2TA033	● F017G3TA033	● F017G4TA033
1-10V	1-10V	1-10V	1-10V
○ F017G1TB006	○ F017G2TB006	○ F017G3TB006	○ F017G4TB006
● F017G1TB033	● F017G2TB033	● F017G3TB033	● F017G4TB033
Dali	Dali	Dali	Dali
○ F017G1TD006	○ F017G2TD006	○ F017G3TD006	○ F017G4TD006
● F017G1TD033	● F017G2TD033	● F017G3TD033	● F017G4TD033



ELLIPTICAL

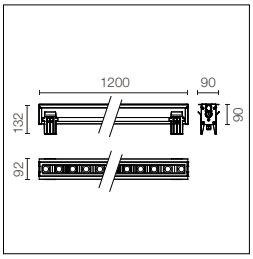


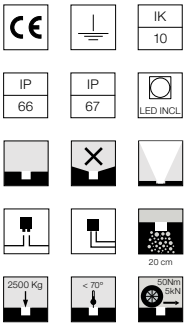
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3271	0.21
2	818	0.42
3	363	0.62
4	204	0.83
5	131	1.04

Ingraze Adjustable Frame L 1200







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

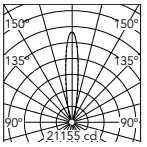
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1AA006	○ F017H2AA006	○ F017H3AA006	○ F017H4AA006
● F017H1AA033	● F017H2AA033	● F017H3AA033	● F017H4AA033
1-10V	1-10V	1-10V	1-10V
○ F017H1AB006	○ F017H2AB006	○ F017H3AB006	○ F017H4AB006
● F017H1AB033	● F017H2AB033	● F017H3AB033	● F017H4AB033
Dali	Dali	Dali	Dali
○ F017H1AD006	○ F017H2AD006	○ F017H3AD006	○ F017H4AD006
● F017H1AD033	● F017H2AD033	● F017H3AD033	● F017H4AD033





@3000K

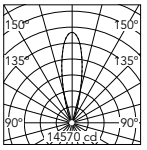
Beam Angle:	16°
h(m)	E(lx) D(m)
1	21155 0.27
2	5289 0.55
3	2351 0.82
4	1322 1.09
5	846 1.37

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1BA006	○ F017H2BA006	○ F017H3BA006	○ F017H4BA006
● F017H1BA033	● F017H2BA033	● F017H3BA033	● F017H4BA033
1-10V	1-10V	1-10V	1-10V
○ F017H1BB006	○ F017H2BB006	○ F017H3BB006	○ F017H4BB006
● F017H1BB033	● F017H2BB033	● F017H3BB033	● F017H4BB033
Dali	Dali	Dali	Dali
○ F017H1BD006	○ F017H2BD006	○ F017H3BD006	○ F017H4BD006
● F017H1BD033	● F017H2BD033	● F017H3BD033	● F017H4BD033





@3000K

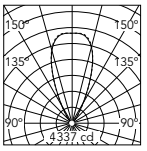
Beam Angle:	25°
h(m)	E(lx) D(m)
1	14570 0.44
2	3643 0.88
3	1619 1.32
4	911 1.76
5	583 2.20

Optic Flood 46°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1CA006	○ F017H2CA006	○ F017H3CA006	○ F017H4CA006
● F017H1CA033	● F017H2CA033	● F017H3CA033	● F017H4CA033
1-10V	1-10V	1-10V	1-10V
○ F017H1CB006	○ F017H2CB006	○ F017H3CB006	○ F017H4CB006
● F017H1CB033	● F017H2CB033	● F017H3CB033	● F017H4CB033
Dali	Dali	Dali	Dali
○ F017H1CD006	○ F017H2CD006	○ F017H3CD006	○ F017H4CD006
● F017H1CD033	● F017H2CD033	● F017H3CD033	● F017H4CD033





@3000K

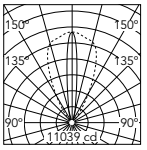
Beam Angle:	46°
h(m)	E(lx) D(m)
1	4316 0.85
2	1079 1.71
3	480 2.56
4	270 3.42
5	173 4.27

Optic Elliptical 12° x 50°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1DA006	○ F017H2DA006	○ F017H3DA006	○ F017H4DA006
● F017H1DA033	● F017H2DA033	● F017H3DA033	● F017H4DA033
1-10V	1-10V	1-10V	1-10V
○ F017H1DB006	○ F017H2DB006	○ F017H3DB006	○ F017H4DB006
● F017H1DB033	● F017H2DB033	● F017H3DB033	● F017H4DB033
Dali	Dali	Dali	Dali
○ F017H1DD006	○ F017H2DD006	○ F017H3DD006	○ F017H4DD006
● F017H1DD033	● F017H2DD033	● F017H3DD033	● F017H4DD033



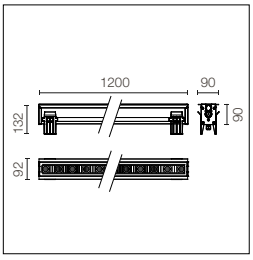


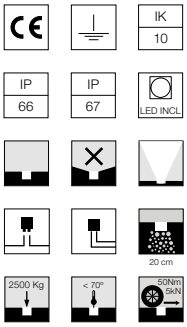
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	11037 0.22
2	2759 0.44
3	1226 0.66
4	690 0.87
5	441 1.09

Ingraze Adjustable Frame + Linear Louvre L 1200







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

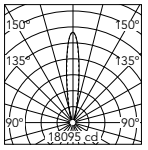
Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1HA006	○ F017H2HA006	○ F017H3HA006	○ F017H4HA006
● F017H1HA033	● F017H2HA033	● F017H3HA033	● F017H4HA033
1-10V	1-10V	1-10V	1-10V
○ F017H1HB006	○ F017H2HB006	○ F017H3HB006	○ F017H4HB006
● F017H1HB033	● F017H2HB033	● F017H3HB033	● F017H4HB033
Dali	Dali	Dali	Dali
○ F017H1HD006	○ F017H2HD006	○ F017H3HD006	○ F017H4HD006
● F017H1HD033	● F017H2HD033	● F017H3HD033	● F017H4HD033



SPOT



@3000K

Beam Angle:	16°
h(m)	E(lx) D(m)
1	18095 0.28
2	4524 0.56
3	2011 0.83
4	1131 1.11
5	724 1.39

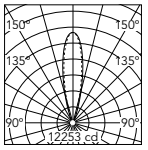
Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1JA006	○ F017H2JA006	○ F017H3JA006	○ F017H4JA006
● F017H1JA033	● F017H2JA033	● F017H3JA033	● F017H4JA033
1-10V	1-10V	1-10V	1-10V
○ F017H1JB006	○ F017H2JB006	○ F017H3JB006	○ F017H4JB006
● F017H1JB033	● F017H2JB033	● F017H3JB033	● F017H4JB033
Dali	Dali	Dali	Dali
○ F017H1JD006	○ F017H2JD006	○ F017H3JD006	○ F017H4JD006
● F017H1JD033	● F017H2JD033	● F017H3JD033	● F017H4JD033



MEDIUM



@3000K

Beam Angle:	25°
h(m)	E(lx) D(m)
1	12253 0.44
2	3063 0.87
3	1361 1.31
4	766 1.74
5	490 2.18

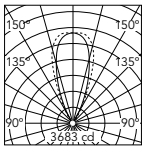
Optic Flood 39°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1KA006	○ F017H2KA006	○ F017H3KA006	○ F017H4KA006
● F017H1KA033	● F017H2KA033	● F017H3KA033	● F017H4KA033
1-10V	1-10V	1-10V	1-10V
○ F017H1KB006	○ F017H2KB006	○ F017H3KB006	○ F017H4KB006
● F017H1KB033	● F017H2KB033	● F017H3KB033	● F017H4KB033
Dali	Dali	Dali	Dali
○ F017H1KD006	○ F017H2KD006	○ F017H3KD006	○ F017H4KD006
● F017H1KD033	● F017H2KD033	● F017H3KD033	● F017H4KD033



FLOOD



@3000K

Beam Angle:	39°
h(m)	E(lx) D(m)
1	3672 0.71
2	918 1.43
3	408 2.14
4	230 2.86
5	147 3.57

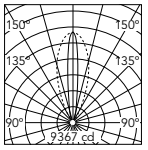
Optic Elliptical 13° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1LA006	○ F017H2LA006	○ F017H3LA006	○ F017H4LA006
● F017H1LA033	● F017H2LA033	● F017H3LA033	● F017H4LA033
1-10V	1-10V	1-10V	1-10V
○ F017H1LB006	○ F017H2LB006	○ F017H3LB006	○ F017H4LB006
● F017H1LB033	● F017H2LB033	● F017H3LB033	● F017H4LB033
Dali	Dali	Dali	Dali
○ F017H1LD006	○ F017H2LD006	○ F017H3LD006	○ F017H4LD006
● F017H1LD033	● F017H2LD033	● F017H3LD033	● F017H4LD033



ELLIPTICAL

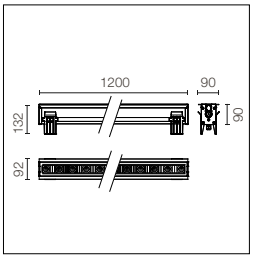


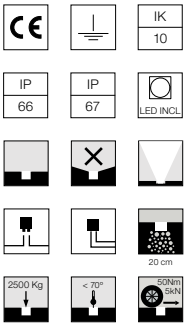
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	9367 0.22
2	2342 0.44
3	1041 0.67
4	585 0.89
5	375 1.11

Ingraze Adjustable Frame + Asymmetric Louvre L 1200







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

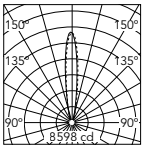
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1QA006	○ F017H2QA006	○ F017H3QA006	○ F017H4QA006
● F017H1QA033	● F017H2QA033	● F017H3QA033	● F017H4QA033
1-10V	1-10V	1-10V	1-10V
○ F017H1QB006	○ F017H2QB006	○ F017H3QB006	○ F017H4QB006
● F017H1QB033	● F017H2QB033	● F017H3QB033	● F017H4QB033
Dali	Dali	Dali	Dali
○ F017H1QD006	○ F017H2QD006	○ F017H3QD006	○ F017H4QD006
● F017H1QD033	● F017H2QD033	● F017H3QD033	● F017H4QD033





@3000K

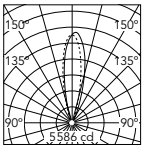
Beam Angle:	15°
h(m)	E(lx) D(m)
1	8593 0.25
2	2148 0.51
3	955 0.76
4	537 1.02
5	344 1.27

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1RA006	○ F017H2RA006	○ F017H3RA006	○ F017H4RA006
● F017H1RA033	● F017H2RA033	● F017H3RA033	● F017H4RA033
1-10V	1-10V	1-10V	1-10V
○ F017H1RB006	○ F017H2RB006	○ F017H3RB006	○ F017H4RB006
● F017H1RB033	● F017H2RB033	● F017H3RB033	● F017H4RB033
Dali	Dali	Dali	Dali
○ F017H1RD006	○ F017H2RD006	○ F017H3RD006	○ F017H4RD006
● F017H1RD033	● F017H2RD033	● F017H3RD033	● F017H4RD033





@3000K

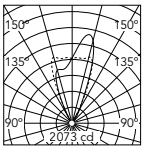
Beam Angle:	25°
h(m)	E(lx) D(m)
1	5576 0.45
2	1394 0.89
3	620 1.34
4	349 1.78
5	223 2.23

Optic Flood 42°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1SA006	○ F017H2SA006	○ F017H3SA006	○ F017H4SA006
● F017H1SA033	● F017H2SA033	● F017H3SA033	● F017H4SA033
1-10V	1-10V	1-10V	1-10V
○ F017H1SB006	○ F017H2SB006	○ F017H3SB006	○ F017H4SB006
● F017H1SB033	● F017H2SB033	● F017H3SB033	● F017H4SB033
Dali	Dali	Dali	Dali
○ F017H1SD006	○ F017H2SD006	○ F017H3SD006	○ F017H4SD006
● F017H1SD033	● F017H2SD033	● F017H3SD033	● F017H4SD033





@3000K

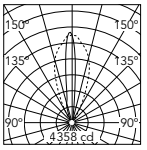
Beam Angle:	42°
h(m)	E(lx) D(m)
1	1967 0.76
2	492 1.51
3	219 2.27
4	123 3.03
5	79 3.78

Optic Elliptical 12° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017H1TA006	○ F017H2TA006	○ F017H3TA006	○ F017H4TA006
● F017H1TA033	● F017H2TA033	● F017H3TA033	● F017H4TA033
1-10V	1-10V	1-10V	1-10V
○ F017H1TB006	○ F017H2TB006	○ F017H3TB006	○ F017H4TB006
● F017H1TB033	● F017H2TB033	● F017H3TB033	● F017H4TB033
Dali	Dali	Dali	Dali
○ F017H1TD006	○ F017H2TD006	○ F017H3TD006	○ F017H4TD006
● F017H1TD033	● F017H2TD033	● F017H3TD033	● F017H4TD033



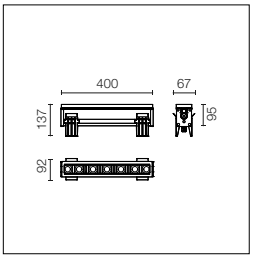


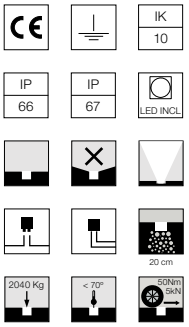
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	4356 0.21
2	1089 0.42
3	484 0.62
4	272 0.83
5	174 1.04

Ingraze Adjustable Frameless L 400







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

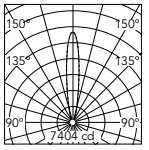
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017N1AA006	○ F017N2AA006	○ F017N3AA006	○ F017N4AA006
● F017N1AA033	● F017N2AA033	● F017N3AA033	● F017N4AA033
1-10V	1-10V	1-10V	1-10V
○ F017N1AB006	○ F017N2AB006	○ F017N3AB006	○ F017N4AB006
● F017N1AB033	● F017N2AB033	● F017N3AB033	● F017N4AB033
Dali	Dali	Dali	Dali
○ F017N1AD006	○ F017N2AD006	○ F017N3AD006	○ F017N4AD006
● F017N1AD033	● F017N2AD033	● F017N3AD033	● F017N4AD033





@3000K

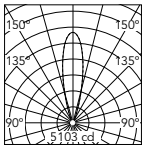
Beam Angle:	16°
h(m)	E(lx)	D(m)
1	7404	0.27
2	1851	0.55
3	823	0.82
4	463	1.09
5	296	1.37

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017N1BA006	○ F017N2BA006	○ F017N3BA006	○ F017N4BA006
● F017N1BA033	● F017N2BA033	● F017N3BA033	● F017N4BA033
1-10V	1-10V	1-10V	1-10V
○ F017N1BB006	○ F017N2BB006	○ F017N3BB006	○ F017N4BB006
● F017N1BB033	● F017N2BB033	● F017N3BB033	● F017N4BB033
Dali	Dali	Dali	Dali
○ F017N1BD006	○ F017N2BD006	○ F017N3BD006	○ F017N4BD006
● F017N1BD033	● F017N2BD033	● F017N3BD033	● F017N4BD033





@3000K

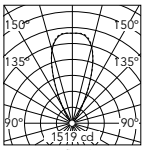
Beam Angle:	25°
h(m)	E(lx)	D(m)
1	5103	0.44
2	1276	0.88
3	567	1.32
4	319	1.76
5	204	2.20

Optic Flood 46°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017N1CA006	○ F017N2CA006	○ F017N3CA006	○ F017N4CA006
● F017N1CA033	● F017N2CA033	● F017N3CA033	● F017N4CA033
1-10V	1-10V	1-10V	1-10V
○ F017N1CB006	○ F017N2CB006	○ F017N3CB006	○ F017N4CB006
● F017N1CB033	● F017N2CB033	● F017N3CB033	● F017N4CB033
Dali	Dali	Dali	Dali
○ F017N1CD006	○ F017N2CD006	○ F017N3CD006	○ F017N4CD006
● F017N1CD033	● F017N2CD033	● F017N3CD033	● F017N4CD033





@3000K

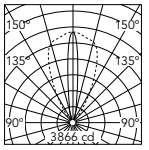
Beam Angle:	46°
h(m)	E(lx)	D(m)
1	1511	0.85
2	378	1.71
3	168	2.56
4	94	3.42
5	60	4.27

Optic Elliptical 12° x 50°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017N1DA006	○ F017N2DA006	○ F017N3DA006	○ F017N4DA006
● F017N1DA033	● F017N2DA033	● F017N3DA033	● F017N4DA033
1-10V	1-10V	1-10V	1-10V
○ F017N1DB006	○ F017N2DB006	○ F017N3DB006	○ F017N4DB006
● F017N1DB033	● F017N2DB033	● F017N3DB033	● F017N4DB033
Dali	Dali	Dali	Dali
○ F017N1DD006	○ F017N2DD006	○ F017N3DD006	○ F017N4DD006
● F017N1DD033	● F017N2DD033	● F017N3DD033	● F017N4DD033

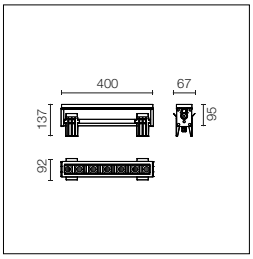


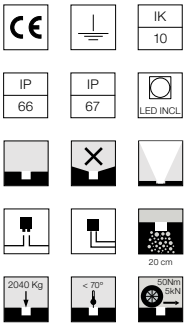


@3000K

Beam Angle:	12°
h(m)	E(lx)	D(m)
1	3866	0.22
2	966	0.44
3	430	0.66
4	242	0.87
5	155	1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

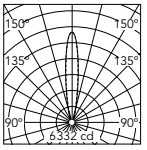
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1HA006	● F017N2HA006	● F017N3HA006	● F017N4HA006
● F017N1HA033	● F017N2HA033	● F017N3HA033	● F017N4HA033
1-10V	1-10V	1-10V	1-10V
● F017N1HB006	● F017N2HB006	● F017N3HB006	● F017N4HB006
● F017N1HB033	● F017N2HB033	● F017N3HB033	● F017N4HB033
Dali	Dali	Dali	Dali
● F017N1HD006	● F017N2HD006	● F017N3HD006	● F017N4HD006
● F017N1HD033	● F017N2HD033	● F017N3HD033	● F017N4HD033





@3000K

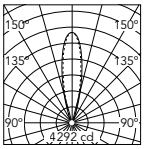
Beam Angle:	16°
h(m)	E(lx) D(m)
1	6332 0.28
2	1583 0.56
3	704 0.83
4	396 1.11
5	253 1.39

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1JA006	● F017N2JA006	● F017N3JA006	● F017N4JA006
● F017N1JA033	● F017N2JA033	● F017N3JA033	● F017N4JA033
1-10V	1-10V	1-10V	1-10V
● F017N1JB006	● F017N2JB006	● F017N3JB006	● F017N4JB006
● F017N1JB033	● F017N2JB033	● F017N3JB033	● F017N4JB033
Dali	Dali	Dali	Dali
● F017N1JD006	● F017N2JD006	● F017N3JD006	● F017N4JD006
● F017N1JD033	● F017N2JD033	● F017N3JD033	● F017N4JD033





@3000K

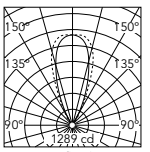
Beam Angle:	25°
h(m)	E(lx) D(m)
1	4292 0.44
2	1073 0.87
3	477 1.31
4	268 1.74
5	172 2.18

Optic Flood 39°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1KA006	● F017N2KA006	● F017N3KA006	● F017N4KA006
● F017N1KA033	● F017N2KA033	● F017N3KA033	● F017N4KA033
1-10V	1-10V	1-10V	1-10V
● F017N1KB006	● F017N2KB006	● F017N3KB006	● F017N4KB006
● F017N1KB033	● F017N2KB033	● F017N3KB033	● F017N4KB033
Dali	Dali	Dali	Dali
● F017N1KD006	● F017N2KD006	● F017N3KD006	● F017N4KD006
● F017N1KD033	● F017N2KD033	● F017N3KD033	● F017N4KD033





@3000K

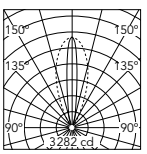
Beam Angle:	39°
h(m)	E(lx) D(m)
1	1285 0.71
2	321 1.43
3	143 2.14
4	80 2.86
5	51 3.57

Optic Elliptical 13° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1LA006	● F017N2LA006	● F017N3LA006	● F017N4LA006
● F017N1LA033	● F017N2LA033	● F017N3LA033	● F017N4LA033
1-10V	1-10V	1-10V	1-10V
● F017N1LB006	● F017N2LB006	● F017N3LB006	● F017N4LB006
● F017N1LB033	● F017N2LB033	● F017N3LB033	● F017N4LB033
Dali	Dali	Dali	Dali
● F017N1LD006	● F017N2LD006	● F017N3LD006	● F017N4LD006
● F017N1LD033	● F017N2LD033	● F017N3LD033	● F017N4LD033



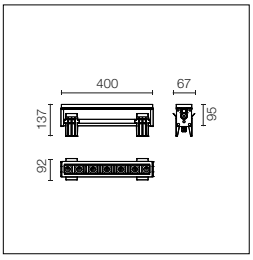


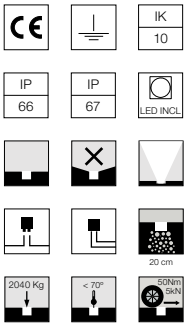
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	3282 0.22
2	820 0.44
3	365 0.67
4	205 0.89
5	131 1.11

Ingraze Adjustable Frameless + Asymmetric Louvre L 400







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

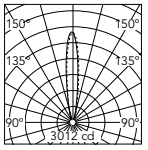
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1QA006	● F017N2QA006	● F017N3QA006	● F017N4QA006
● F017N1QA033	● F017N2QA033	● F017N3QA033	● F017N4QA033
1-10V	1-10V	1-10V	1-10V
● F017N1QB006	● F017N2QB006	● F017N3QB006	● F017N4QB006
● F017N1QB033	● F017N2QB033	● F017N3QB033	● F017N4QB033
Dali	Dali	Dali	Dali
● F017N1QD006	● F017N2QD006	● F017N3QD006	● F017N4QD006
● F017N1QD033	● F017N2QD033	● F017N3QD033	● F017N4QD033





@3000K

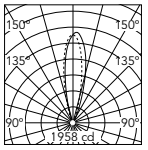
Beam Angle:	15°
h(m)	E(lx) D(m)
1	3010 0.25
2	753 0.51
3	334 0.76
4	188 1.02
5	120 1.27

Optic Medium 25°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1RA006	● F017N2RA006	● F017N3RA006	● F017N4RA006
● F017N1RA033	● F017N2RA033	● F017N3RA033	● F017N4RA033
1-10V	1-10V	1-10V	1-10V
● F017N1RB006	● F017N2RB006	● F017N3RB006	● F017N4RB006
● F017N1RB033	● F017N2RB033	● F017N3RB033	● F017N4RB033
Dali	Dali	Dali	Dali
● F017N1RD006	● F017N2RD006	● F017N3RD006	● F017N4RD006
● F017N1RD033	● F017N2RD033	● F017N3RD033	● F017N4RD033





@3000K

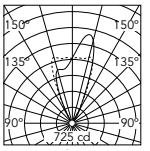
Beam Angle:	25°
h(m)	E(lx) D(m)
1	1955 0.45
2	489 0.89
3	217 1.34
4	122 1.78
5	78 2.23

Optic Flood 42°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 283 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1SA006	● F017N2SA006	● F017N3SA006	● F017N4SA006
● F017N1SA033	● F017N2SA033	● F017N3SA033	● F017N4SA033
1-10V	1-10V	1-10V	1-10V
● F017N1SB006	● F017N2SB006	● F017N3SB006	● F017N4SB006
● F017N1SB033	● F017N2SB033	● F017N3SB033	● F017N4SB033
Dali	Dali	Dali	Dali
● F017N1SD006	● F017N2SD006	● F017N3SD006	● F017N4SD006
● F017N1SD033	● F017N2SD033	● F017N3SD033	● F017N4SD033





@3000K

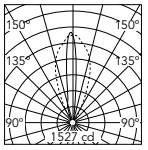
Beam Angle:	42°
h(m)	E(lx) D(m)
1	688 0.76
2	172 1.51
3	76 2.27
4	43 3.03
5	28 3.78

Optic Elliptical 12° x 40°

Power Led: 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017N1TA006	● F017N2TA006	● F017N3TA006	● F017N4TA006
● F017N1TA033	● F017N2TA033	● F017N3TA033	● F017N4TA033
1-10V	1-10V	1-10V	1-10V
● F017N1TB006	● F017N2TB006	● F017N3TB006	● F017N4TB006
● F017N1TB033	● F017N2TB033	● F017N3TB033	● F017N4TB033
Dali	Dali	Dali	Dali
● F017N1TD006	● F017N2TD006	● F017N3TD006	● F017N4TD006
● F017N1TD033	● F017N2TD033	● F017N3TD033	● F017N4TD033



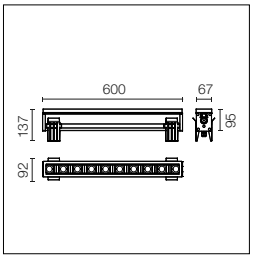


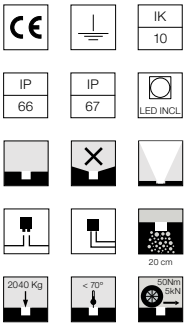
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	1526 0.21
2	382 0.42
3	170 0.62
4	95 0.83
5	61 1.04

Ingraze Adjustable Frameless L 600







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

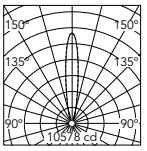
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1AA006	○ F017P2AA006	○ F017P3AA006	○ F017P4AA006
● F017P1AA033	● F017P2AA033	● F017P3AA033	● F017P4AA033
1-10V	1-10V	1-10V	1-10V
○ F017P1AB006	○ F017P2AB006	○ F017P3AB006	○ F017P4AB006
● F017P1AB033	● F017P2AB033	● F017P3AB033	● F017P4AB033
Dali	Dali	Dali	Dali
○ F017P1AD006	○ F017P2AD006	○ F017P3AD006	○ F017P4AD006
● F017P1AD033	● F017P2AD033	● F017P3AD033	● F017P4AD033

16°
SPOT



@3000K

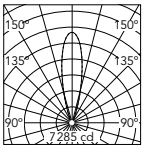
Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	10578	0.27
2	2644	0.55
3	1175	0.82
4	661	1.09
5	423	1.37

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1BA006	○ F017P2BA006	○ F017P3BA006	○ F017P4BA006
● F017P1BA033	● F017P2BA033	● F017P3BA033	● F017P4BA033
1-10V	1-10V	1-10V	1-10V
○ F017P1BB006	○ F017P2BB006	○ F017P3BB006	○ F017P4BB006
● F017P1BB033	● F017P2BB033	● F017P3BB033	● F017P4BB033
Dali	Dali	Dali	Dali
○ F017P1BD006	○ F017P2BD006	○ F017P3BD006	○ F017P4BD006
● F017P1BD033	● F017P2BD033	● F017P3BD033	● F017P4BD033

25°
MEDIUM



@3000K

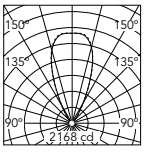
Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	7285	0.44
2	1821	0.88
3	809	1.32
4	455	1.76
5	291	2.20

Optic Flood 46°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1CA006	○ F017P2CA006	○ F017P3CA006	○ F017P4CA006
● F017P1CA033	● F017P2CA033	● F017P3CA033	● F017P4CA033
1-10V	1-10V	1-10V	1-10V
○ F017P1CB006	○ F017P2CB006	○ F017P3CB006	○ F017P4CB006
● F017P1CB033	● F017P2CB033	● F017P3CB033	● F017P4CB033
Dali	Dali	Dali	Dali
○ F017P1CD006	○ F017P2CD006	○ F017P3CD006	○ F017P4CD006
● F017P1CD033	● F017P2CD033	● F017P3CD033	● F017P4CD033

46°
FLOOD



@3000K

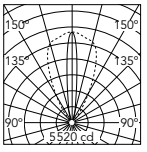
Beam Angle:	46°	
h(m)	E(lx)	D(m)
1	2158	0.85
2	539	1.71
3	240	2.56
4	135	3.42
5	86	4.27

Optic Elliptical 12° x 50°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1DA006	○ F017P2DA006	○ F017P3DA006	○ F017P4DA006
● F017P1DA033	● F017P2DA033	● F017P3DA033	● F017P4DA033
1-10V	1-10V	1-10V	1-10V
○ F017P1DB006	○ F017P2DB006	○ F017P3DB006	○ F017P4DB006
● F017P1DB033	● F017P2DB033	● F017P3DB033	● F017P4DB033
Dali	Dali	Dali	Dali
○ F017P1DD006	○ F017P2DD006	○ F017P3DD006	○ F017P4DD006
● F017P1DD033	● F017P2DD033	● F017P3DD033	● F017P4DD033

12°x50°
ELLIPTICAL

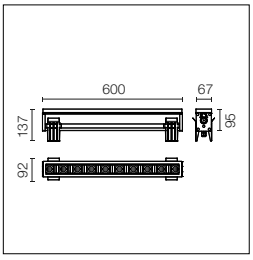


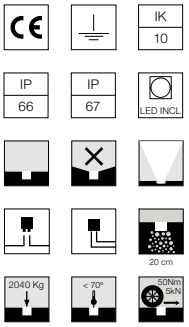
@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	5519	0.22
2	1380	0.44
3	613	0.66
4	345	0.87
5	221	1.09

Ingraze Adjustable Frameless + Linear Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

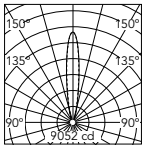
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1HA006	○ F017P2HA006	○ F017P3HA006	○ F017P4HA006
● F017P1HA033	● F017P2HA033	● F017P3HA033	● F017P4HA033
1-10V	1-10V	1-10V	1-10V
○ F017P1HB006	○ F017P2HB006	○ F017P3HB006	○ F017P4HB006
● F017P1HB033	● F017P2HB033	● F017P3HB033	● F017P4HB033
Dali	Dali	Dali	Dali
○ F017P1HD006	○ F017P2HD006	○ F017P3HD006	○ F017P4HD006
● F017P1HD033	● F017P2HD033	● F017P3HD033	● F017P4HD033





@3000K

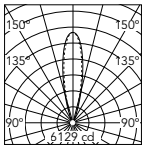
Beam Angle:	16°
h(m)	E(lx) D(m)
1	9052 0.28
2	2263 0.56
3	1006 0.83
4	566 1.11
5	362 1.39

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1JA006	○ F017P2JA006	○ F017P3JA006	○ F017P4JA006
● F017P1JA033	● F017P2JA033	● F017P3JA033	● F017P4JA033
1-10V	1-10V	1-10V	1-10V
○ F017P1JB006	○ F017P2JB006	○ F017P3JB006	○ F017P4JB006
● F017P1JB033	● F017P2JB033	● F017P3JB033	● F017P4JB033
Dali	Dali	Dali	Dali
○ F017P1JD006	○ F017P2JD006	○ F017P3JD006	○ F017P4JD006
● F017P1JD033	● F017P2JD033	● F017P3JD033	● F017P4JD033





@3000K

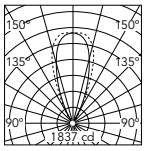
Beam Angle:	25°
h(m)	E(lx) D(m)
1	6129 0.44
2	1532 0.87
3	681 1.31
4	383 1.74
5	245 2.18

Optic Flood 39°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1KA006	○ F017P2KA006	○ F017P3KA006	○ F017P4KA006
● F017P1KA033	● F017P2KA033	● F017P3KA033	● F017P4KA033
1-10V	1-10V	1-10V	1-10V
○ F017P1KB006	○ F017P2KB006	○ F017P3KB006	○ F017P4KB006
● F017P1KB033	● F017P2KB033	● F017P3KB033	● F017P4KB033
Dali	Dali	Dali	Dali
○ F017P1KD006	○ F017P2KD006	○ F017P3KD006	○ F017P4KD006
● F017P1KD033	● F017P2KD033	● F017P3KD033	● F017P4KD033





@3000K

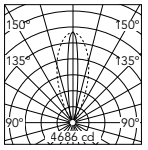
Beam Angle:	39°
h(m)	E(lx) D(m)
1	1832 0.71
2	458 1.43
3	204 2.14
4	115 2.86
5	73 3.57

Optic Elliptical 13° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1LA006	○ F017P2LA006	○ F017P3LA006	○ F017P4LA006
● F017P1LA033	● F017P2LA033	● F017P3LA033	● F017P4LA033
1-10V	1-10V	1-10V	1-10V
○ F017P1LB006	○ F017P2LB006	○ F017P3LB006	○ F017P4LB006
● F017P1LB033	● F017P2LB033	● F017P3LB033	● F017P4LB033
Dali	Dali	Dali	Dali
○ F017P1LD006	○ F017P2LD006	○ F017P3LD006	○ F017P4LD006
● F017P1LD033	● F017P2LD033	● F017P3LD033	● F017P4LD033



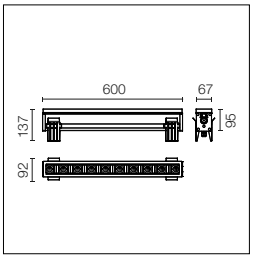


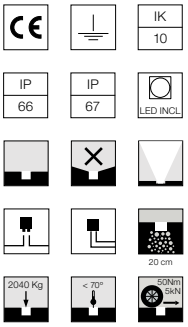
@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	4686 0.22
2	1172 0.44
3	521 0.67
4	293 0.89
5	187 1.11

Ingraze Adjustable Frameless + Asymmetric Louvre L 600







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

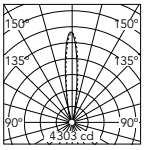
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1QA006	○ F017P2QA006	○ F017P3QA006	○ F017P4QA006
● F017P1QA033	● F017P2QA033	● F017P3QA033	● F017P4QA033
1-10V	1-10V	1-10V	1-10V
○ F017P1QB006	○ F017P2QB006	○ F017P3QB006	○ F017P4QB006
● F017P1QB033	● F017P2QB033	● F017P3QB033	● F017P4QB033
Dali	Dali	Dali	Dali
○ F017P1QD006	○ F017P2QD006	○ F017P3QD006	○ F017P4QD006
● F017P1QD033	● F017P2QD033	● F017P3QD033	● F017P4QD033





@3000K

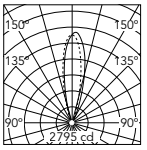
Beam Angle:	15°
h(m)	E(lx) D(m)
1	4300 0.25
2	1075 0.51
3	478 0.76
4	269 1.02
5	172 1.27

Optic Medium 25°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1RA006	○ F017P2RA006	○ F017P3RA006	○ F017P4RA006
● F017P1RA033	● F017P2RA033	● F017P3RA033	● F017P4RA033
1-10V	1-10V	1-10V	1-10V
○ F017P1RB006	○ F017P2RB006	○ F017P3RB006	○ F017P4RB006
● F017P1RB033	● F017P2RB033	● F017P3RB033	● F017P4RB033
Dali	Dali	Dali	Dali
○ F017P1RD006	○ F017P2RD006	○ F017P3RD006	○ F017P4RD006
● F017P1RD033	● F017P2RD033	● F017P3RD033	● F017P4RD033





@3000K

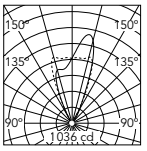
Beam Angle:	25°
h(m)	E(lx) D(m)
1	2790 0.45
2	698 0.89
3	310 1.34
4	174 1.78
5	112 2.23

Optic Flood 42°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1SA006	○ F017P2SA006	○ F017P3SA006	○ F017P4SA006
● F017P1SA033	● F017P2SA033	● F017P3SA033	● F017P4SA033
1-10V	1-10V	1-10V	1-10V
○ F017P1SB006	○ F017P2SB006	○ F017P3SB006	○ F017P4SB006
● F017P1SB033	● F017P2SB033	● F017P3SB033	● F017P4SB033
Dali	Dali	Dali	Dali
○ F017P1SD006	○ F017P2SD006	○ F017P3SD006	○ F017P4SD006
● F017P1SD033	● F017P2SD033	● F017P3SD033	● F017P4SD033





@3000K

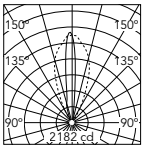
Beam Angle:	42°
h(m)	E(lx) D(m)
1	983 0.76
2	246 1.51
3	109 2.27
4	61 3.03
5	39 3.78

Optic Elliptical 12° x 40°

Power Led: 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017P1TA006	○ F017P2TA006	○ F017P3TA006	○ F017P4TA006
● F017P1TA033	● F017P2TA033	● F017P3TA033	● F017P4TA033
1-10V	1-10V	1-10V	1-10V
○ F017P1TB006	○ F017P2TB006	○ F017P3TB006	○ F017P4TB006
● F017P1TB033	● F017P2TB033	● F017P3TB033	● F017P4TB033
Dali	Dali	Dali	Dali
○ F017P1TD006	○ F017P2TD006	○ F017P3TD006	○ F017P4TD006
● F017P1TD033	● F017P2TD033	● F017P3TD033	● F017P4TD033



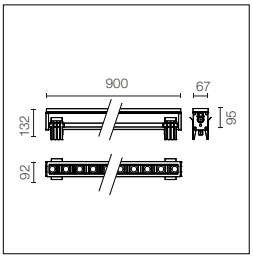


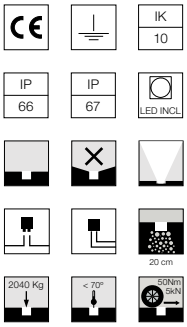
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	2181 0.21
2	545 0.42
3	242 0.62
4	136 0.83
5	87 1.04

Ingraze Adjustable Frameless L 900







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

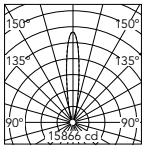
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1AA006	○ F017Q2AA006	○ F017Q3AA006	○ F017Q4AA006
● F017Q1AA033	● F017Q2AA033	● F017Q3AA033	● F017Q4AA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1AB006	○ F017Q2AB006	○ F017Q3AB006	○ F017Q4AB006
● F017Q1AB033	● F017Q2AB033	● F017Q3AB033	● F017Q4AB033
Dali	Dali	Dali	Dali
○ F017Q1AD006	○ F017Q2AD006	○ F017Q3AD006	○ F017Q4AD006
● F017Q1AD033	● F017Q2AD033	● F017Q3AD033	● F017Q4AD033





@3000K

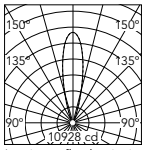
Beam Angle:	16°
h(m)	E(lx) D(m)
1	15866 0.27
2	3967 0.55
3	1763 0.82
4	992 1.09
5	635 1.37

Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1BA006	○ F017Q2BA006	○ F017Q3BA006	○ F017Q4BA006
● F017Q1BA033	● F017Q2BA033	● F017Q3BA033	● F017Q4BA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1BB006	○ F017Q2BB006	○ F017Q3BB006	○ F017Q4BB006
● F017Q1BB033	● F017Q2BB033	● F017Q3BB033	● F017Q4BB033
Dali	Dali	Dali	Dali
○ F017Q1BD006	○ F017Q2BD006	○ F017Q3BD006	○ F017Q4BD006
● F017Q1BD033	● F017Q2BD033	● F017Q3BD033	● F017Q4BD033





@3000K

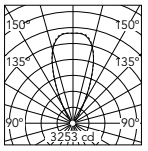
Beam Angle:	25°
h(m)	E(lx) D(m)
1	10928 0.44
2	2732 0.88
3	1214 1.32
4	683 1.76
5	437 2.20

Optic Flood 46°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1CA006	○ F017Q2CA006	○ F017Q3CA006	○ F017Q4CA006
● F017Q1CA033	● F017Q2CA033	● F017Q3CA033	● F017Q4CA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1CB006	○ F017Q2CB006	○ F017Q3CB006	○ F017Q4CB006
● F017Q1CB033	● F017Q2CB033	● F017Q3CB033	● F017Q4CB033
Dali	Dali	Dali	Dali
○ F017Q1CD006	○ F017Q2CD006	○ F017Q3CD006	○ F017Q4CD006
● F017Q1CD033	● F017Q2CD033	● F017Q3CD033	● F017Q4CD033





@3000K

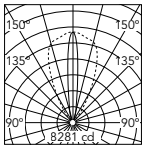
Beam Angle:	46°
h(m)	E(lx) D(m)
1	3238 0.85
2	809 1.71
3	360 2.56
4	202 3.42
5	130 4.27

Optic Elliptical 12° x 50°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1DA006	○ F017Q2DA006	○ F017Q3DA006	○ F017Q4DA006
● F017Q1DA033	● F017Q2DA033	● F017Q3DA033	● F017Q4DA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1DB006	○ F017Q2DB006	○ F017Q3DB006	○ F017Q4DB006
● F017Q1DB033	● F017Q2DB033	● F017Q3DB033	● F017Q4DB033
Dali	Dali	Dali	Dali
○ F017Q1DD006	○ F017Q2DD006	○ F017Q3DD006	○ F017Q4DD006
● F017Q1DD033	● F017Q2DD033	● F017Q3DD033	● F017Q4DD033

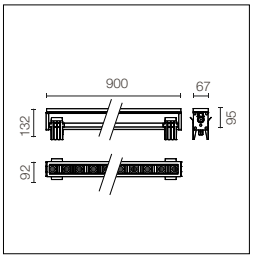


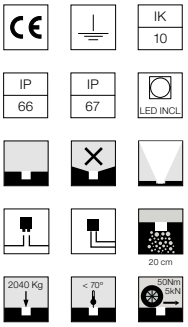


@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	8280 0.22
2	2070 0.44
3	920 0.66
4	517 0.87
5	331 1.09







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

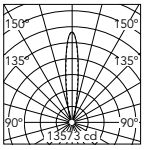
Optic Spot 16°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017Q1HA006	● F017Q2HA006	● F017Q3HA006	● F017Q4HA006
● F017Q1HA033	● F017Q2HA033	● F017Q3HA033	● F017Q4HA033
1-10V	1-10V	1-10V	1-10V
● F017Q1HB006	● F017Q2HB006	● F017Q3HB006	● F017Q4HB006
● F017Q1HB033	● F017Q2HB033	● F017Q3HB033	● F017Q4HB033
Dali	Dali	Dali	Dali
● F017Q1HD006	● F017Q2HD006	● F017Q3HD006	● F017Q4HD006
● F017Q1HD033	● F017Q2HD033	● F017Q3HD033	● F017Q4HD033



SPOT



@3000K

Beam Angle:	16°	
h(m)	E(lx)	D(m)
1	13573	0.28
2	3393	0.56
3	1508	0.83
4	848	1.11
5	543	1.39

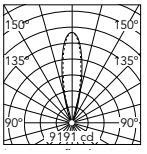
Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017Q1JA006	● F017Q2JA006	● F017Q3JA006	● F017Q4JA006
● F017Q1JA033	● F017Q2JA033	● F017Q3JA033	● F017Q4JA033
1-10V	1-10V	1-10V	1-10V
● F017Q1JB006	● F017Q2JB006	● F017Q3JB006	● F017Q4JB006
● F017Q1JB033	● F017Q2JB033	● F017Q3JB033	● F017Q4JB033
Dali	Dali	Dali	Dali
● F017Q1JD006	● F017Q2JD006	● F017Q3JD006	● F017Q4JD006
● F017Q1JD033	● F017Q2JD033	● F017Q3JD033	● F017Q4JD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	9191	0.44
2	2298	0.87
3	1021	1.31
4	574	1.74
5	368	2.18

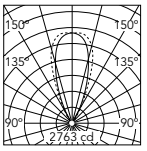
Optic Flood 39°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017Q1KA006	● F017Q2KA006	● F017Q3KA006	● F017Q4KA006
● F017Q1KA033	● F017Q2KA033	● F017Q3KA033	● F017Q4KA033
1-10V	1-10V	1-10V	1-10V
● F017Q1KB006	● F017Q2KB006	● F017Q3KB006	● F017Q4KB006
● F017Q1KB033	● F017Q2KB033	● F017Q3KB033	● F017Q4KB033
Dali	Dali	Dali	Dali
● F017Q1KD006	● F017Q2KD006	● F017Q3KD006	● F017Q4KD006
● F017Q1KD033	● F017Q2KD033	● F017Q3KD033	● F017Q4KD033



FLOOD



@3000K

Beam Angle:	39°	
h(m)	E(lx)	D(m)
1	2755	0.71
2	689	1.43
3	306	2.14
4	172	2.86
5	110	3.57

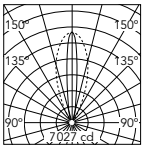
Optic Elliptical 13° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
● F017Q1LA006	● F017Q2LA006	● F017Q3LA006	● F017Q4LA006
● F017Q1LA033	● F017Q2LA033	● F017Q3LA033	● F017Q4LA033
1-10V	1-10V	1-10V	1-10V
● F017Q1LB006	● F017Q2LB006	● F017Q3LB006	● F017Q4LB006
● F017Q1LB033	● F017Q2LB033	● F017Q3LB033	● F017Q4LB033
Dali	Dali	Dali	Dali
● F017Q1LD006	● F017Q2LD006	● F017Q3LD006	● F017Q4LD006
● F017Q1LD033	● F017Q2LD033	● F017Q3LD033	● F017Q4LD033



ELLIPTICAL

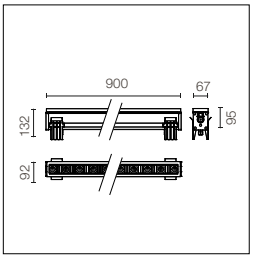


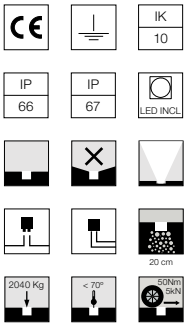
@3000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	7027	0.22
2	1757	0.44
3	781	0.67
4	439	0.89
5	281	1.11

Ingraze Adjustable Frameless + Asymmetric Louvre L 900







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

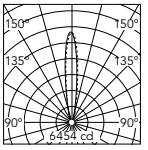
Optic Spot 15°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1QA006	○ F017Q2QA006	○ F017Q3QA006	○ F017Q4QA006
● F017Q1QA033	● F017Q2QA033	● F017Q3QA033	● F017Q4QA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1QB006	○ F017Q2QB006	○ F017Q3QB006	○ F017Q4QB006
● F017Q1QB033	● F017Q2QB033	● F017Q3QB033	● F017Q4QB033
Dali	Dali	Dali	Dali
○ F017Q1QD006	○ F017Q2QD006	○ F017Q3QD006	○ F017Q4QD006
● F017Q1QD033	● F017Q2QD033	● F017Q3QD033	● F017Q4QD033



SPOT



@3000K

Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	6451	0.25
2	1613	0.51
3	717	0.76
4	403	1.02
5	258	1.27

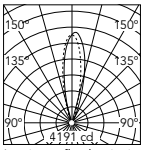
Optic Medium 25°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1RA006	○ F017Q2RA006	○ F017Q3RA006	○ F017Q4RA006
● F017Q1RA033	● F017Q2RA033	● F017Q3RA033	● F017Q4RA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1RB006	○ F017Q2RB006	○ F017Q3RB006	○ F017Q4RB006
● F017Q1RB033	● F017Q2RB033	● F017Q3RB033	● F017Q4RB033
Dali	Dali	Dali	Dali
○ F017Q1RD006	○ F017Q2RD006	○ F017Q3RD006	○ F017Q4RD006
● F017Q1RD033	● F017Q2RD033	● F017Q3RD033	● F017Q4RD033



MEDIUM



@3000K

Beam Angle:	25°	
h(m)	E(lx)	D(m)
1	4183	0.45
2	1046	0.89
3	465	1.34
4	261	1.78
5	167	2.23

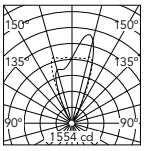
Optic Flood 42°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1SA006	○ F017Q2SA006	○ F017Q3SA006	○ F017Q4SA006
● F017Q1SA033	● F017Q2SA033	● F017Q3SA033	● F017Q4SA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1SB006	○ F017Q2SB006	○ F017Q3SB006	○ F017Q4SB006
● F017Q1SB033	● F017Q2SB033	● F017Q3SB033	● F017Q4SB033
Dali	Dali	Dali	Dali
○ F017Q1SD006	○ F017Q2SD006	○ F017Q3SD006	○ F017Q4SD006
● F017Q1SD033	● F017Q2SD033	● F017Q3SD033	● F017Q4SD033



FLOOD



@3000K

Beam Angle:	42°	
h(m)	E(lx)	D(m)
1	1474	0.76
2	368	1.51
3	164	2.27
4	92	3.03
5	59	3.78

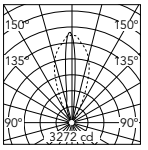
Optic Elliptical 12° x 40°

Power Led: 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017Q1TA006	○ F017Q2TA006	○ F017Q3TA006	○ F017Q4TA006
● F017Q1TA033	● F017Q2TA033	● F017Q3TA033	● F017Q4TA033
1-10V	1-10V	1-10V	1-10V
○ F017Q1TB006	○ F017Q2TB006	○ F017Q3TB006	○ F017Q4TB006
● F017Q1TB033	● F017Q2TB033	● F017Q3TB033	● F017Q4TB033
Dali	Dali	Dali	Dali
○ F017Q1TD006	○ F017Q2TD006	○ F017Q3TD006	○ F017Q4TD006
● F017Q1TD033	● F017Q2TD033	● F017Q3TD033	● F017Q4TD033



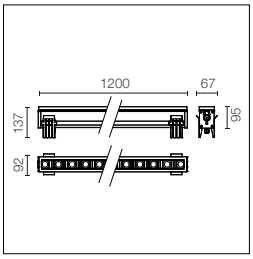
ELLIPTICAL

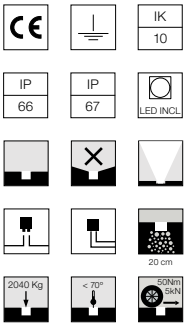


@3000K

Beam Angle:	12°	
h(m)	E(lx)	D(m)
1	3271	0.21
2	818	0.42
3	363	0.62
4	204	0.83
5	131	1.04







Sorgente high power LED inclusa e ottiche arretrate. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

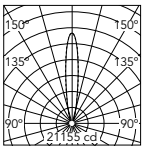
High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1AA006	○ F017R2AA006	○ F017R3AA006	○ F017R4AA006
● F017R1AA033	● F017R2AA033	● F017R3AA033	● F017R4AA033
1-10V	1-10V	1-10V	1-10V
○ F017R1AB006	○ F017R2AB006	○ F017R3AB006	○ F017R4AB006
● F017R1AB033	● F017R2AB033	● F017R3AB033	● F017R4AB033
Dali	Dali	Dali	Dali
○ F017R1AD006	○ F017R2AD006	○ F017R3AD006	○ F017R4AD006
● F017R1AD033	● F017R2AD033	● F017R3AD033	● F017R4AD033

16°
SPOT



@3000K

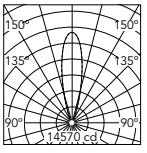
Beam Angle:	16°
h(m)	E(lx) D(m)
1	21155 0.27
2	5289 0.55
3	2351 0.82
4	1322 1.09
5	846 1.37

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1BA006	○ F017R2BA006	○ F017R3BA006	○ F017R4BA006
● F017R1BA033	● F017R2BA033	● F017R3BA033	● F017R4BA033
1-10V	1-10V	1-10V	1-10V
○ F017R1BB006	○ F017R2BB006	○ F017R3BB006	○ F017R4BB006
● F017R1BB033	● F017R2BB033	● F017R3BB033	● F017R4BB033
Dali	Dali	Dali	Dali
○ F017R1BD006	○ F017R2BD006	○ F017R3BD006	○ F017R4BD006
● F017R1BD033	● F017R2BD033	● F017R3BD033	● F017R4BD033

25°
MEDIUM



@3000K

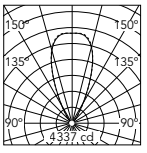
Beam Angle:	25°
h(m)	E(lx) D(m)
1	14570 0.44
2	3643 0.88
3	1619 1.32
4	911 1.76
5	583 2.20

Optic Flood 46°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1CA006	○ F017R2CA006	○ F017R3CA006	○ F017R4CA006
● F017R1CA033	● F017R2CA033	● F017R3CA033	● F017R4CA033
1-10V	1-10V	1-10V	1-10V
○ F017R1CB006	○ F017R2CB006	○ F017R3CB006	○ F017R4CB006
● F017R1CB033	● F017R2CB033	● F017R3CB033	● F017R4CB033
Dali	Dali	Dali	Dali
○ F017R1CD006	○ F017R2CD006	○ F017R3CD006	○ F017R4CD006
● F017R1CD033	● F017R2CD033	● F017R3CD033	● F017R4CD033

46°
FLOOD



@3000K

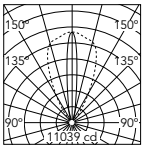
Beam Angle:	46°
h(m)	E(lx) D(m)
1	4316 0.85
2	1079 1.71
3	480 2.56
4	270 3.42
5	173 4.27

Optic Elliptical 12° x 50°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1DA006	○ F017R2DA006	○ F017R3DA006	○ F017R4DA006
● F017R1DA033	● F017R2DA033	● F017R3DA033	● F017R4DA033
1-10V	1-10V	1-10V	1-10V
○ F017R1DB006	○ F017R2DB006	○ F017R3DB006	○ F017R4DB006
● F017R1DB033	● F017R2DB033	● F017R3DB033	● F017R4DB033
Dali	Dali	Dali	Dali
○ F017R1DD006	○ F017R2DD006	○ F017R3DD006	○ F017R4DD006
● F017R1DD033	● F017R2DD033	● F017R3DD033	● F017R4DD033

12°x50°
ELLIPTICAL

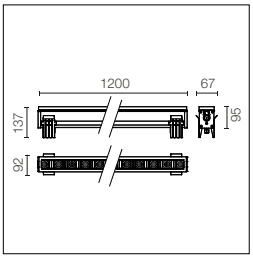


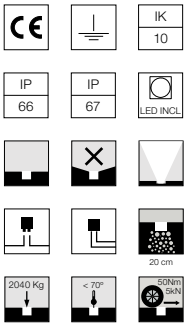
@3000K

Beam Angle:	12°
h(m)	E(lx) D(m)
1	11037 0.22
2	2759 0.44
3	1226 0.66
4	690 0.87
5	441 1.09

Ingraze Adjustable Frameless + Linear Louvre L 1200







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

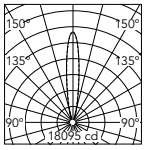
High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 16°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1HA006	○ F017R2HA006	○ F017R3HA006	○ F017R4HA006
● F017R1HA033	● F017R2HA033	● F017R3HA033	● F017R4HA033
1-10V	1-10V	1-10V	1-10V
○ F017R1HB006	○ F017R2HB006	○ F017R3HB006	○ F017R4HB006
● F017R1HB033	● F017R2HB033	● F017R3HB033	● F017R4HB033
Dali	Dali	Dali	Dali
○ F017R1HD006	○ F017R2HD006	○ F017R3HD006	○ F017R4HD006
● F017R1HD033	● F017R2HD033	● F017R3HD033	● F017R4HD033





@3000K

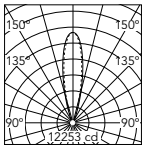
Beam Angle:	16°
h(m)	E(lx) D(m)
1	18095 0.28
2	4524 0.56
3	2011 0.83
4	1131 1.11
5	724 1.39

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1JA006	○ F017R2JA006	○ F017R3JA006	○ F017R4JA006
● F017R1JA033	● F017R2JA033	● F017R3JA033	● F017R4JA033
1-10V	1-10V	1-10V	1-10V
○ F017R1JB006	○ F017R2JB006	○ F017R3JB006	○ F017R4JB006
● F017R1JB033	● F017R2JB033	● F017R3JB033	● F017R4JB033
Dali	Dali	Dali	Dali
○ F017R1JD006	○ F017R2JD006	○ F017R3JD006	○ F017R4JD006
● F017R1JD033	● F017R2JD033	● F017R3JD033	● F017R4JD033





@3000K

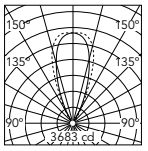
Beam Angle:	25°
h(m)	E(lx) D(m)
1	12253 0.44
2	3063 0.87
3	1361 1.31
4	766 1.74
5	490 2.18

Optic Flood 39°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1KA006	○ F017R2KA006	○ F017R3KA006	○ F017R4KA006
● F017R1KA033	● F017R2KA033	● F017R3KA033	● F017R4KA033
1-10V	1-10V	1-10V	1-10V
○ F017R1KB006	○ F017R2KB006	○ F017R3KB006	○ F017R4KB006
● F017R1KB033	● F017R2KB033	● F017R3KB033	● F017R4KB033
Dali	Dali	Dali	Dali
○ F017R1KD006	○ F017R2KD006	○ F017R3KD006	○ F017R4KD006
● F017R1KD033	● F017R2KD033	● F017R3KD033	● F017R4KD033





@3000K

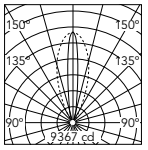
Beam Angle:	39°
h(m)	E(lx) D(m)
1	3672 0.71
2	918 1.43
3	408 2.14
4	230 2.86
5	147 3.57

Optic Elliptical 13° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1LA006	○ F017R2LA006	○ F017R3LA006	○ F017R4LA006
● F017R1LA033	● F017R2LA033	● F017R3LA033	● F017R4LA033
1-10V	1-10V	1-10V	1-10V
○ F017R1LB006	○ F017R2LB006	○ F017R3LB006	○ F017R4LB006
● F017R1LB033	● F017R2LB033	● F017R3LB033	● F017R4LB033
Dali	Dali	Dali	Dali
○ F017R1LD006	○ F017R2LD006	○ F017R3LD006	○ F017R4LD006
● F017R1LD033	● F017R2LD033	● F017R3LD033	● F017R4LD033

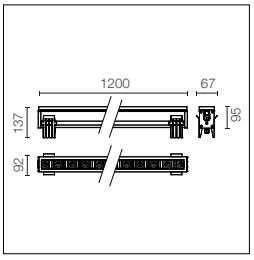


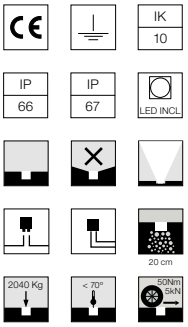


@3000K

Beam Angle:	13°
h(m)	E(lx) D(m)
1	9367 0.22
2	2342 0.44
3	1041 0.67
4	585 0.89
5	375 1.11







Sorgente high power LED inclusa e ottiche arretrate equipaggiate con griglia frangiluce asimmetrica antiabbagliamento. Alimentazione elettrica 220-240V on off e dimmerabile 1-10V e dali.
Cassaforma per l'installazione obbligatoria da ordinare separatamente.
Precablato con connettori rapidi H_2O Stop presa/spina inclusi.
ACT (Anti Corrosion Treatment) a richiesta.

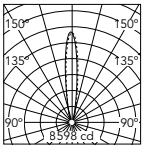
High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with H_2O Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Optic Spot 15°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1QA006	○ F017R2QA006	○ F017R3QA006	○ F017R4QA006
● F017R1QA033	● F017R2QA033	● F017R3QA033	● F017R4QA033
1-10V	1-10V	1-10V	1-10V
○ F017R1QB006	○ F017R2QB006	○ F017R3QB006	○ F017R4QB006
● F017R1QB033	● F017R2QB033	● F017R3QB033	● F017R4QB033
Dali	Dali	Dali	Dali
○ F017R1QD006	○ F017R2QD006	○ F017R3QD006	○ F017R4QD006
● F017R1QD033	● F017R2QD033	● F017R3QD033	● F017R4QD033





@3000K

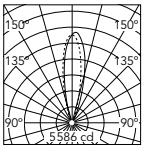
Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	8593	0.25
2	2148	0.51
3	955	0.76
4	537	1.02
5	344	1.27

Optic Medium 25°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1RA006	○ F017R2RA006	○ F017R3RA006	○ F017R4RA006
● F017R1RA033	● F017R2RA033	● F017R3RA033	● F017R4RA033
1-10V	1-10V	1-10V	1-10V
○ F017R1RB006	○ F017R2RB006	○ F017R3RB006	○ F017R4RB006
● F017R1RB033	● F017R2RB033	● F017R3RB033	● F017R4RB033
Dali	Dali	Dali	Dali
○ F017R1RD006	○ F017R2RD006	○ F017R3RD006	○ F017R4RD006
● F017R1RD033	● F017R2RD033	● F017R3RD033	● F017R4RD033





@3000K

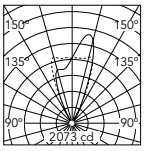
Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	5576	0.45
2	1394	0.89
3	620	1.34
4	349	1.78
5	223	2.23

Optic Flood 42°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1SA006	○ F017R2SA006	○ F017R3SA006	○ F017R4SA006
● F017R1SA033	● F017R2SA033	● F017R3SA033	● F017R4SA033
1-10V	1-10V	1-10V	1-10V
○ F017R1SB006	○ F017R2SB006	○ F017R3SB006	○ F017R4SB006
● F017R1SB033	● F017R2SB033	● F017R3SB033	● F017R4SB033
Dali	Dali	Dali	Dali
○ F017R1SD006	○ F017R2SD006	○ F017R3SD006	○ F017R4SD006
● F017R1SD033	● F017R2SD033	● F017R3SD033	● F017R4SD033





@3000K

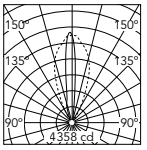
Beam Angle: 42°		
h(m)	E(lx)	D(m)
1	1967	0.76
2	492	1.51
3	219	2.27
4	123	3.03
5	79	3.78

Optic Elliptical 12° x 40°

Power Led: 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

2200K	2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable	Non Dimmable
○ F017R1TA006	○ F017R2TA006	○ F017R3TA006	○ F017R4TA006
● F017R1TA033	● F017R2TA033	● F017R3TA033	● F017R4TA033
1-10V	1-10V	1-10V	1-10V
○ F017R1TB006	○ F017R2TB006	○ F017R3TB006	○ F017R4TB006
● F017R1TB033	● F017R2TB033	● F017R3TB033	● F017R4TB033
Dali	Dali	Dali	Dali
○ F017R1TD006	○ F017R2TD006	○ F017R3TD006	○ F017R4TD006
● F017R1TD033	● F017R2TD033	● F017R3TD033	● F017R4TD033





@3000K

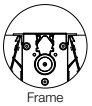
Beam Angle: 12°		
h(m)	E(lx)	D(m)
1	4356	0.21
2	1089	0.42
3	484	0.62
4	272	0.83
5	174	1.04

Ingraze: Accessori / Accessories

Cassaforma frame/frameless per installazione singola.

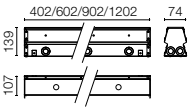
Framed/frameless installation box for single installations.

L 400
F017Z110000
L 600
F017Z120000
L 900
F017Z130000
L 1200
F017Z140000









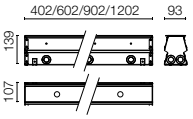
Cassaforma frame per installazione singola flush.

Framed installation box for single flush installations.

L 400
F017Z010000
L 600
F017Z020000
L 900
F017Z030000
L 1200
F017Z040000



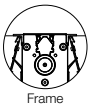




Cassaforma anti-theft frame/ frameless per installazione singola.

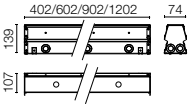
Framed/frameless anti-theft installation box for single installations.

L 400
F017Z710000
L 600
F017Z720000
L 900
F017Z730000
L 1200
F017Z740000







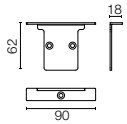




Kit staffe anti-theft frame.

Framed anti-theft bracket kit.

- F017Z550006
- F017Z550033



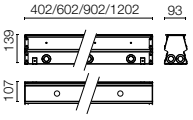
Cassaforma anti-theft frame completa per installazione singola flush.

Complete framed anti-theft installation box for single flush installations.

L 400
F017Z610000
L 600
F017Z620000
L 900
F017Z630000
L 1200
F017Z640000





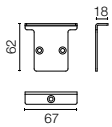


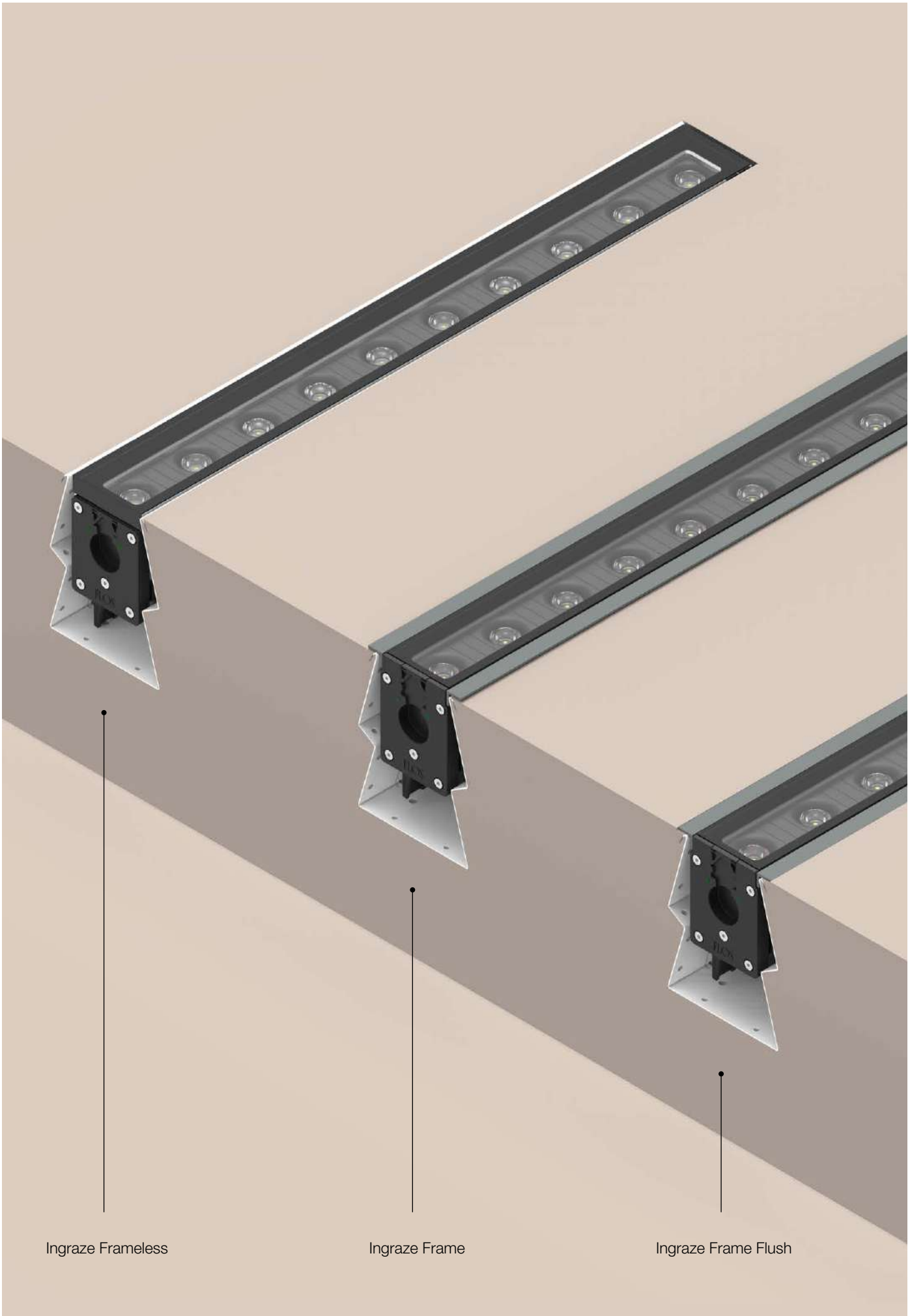


Kit staffe anti-theft frameless.

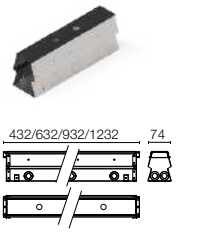
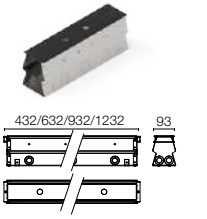
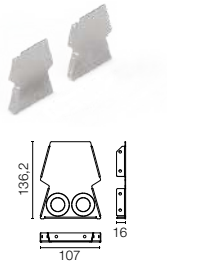
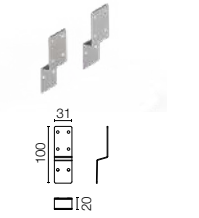
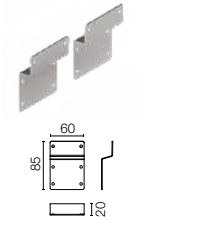
Frameless anti-theft bracket kit.

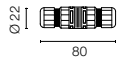
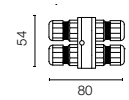
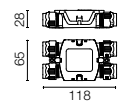
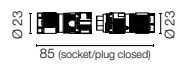
- F017Z560006
- F017Z560033




Ingraze Frameless
Ingraze Frame
Ingraze Frame Flush

Ingraze: Accessori / Accessories

Modulo fila continua frame/ frameless.	Framed/frameless continuous line module.	L 400 F017Z211000 L 600 F017Z221000 L 900 F017Z231000 L 1200 F017Z241000	
Modulo fila continua frame flush.	Framed flush continuous line module.	L 400 F017Z210000 L 600 F017Z220000 L 900 F017Z230000 L 1200 F017Z240000	
Kit testate di chiusura standard.	Standard end-plate cover kit.	F017Z490000	
Kit piastre di giunzione standard.	Standard connecting plate kit.	F017Z530000	
Kit piastre di giunzione anti-theft.	Anti-theft connecting plate kit.	F017Z531000	

Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli.	2 way terminal block 4 poles IP68 H_2O Stop.	F990C00A000	 
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000	 
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000	 
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000	 
Kit connettore 4 poli Presa Volante + Spina EU IP68.	4-pin connector kit with detachable socket + IP68 EU plug.	F990C081000	 
Kit connettore 5 poli presa volante con riduttore + tappo EU.	5-pin connector kit with detachable socket and reducer + EU cap	F990C082000	
Kit connettore 4 poli presa volante con riduttore + tappo EU	4-pin connector kit with detachable socket and reducer + EU cap	F990C083000	

Outgraze

Designed by Flos Outdoor







Outgraze





Outgraze 35 L 300



Power Led
7W
517 lm - 2700K/CRI 80
536 lm - 3000K/CRI 80
554 lm - 4000K/CRI 80

Easy Mid - Power Led
4,5W
190 lm - 2700K/CRI 80
207 lm - 3000K/CRI 80
223 lm - 4000K/CRI 80

Easy Tunable White
Mid - Power Led
4,5W
95÷120 lm - 2700K÷5700K/CRI 80

Outgraze 35 L 600



Power Led
12W
1034 lm - 2700K/CRI 80
1071 lm - 3000K/CRI 80
1108 lm - 4000K/CRI 80

Esay Mid - Power Led
9W
381 lm - 2700K/CRI 80
414 lm - 3000K/CRI 80
447 lm - 4000K/CRI 80

Easy Tunable White
Mid - Power Led
9W
190÷240 lm - 2700K÷5700K/CRI 80

Outgraze 35 L 900



Power Led
18W
1551 lm - 2700K/CRI 80
1807 lm - 3000K/CRI 80
1662 lm - 4000K/CRI 80

Easy Mid - Power Led
13W
571 lm - 2700K/CRI 80
621 lm - 3000K/CRI 80
670 lm - 4000K/CRI 80

Easy Tunable White
Mid - Power Led
13W
285÷360 lm - 2700K÷5700K/CRI 80

Outgraze 35 L 1200



Power Led
23W
2089 lm - 2700K/CRI 80
2142 lm - 3000K/CRI 80
2216 lm - 4000K/CRI 80

Easy Mid - Power Led
17,5W
761 lm - 2700K/CRI 80
827 lm - 3000K/CRI 80
894 lm - 4000K/CRI 80

Easy Tunable White
Mid - Power Led
17,5W
381÷480 lm - 2700K÷5700K/CRI 80

Outgraze 50 L 300



Power Led
8W
685 lm - 2700K/CRI 80
709 lm - 3000K/CRI 80
734 lm - 4000K/CRI 80

Easy Mid - Power Led
8W
310 lm - 2700K/CRI 80
337 lm - 3000K/CRI 80
364 lm - 4000K/CRI 80

Easy Tunable White Dali Mid - Power Led
6,5W
220 lm - 2700K/CRI 80

Outgraze 50 L 600



Power Led
14,5W
1369 lm - 2700K/CRI 80
1418 lm - 3000K/CRI 80
1467 lm - 4000K/CRI 80

Easy Mid - Power Led
14,5W
620 lm - 2700K/CRI 80
674 lm - 3000K/CRI 80
728 lm - 4000K/CRI 80

Easy - Dali Mid - Power Led
14,5W
1106 lm - 2700K/CRI 80
1198 lm - 3000K/CRI 80
1290 lm - 4000K/CRI 80

Easy Tunable White Dali Mid - Power Led
11W
440 lm - 2700K/CRI 80

RGB - Power Led
26W

RGBW - Power Led
24W

Tunable White - Dali Mid - Power Led
13W
722 lm - 2700÷5700K/CRI 80

Outgraze 50 L 900



Power Led
20W
2054 lm - 2700K/CRI 80
2127 lm - 3000K/CRI 80
2201 lm - 4000K/CRI 80

Easy / Easy Dali Mid - Power Led
20W
930 lm - 2700K/CRI 80
1011 lm - 3000K/CRI 80
1092 lm - 4000K/CRI 80

Easy Tunable White Dali Mid - Power Led
16W
660 lm - 2700K/CRI 80

RGB - Power Led
37W

RGBW - Power Led
33W

Tunable White - Dali Mid - Power Led
18,5W
1082 lm - 2700K/CRI 80

Outgraze 50 L 1200



Power Led
27W
2739 lm - 2700K/CRI 80
2836 lm - 3000K/CRI 80
2934 lm - 4000K/CRI 80

Easy / Easy Dali Mid - Power Led
27W
1240 lm - 2700K/CRI 80
1348 lm - 3000K/CRI 80
1456 lm - 4000K/CRI 80

Easy Tunable White Dali Mid - Power Led
21W
879 lm - 2700K/CRI 80

RGB - Power Led
48W

RGBW - Power Led
43W

Tunable White - Dali Mid - Power Led
23W
1443 lm - 2700K/CRI 80

Descrizione / Description

Apparecchio da esterni per installazione a parete o soffitto con fonte di luce a LED.
Corpo centrale in alluminio estruso, estremità di chiusura in alluminio pressofuso.
Ottiche realizzate con passo costante tra le lenti per offrire flusso luminoso omogeneo anche in caso di più lampade installate in una Continuous Line.
Rivestimento esterno ad alta resistenza applicato con un doppio strato con polveri secondo lo standard QUALICOAT.
Il primo strato di polvere epossidica dà resistenza chimica e meccanica, il secondo strato di finitura di polvere poliestere assicura resistenza ai raggi UV ed agli agenti atmosferici.
Le superfici verniciate sono trattate con lavaggi alcalini e acidi, risciacquate con acqua demineralizzata e sottoposte a un trattamento di conversione chimica per proteggere contro l'ossidazione.
Diffusore in vetro trasparente extra chiaro o sabbiato serigrafato e incollato per garantire la tenuta all'acqua.
L'installazione del prodotto prevede l'uso obbligatorio di staffe in acciaio, da ordinare separatamente.
Apparecchi forniti con uno spezzone di cavo in neoprene di circa 1000 mm uscente su un lato.
Disponibile versione degli apparecchi con collegamento passante per installazione multipla con continuità di linea.

Luminaire for outdoor use for installation on the wall or ceiling with LED light source.
Central body in extruded aluminum, end cap in die-cast aluminum.
Optics made with constant pitch between the lenses to offer a homogeneous luminous flux even in case of multiple lamps installed in a continuous line.
High resistance external coating applied with a double layer of epoxy powders in accordance with the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Diffuser in extra clear transparent glass or sandblasted glass, screen-printed and glued to ensure a watertight seal.
The installation of the product requires use of steel brackets, to be ordered separately.
Luminaire provided with a length of approximately 1000 mm of outgoing neoprene cable on one side.
Available versions of luminaires with loop-through connection for multiple installation with continuity of line.

Colori / Colours

Outgraze

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black

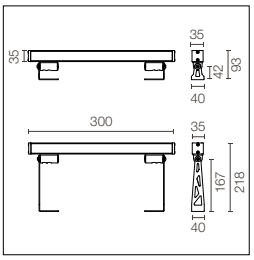


33 Anthracite



Outgraze 35 L 300





CE | III | IK 07 | IP 66 | 0,80 Kg | LED INCL

Alimentazione elettrica remota 48V e staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato. Apparecchi dimmerabili PWM.
A richiesta versione SMART (potenza 4W - flusso -50% lm).

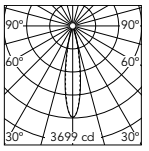
48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 4W - flux -50% lm).

Power Led:7W - 696 lm ≠ *FIXT 517 lm - 2700K/CRI 80 - 48V / 7W - 720 lm ≠ *FIXT 536 lm - 3000K/CRI 80 - 48V / 7W - 745 lm ≠ *FIXT 554 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A11H001	○ F020A21H001	○ F020A31H001	○ F020A41H001
● F020A11H006	● F020A21H006	● F020A31H006	● F020A41H006
● F020A11H012	● F020A21H012	● F020A31H012	● F020A41H012
● F020A11H018	● F020A21H018	● F020A31H018	● F020A41H018
● F020A11H030	● F020A21H030	● F020A31H030	● F020A41H030
● F020A11H033	● F020A21H033	● F020A31H033	● F020A41H033

18°
SPOT



@4000K

Beam Angle:	18°	
h(m)	E(lx)	D(m)
1	3699	0.34
2	925	0.68
3	411	1.02
4	231	1.36
5	148	1.70

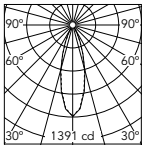
[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B11H001	○ F020B21H001	○ F020B31H001	○ F020B41H001
● F020B11H006	● F020B21H006	● F020B31H006	● F020B41H006
● F020B11H012	● F020B21H012	● F020B31H012	● F020B41H012
● F020B11H018	● F020B21H018	● F020B31H018	● F020B41H018
● F020B11H030	● F020B21H030	● F020B31H030	● F020B41H030
● F020B11H033	● F020B21H033	● F020B31H033	● F020B41H033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A15H001	○ F020A25H001	○ F020A35H001	○ F020A45H001
● F020A15H006	● F020A25H006	● F020A35H006	● F020A45H006
● F020A15H012	● F020A25H012	● F020A35H012	● F020A45H012
● F020A15H018	● F020A25H018	● F020A35H018	● F020A45H018
● F020A15H030	● F020A25H030	● F020A35H030	● F020A45H030
● F020A15H033	● F020A25H033	● F020A35H033	● F020A45H033

30°
MEDIUM



@4000K

Beam Angle:	30°	
h(m)	E(lx)	D(m)
1	1391	0.55
2	348	1.11
3	155	1.66
4	87	2.22
5	56	2.77

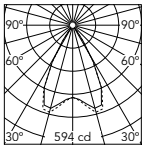
[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B15H001	○ F020B25H001	○ F020B35H001	○ F020B45H001
● F020B15H006	● F020B25H006	● F020B35H006	● F020B45H006
● F020B15H012	● F020B25H012	● F020B35H012	● F020B45H012
● F020B15H018	● F020B25H018	● F020B35H018	● F020B45H018
● F020B15H030	● F020B25H030	● F020B35H030	● F020B45H030
● F020B15H033	● F020B25H033	● F020B35H033	● F020B45H033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1AH001	○ F020A2AH001	○ F020A3AH001	○ F020A4AH001
● F020A1AH006	● F020A2AH006	● F020A3AH006	● F020A4AH006
● F020A1AH012	● F020A2AH012	● F020A3AH012	● F020A4AH012
● F020A1AH018	● F020A2AH018	● F020A3AH018	● F020A4AH018
● F020A1AH030	● F020A2AH030	● F020A3AH030	● F020A4AH030
● F020A1AH033	● F020A2AH033	● F020A3AH033	● F020A4AH033

59°
FLOOD



@4000K

Beam Angle:	59°	
h(m)	E(lx)	D(m)
1	594	1.14
2	148	2.28
3	66	3.41
4	37	4.55
5	24	5.69

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

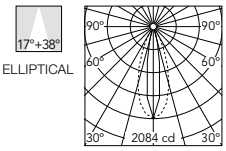
2200K	2700K	3000K	4000K
○ F020B1AH001	○ F020B2AH001	○ F020B3AH001	○ F020B4AH001
● F020B1AH006	● F020B2AH006	● F020B3AH006	● F020B4AH006
● F020B1AH012	● F020B2AH012	● F020B3AH012	● F020B4AH012
● F020B1AH018	● F020B2AH018	● F020B3AH018	● F020B4AH018
● F020B1AH030	● F020B2AH030	● F020B3AH030	● F020B4AH030
● F020B1AH033	● F020B2AH033	● F020B3AH033	● F020B4AH033

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1EH001	○ F020A2EH001	○ F020A3EH001	○ F020A4EH001
● F020A1EH006	● F020A2EH006	● F020A3EH006	● F020A4EH006
● F020A1EH012	● F020A2EH012	● F020A3EH012	● F020A4EH012
● F020A1EH018	● F020A2EH018	● F020A3EH018	● F020A4EH018
● F020A1EH030	● F020A2EH030	● F020A3EH030	● F020A4EH030
● F020A1EH033	● F020A2EH033	● F020A3EH033	● F020A4EH033



Beam Angle: 38°

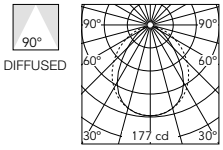
h(m)	E(lx)	D(m)
1	2084	0.30
2	521	0.60
3	232	0.90
4	130	1.20
5	83	1.50

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B1EH001	○ F020B2EH001	○ F020B3EH001	○ F020B4EH001
● F020B1EH006	● F020B2EH006	● F020B3EH006	● F020B4EH006
● F020B1EH012	● F020B2EH012	● F020B3EH012	● F020B4EH012
● F020B1EH018	● F020B2EH018	● F020B3EH018	● F020B4EH018
● F020B1EH030	● F020B2EH030	● F020B3EH030	● F020B4EH030
● F020B1EH033	● F020B2EH033	● F020B3EH033	● F020B4EH033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1JH001	○ F020A2JH001	○ F020A3JH001	○ F020A4JH001
● F020A1JH006	● F020A2JH006	● F020A3JH006	● F020A4JH006
● F020A1JH012	● F020A2JH012	● F020A3JH012	● F020A4JH012
● F020A1JH018	● F020A2JH018	● F020A3JH018	● F020A4JH018
● F020A1JH030	● F020A2JH030	● F020A3JH030	● F020A4JH030
● F020A1JH033	● F020A2JH033	● F020A3JH033	● F020A4JH033



Beam Angle: 90°

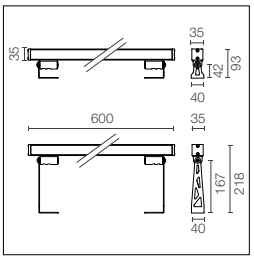
h(m)	E(lx)	D(m)
1	177	1.67
2	44	3.34
3	20	5.00
4	11	6.67
5	7	8.34

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B1JH001	○ F020B2JH001	○ F020B3JH001	○ F020B4JH001
● F020B1JH006	● F020B2JH006	● F020B3JH006	● F020B4JH006
● F020B1JH012	● F020B2JH012	● F020B3JH012	● F020B4JH012
● F020B1JH018	● F020B2JH018	● F020B3JH018	● F020B4JH018
● F020B1JH030	● F020B2JH030	● F020B3JH030	● F020B4JH030
● F020B1JH033	● F020B2JH033	● F020B3JH033	● F020B4JH033

Outgraze 35 L 600





IP 66 | 1,65 Kg | LED INCL. | IK 07

Alimentazione elettrica remota 48V e staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato. Apparecchi dimmerabili PWM.
A richiesta versione SMART (potenza 7W - flusso -50% lm).

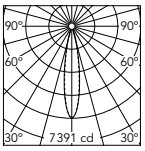
48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 7W - flux -50% lm).

Power Led: 12W - 1391 lm ≠ *FIXT 1034 lm - 2700K/CRI 80 - 48V / 12W - 1441 lm ≠ *FIXT 1071 lm - 3000K/CRI 80 - 48V / 12W - 1490 lm ≠ *FIXT 1108 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A12H001	○ F020A22H001	○ F020A32H001	○ F020A42H001
● F020A12H006	● F020A22H006	● F020A32H006	● F020A42H006
● F020A12H012	● F020A22H012	● F020A32H012	● F020A42H012
● F020A12H018	● F020A22H018	● F020A32H018	● F020A42H018
● F020A12H030	● F020A22H030	● F020A32H030	● F020A42H030
● F020A12H033	● F020A22H033	● F020A32H033	● F020A42H033

18°
SPOT



@4000K

Beam Angle:		18°
h(m)	E(lx)	D(m)
1	7391	0.34
2	1848	0.68
3	821	1.02
4	462	1.36
5	296	1.70

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B12H001	○ F020B22H001	○ F020B32H001	○ F020B42H001
● F020B12H006	● F020B22H006	● F020B32H006	● F020B42H006
● F020B12H012	● F020B22H012	● F020B32H012	● F020B42H012
● F020B12H018	● F020B22H018	● F020B32H018	● F020B42H018
● F020B12H030	● F020B22H030	● F020B32H030	● F020B42H030
● F020B12H033	● F020B22H033	● F020B32H033	● F020B42H033

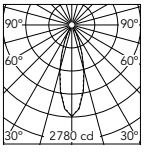
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram page 622

2200K	2700K	3000K	4000K
○ F020C12H001	○ F020C22H001	○ F020C32H001	○ F020C42H001
● F020C12H006	● F020C22H006	● F020C32H006	● F020C42H006
● F020C12H012	● F020C22H012	● F020C32H012	● F020C42H012
● F020C12H018	● F020C22H018	● F020C32H018	● F020C42H018
● F020C12H030	● F020C22H030	● F020C32H030	● F020C42H030
● F020C12H033	● F020C22H033	● F020C32H033	● F020C42H033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A16H001	○ F020A26H001	○ F020A36H001	○ F020A46H001
● F020A16H006	● F020A26H006	● F020A36H006	● F020A46H006
● F020A16H012	● F020A26H012	● F020A36H012	● F020A46H012
● F020A16H018	● F020A26H018	● F020A36H018	● F020A46H018
● F020A16H030	● F020A26H030	● F020A36H030	● F020A46H030
● F020A16H033	● F020A26H033	● F020A36H033	● F020A46H033

30°
MEDIUM



@4000K

Beam Angle:		30°
h(m)	E(lx)	D(m)
1	2780	0.55
2	695	1.11
3	309	1.66
4	174	2.22
5	111	2.77

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B16H001	○ F020B26H001	○ F020B36H001	○ F020B46H001
● F020B16H006	● F020B26H006	● F020B36H006	● F020B46H006
● F020B16H012	● F020B26H012	● F020B36H012	● F020B46H012
● F020B16H018	● F020B26H018	● F020B36H018	● F020B46H018
● F020B16H030	● F020B26H030	● F020B36H030	● F020B46H030
● F020B16H033	● F020B26H033	● F020B36H033	● F020B46H033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram page 622

2200K	2700K	3000K	4000K
○ F020C16H001	○ F020C26H001	○ F020C36H001	○ F020C46H001
● F020C16H006	● F020C26H006	● F020C36H006	● F020C46H006
● F020C16H012	● F020C26H012	● F020C36H012	● F020C46H012
● F020C16H018	● F020C26H018	● F020C36H018	● F020C46H018
● F020C16H030	● F020C26H030	● F020C36H030	● F020C46H030
● F020C16H033	● F020C26H033	● F020C36H033	● F020C46H033

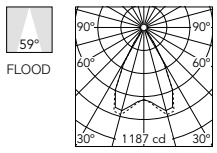
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1BH001	○ F020A2BH001	○ F020A3BH001	○ F020A4BH001
● F020A1BH006	● F020A2BH006	● F020A3BH006	● F020A4BH006
● F020A1BH012	● F020A2BH012	● F020A3BH012	● F020A4BH012
● F020A1BH018	● F020A2BH018	● F020A3BH018	● F020A4BH018
● F020A1BH030	● F020A2BH030	● F020A3BH030	● F020A4BH030
● F020A1BH033	● F020A2BH033	● F020A3BH033	● F020A4BH033



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	1187	1.14
2	297	2.28
3	132	3.41
4	74	4.55
5	47	5.69

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

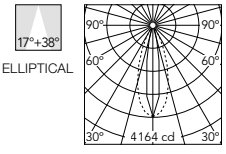
2200K	2700K	3000K	4000K
○ F020B1BH001	○ F020B2BH001	○ F020B3BH001	○ F020B4BH001
● F020B1BH006	● F020B2BH006	● F020B3BH006	● F020B4BH006
● F020B1BH012	● F020B2BH012	● F020B3BH012	● F020B4BH012
● F020B1BH018	● F020B2BH018	● F020B3BH018	● F020B4BH018
● F020B1BH030	● F020B2BH030	● F020B3BH030	● F020B4BH030
● F020B1BH033	● F020B2BH033	● F020B3BH033	● F020B4BH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram page 622

2200K	2700K	3000K	4000K
○ F020C1BH001	○ F020C2BH001	○ F020C3BH001	○ F020C4BH001
● F020C1BH006	● F020C2BH006	● F020C3BH006	● F020C4BH006
● F020C1BH012	● F020C2BH012	● F020C3BH012	● F020C4BH012
● F020C1BH018	● F020C2BH018	● F020C3BH018	● F020C4BH018
● F020C1BH030	● F020C2BH030	● F020C3BH030	● F020C4BH030
● F020C1BH033	● F020C2BH033	● F020C3BH033	● F020C4BH033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1FH001	○ F020A2FH001	○ F020A3FH001	○ F020A4FH001
● F020A1FH006	● F020A2FH006	● F020A3FH006	● F020A4FH006
● F020A1FH012	● F020A2FH012	● F020A3FH012	● F020A4FH012
● F020A1FH018	● F020A2FH018	● F020A3FH018	● F020A4FH018
● F020A1FH030	● F020A2FH030	● F020A3FH030	● F020A4FH030
● F020A1FH033	● F020A2FH033	● F020A3FH033	● F020A4FH033



Beam Angle: 38°

h(m)	E(lx)	D(m)
1	4164	0.30
2	1041	0.60
3	463	0.90
4	260	1.20
5	167	1.50

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

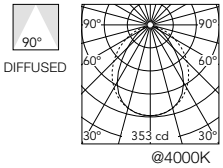
2200K	2700K	3000K	4000K
○ F020B1FH001	○ F020B2FH001	○ F020B3FH001	○ F020B4FH001
● F020B1FH006	● F020B2FH006	● F020B3FH006	● F020B4FH006
● F020B1FH012	● F020B2FH012	● F020B3FH012	● F020B4FH012
● F020B1FH018	● F020B2FH018	● F020B3FH018	● F020B4FH018
● F020B1FH030	● F020B2FH030	● F020B3FH030	● F020B4FH030
● F020B1FH033	● F020B2FH033	● F020B3FH033	● F020B4FH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram page 622

2200K	2700K	3000K	4000K
○ F020C1FH001	○ F020C2FH001	○ F020C3FH001	○ F020C4FH001
● F020C1FH006	● F020C2FH006	● F020C3FH006	● F020C4FH006
● F020C1FH012	● F020C2FH012	● F020C3FH012	● F020C4FH012
● F020C1FH018	● F020C2FH018	● F020C3FH018	● F020C4FH018
● F020C1FH030	● F020C2FH030	● F020C3FH030	● F020C4FH030
● F020C1FH033	● F020C2FH033	● F020C3FH033	● F020C4FH033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1KH001	○ F020A2KH001	○ F020A3KH001	○ F020A4KH001
● F020A1KH006	● F020A2KH006	● F020A3KH006	● F020A4KH006
● F020A1KH012	● F020A2KH012	● F020A3KH012	● F020A4KH012
● F020A1KH018	● F020A2KH018	● F020A3KH018	● F020A4KH018
● F020A1KH030	● F020A2KH030	● F020A3KH030	● F020A4KH030
● F020A1KH033	● F020A2KH033	● F020A3KH033	● F020A4KH033



Beam Angle: 90°

h(m)	E(lx)	D(m)
1	353	1.67
2	88	3.34
3	39	5.00
4	22	6.67
5	14	8.34

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

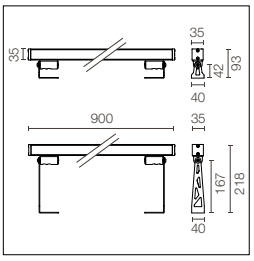
2200K	2700K	3000K	4000K
○ F020B1KH001	○ F020B2KH001	○ F020B3KH001	○ F020B4KH001
● F020B1KH006	● F020B2KH006	● F020B3KH006	● F020B4KH006
● F020B1KH012	● F020B2KH012	● F020B3KH012	● F020B4KH012
● F020B1KH018	● F020B2KH018	● F020B3KH018	● F020B4KH018
● F020B1KH030	● F020B2KH030	● F020B3KH030	● F020B4KH030
● F020B1KH033	● F020B2KH033	● F020B3KH033	● F020B4KH033

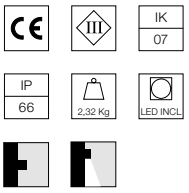
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram page 622

2200K	2700K	3000K	4000K
○ F020C1KH001	○ F020C2KH001	○ F020C3KH001	○ F020C4KH001
● F020C1KH006	● F020C2KH006	● F020C3KH006	● F020C4KH006
● F020C1KH012	● F020C2KH012	● F020C3KH012	● F020C4KH012
● F020C1KH018	● F020C2KH018	● F020C3KH018	● F020C4KH018
● F020C1KH030	● F020C2KH030	● F020C3KH030	● F020C4KH030
● F020C1KH033	● F020C2KH033	● F020C3KH033	● F020C4KH033

Outgraze 35 L 900







Alimentazione elettrica remota 48V e staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.Apparecchi dimmerabili PWM.
A richiesta versione SMART (potenza 11W - flusso -50% lm).

48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 11W - flux -50% lm).

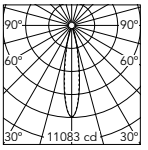
Power Led: 18W - 2087 lm ≠ *FIXT 1551 lm - 2700K/CRI 80 - 48V / 18W - 2161 lm ≠ *FIXT 1607 lm - 3000K/CRI 80 - 48V / 18W - 2236 lm ≠ *FIXT 1662 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A13H001	○ F020A23H001	○ F020A33H001	○ F020A43H001
● F020A13H006	● F020A23H006	● F020A33H006	● F020A43H006
● F020A13H012	● F020A23H012	● F020A33H012	● F020A43H012
● F020A13H018	● F020A23H018	● F020A33H018	● F020A43H018
● F020A13H030	● F020A23H030	● F020A33H030	● F020A43H030
● F020A13H033	● F020A23H033	● F020A33H033	● F020A43H033



SPOT



@4000K

Beam Angle:		18°
h(m)	E(lx)	D(m)
1	11083	0.34
2	2771	0.68
3	1231	1.02
4	693	1.36
5	443	1.70

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B13H001	○ F020B23H001	○ F020B33H001	○ F020B43H001
● F020B13H006	● F020B23H006	● F020B33H006	● F020B43H006
● F020B13H012	● F020B23H012	● F020B33H012	● F020B43H012
● F020B13H018	● F020B23H018	● F020B33H018	● F020B43H018
● F020B13H030	● F020B23H030	● F020B33H030	● F020B43H030
● F020B13H033	● F020B23H033	● F020B33H033	● F020B43H033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

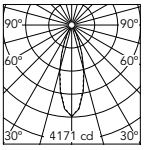
2200K	2700K	3000K	4000K
○ F020C13H001	○ F020C23H001	○ F020C33H001	○ F020C43H001
● F020C13H006	● F020C23H006	● F020C33H006	● F020C43H006
● F020C13H012	● F020C23H012	● F020C33H012	● F020C43H012
● F020C13H018	● F020C23H018	● F020C33H018	● F020C43H018
● F020C13H030	● F020C23H030	● F020C33H030	● F020C43H030
● F020C13H033	● F020C23H033	● F020C33H033	● F020C43H033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A17H001	○ F020A27H001	○ F020A37H001	○ F020A47H001
● F020A17H006	● F020A27H006	● F020A37H006	● F020A47H006
● F020A17H012	● F020A27H012	● F020A37H012	● F020A47H012
● F020A17H018	● F020A27H018	● F020A37H018	● F020A47H018
● F020A17H030	● F020A27H030	● F020A37H030	● F020A47H030
● F020A17H033	● F020A27H033	● F020A37H033	● F020A47H033



MEDIUM



@4000K

Beam Angle:		30°
h(m)	E(lx)	D(m)
1	4171	0.55
2	1043	1.11
3	463	1.66
4	261	2.22
5	167	2.77

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B17H001	○ F020B27H001	○ F020B37H001	○ F020B47H001
● F020B17H006	● F020B27H006	● F020B37H006	● F020B47H006
● F020B17H012	● F020B27H012	● F020B37H012	● F020B47H012
● F020B17H018	● F020B27H018	● F020B37H018	● F020B47H018
● F020B17H030	● F020B27H030	● F020B37H030	● F020B47H030
● F020B17H033	● F020B27H033	● F020B37H033	● F020B47H033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C17H001	○ F020C27H001	○ F020C37H001	○ F020C47H001
● F020C17H006	● F020C27H006	● F020C37H006	● F020C47H006
● F020C17H012	● F020C27H012	● F020C37H012	● F020C47H012
● F020C17H018	● F020C27H018	● F020C37H018	● F020C47H018
● F020C17H030	● F020C27H030	● F020C37H030	● F020C47H030
● F020C17H033	● F020C27H033	● F020C37H033	● F020C47H033

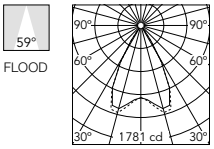
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1CH001	○ F020A2CH001	○ F020A3CH001	○ F020A4CH001
● F020A1CH006	● F020A2CH006	● F020A3CH006	● F020A4CH006
● F020A1CH012	● F020A2CH012	● F020A3CH012	● F020A4CH012
● F020A1CH018	● F020A2CH018	● F020A3CH018	● F020A4CH018
● F020A1CH030	● F020A2CH030	● F020A3CH030	● F020A4CH030
● F020A1CH033	● F020A2CH033	● F020A3CH033	● F020A4CH033



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	1781	1.14
2	445	2.28
3	198	3.41
4	111	4.55
5	71	5.69

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

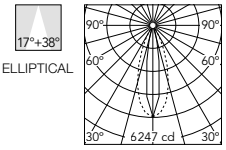
2200K	2700K	3000K	4000K
○ F020B1CH001	○ F020B2CH001	○ F020B3CH001	○ F020B4CH001
● F020B1CH006	● F020B2CH006	● F020B3CH006	● F020B4CH006
● F020B1CH012	● F020B2CH012	● F020B3CH012	● F020B4CH012
● F020B1CH018	● F020B2CH018	● F020B3CH018	● F020B4CH018
● F020B1CH030	● F020B2CH030	● F020B3CH030	● F020B4CH030
● F020B1CH033	● F020B2CH033	● F020B3CH033	● F020B4CH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C1CH001	○ F020C2CH001	○ F020C3CH001	○ F020C4CH001
● F020C1CH006	● F020C2CH006	● F020C3CH006	● F020C4CH006
● F020C1CH012	● F020C2CH012	● F020C3CH012	● F020C4CH012
● F020C1CH018	● F020C2CH018	● F020C3CH018	● F020C4CH018
● F020C1CH030	● F020C2CH030	● F020C3CH030	● F020C4CH030
● F020C1CH033	● F020C2CH033	● F020C3CH033	● F020C4CH033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1GH001	○ F020A2GH001	○ F020A3GH001	○ F020A4GH001
● F020A1GH006	● F020A2GH006	● F020A3GH006	● F020A4GH006
● F020A1GH012	● F020A2GH012	● F020A3GH012	● F020A4GH012
● F020A1GH018	● F020A2GH018	● F020A3GH018	● F020A4GH018
● F020A1GH030	● F020A2GH030	● F020A3GH030	● F020A4GH030
● F020A1GH033	● F020A2GH033	● F020A3GH033	● F020A4GH033



Beam Angle: 38°

h(m)	E(lx)	D(m)
1	6247	0.30
2	1562	0.60
3	694	0.90
4	390	1.20
5	250	1.50

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

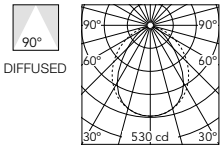
2200K	2700K	3000K	4000K
○ F020B1GH001	○ F020B2GH001	○ F020B3GH001	○ F020B4GH001
● F020B1GH006	● F020B2GH006	● F020B3GH006	● F020B4GH006
● F020B1GH012	● F020B2GH012	● F020B3GH012	● F020B4GH012
● F020B1GH018	● F020B2GH018	● F020B3GH018	● F020B4GH018
● F020B1GH030	● F020B2GH030	● F020B3GH030	● F020B4GH030
● F020B1GH033	● F020B2GH033	● F020B3GH033	● F020B4GH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C1GH001	○ F020C2GH001	○ F020C3GH001	○ F020C4GH001
● F020C1GH006	● F020C2GH006	● F020C3GH006	● F020C4GH006
● F020C1GH012	● F020C2GH012	● F020C3GH012	● F020C4GH012
● F020C1GH018	● F020C2GH018	● F020C3GH018	● F020C4GH018
● F020C1GH030	● F020C2GH030	● F020C3GH030	● F020C4GH030
● F020C1GH033	● F020C2GH033	● F020C3GH033	● F020C4GH033

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1LH001	○ F020A2LH001	○ F020A3LH001	○ F020A4LH001
● F020A1LH006	● F020A2LH006	● F020A3LH006	● F020A4LH006
● F020A1LH012	● F020A2LH012	● F020A3LH012	● F020A4LH012
● F020A1LH018	● F020A2LH018	● F020A3LH018	● F020A4LH018
● F020A1LH030	● F020A2LH030	● F020A3LH030	● F020A4LH030
● F020A1LH033	● F020A2LH033	● F020A3LH033	● F020A4LH033



Beam Angle: 90°

h(m)	E(lx)	D(m)
1	530	1.67
2	132	3.34
3	59	5.00
4	33	6.67
5	21	8.34

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

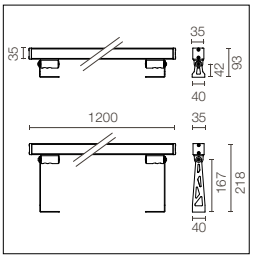
2200K	2700K	3000K	4000K
○ F020B1LH001	○ F020B2LH001	○ F020B3LH001	○ F020B4LH001
● F020B1LH006	● F020B2LH006	● F020B3LH006	● F020B4LH006
● F020B1LH012	● F020B2LH012	● F020B3LH012	● F020B4LH012
● F020B1LH018	● F020B2LH018	● F020B3LH018	● F020B4LH018
● F020B1LH030	● F020B2LH030	● F020B3LH030	● F020B4LH030
● F020B1LH033	● F020B2LH033	● F020B3LH033	● F020B4LH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C1LH001	○ F020C2LH001	○ F020C3LH001	○ F020C4LH001
● F020C1LH006	● F020C2LH006	● F020C3LH006	● F020C4LH006
● F020C1LH012	● F020C2LH012	● F020C3LH012	● F020C4LH012
● F020C1LH018	● F020C2LH018	● F020C3LH018	● F020C4LH018
● F020C1LH030	● F020C2LH030	● F020C3LH030	● F020C4LH030
● F020C1LH033	● F020C2LH033	● F020C3LH033	● F020C4LH033

Outgraze 35 L 1200





IP 66 · 2,90 Kg · IK 07 · LED INCL

Alimentazione elettrica remota 48V e staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.Apparecchi dimmerabili PWM. A richiesta versione SMART (potenza 14W - flusso -50% lm).

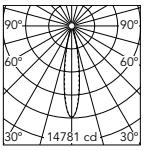
48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 14W - flux -50% lm).

Power Led: 23W - 2782 lm ≠ *FIXT 2069 lm - 2700K/CRI 80 - 48V /23W - 2881 lm ≠ *FIXT 2142 lm - 3000K/CRI 80 - 48V / 23W - 2981 lm ≠ *FIXT 2216 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A14H001	○ F020A24H001	○ F020A34H001	○ F020A44H001
● F020A14H006	● F020A24H006	● F020A34H006	● F020A44H006
● F020A14H012	● F020A24H012	● F020A34H012	● F020A44H012
● F020A14H018	● F020A24H018	● F020A34H018	● F020A44H018
● F020A14H030	● F020A24H030	● F020A34H030	● F020A44H030
● F020A14H033	● F020A24H033	● F020A34H033	● F020A44H033

18° SPOT



@4000K

Beam Angle: 18°

h(m)	E(lx)	D(m)
1	14781	0.34
2	3695	0.68
3	1642	1.02
4	924	1.36
5	591	1.70

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B14H001	○ F020B24H001	○ F020B34H001	○ F020B44H001
● F020B14H006	● F020B24H006	● F020B34H006	● F020B44H006
● F020B14H012	● F020B24H012	● F020B34H012	● F020B44H012
● F020B14H018	● F020B24H018	● F020B34H018	● F020B44H018
● F020B14H030	● F020B24H030	● F020B34H030	● F020B44H030
● F020B14H033	● F020B24H033	● F020B34H033	● F020B44H033

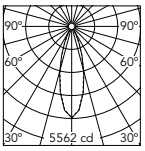
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C14H001	○ F020C24H001	○ F020C34H001	○ F020C44H001
● F020C14H006	● F020C24H006	● F020C34H006	● F020C44H006
● F020C14H012	● F020C24H012	● F020C34H012	● F020C44H012
● F020C14H018	● F020C24H018	● F020C34H018	● F020C44H018
● F020C14H030	● F020C24H030	● F020C34H030	● F020C44H030
● F020C14H033	● F020C24H033	● F020C34H033	● F020C44H033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A18H001	○ F020A28H001	○ F020A38H001	○ F020A48H001
● F020A18H006	● F020A28H006	● F020A38H006	● F020A48H006
● F020A18H012	● F020A28H012	● F020A38H012	● F020A48H012
● F020A18H018	● F020A28H018	● F020A38H018	● F020A48H018
● F020A18H030	● F020A28H030	● F020A38H030	● F020A48H030
● F020A18H033	● F020A28H033	● F020A38H033	● F020A48H033

30° MEDIUM



@4000K

Beam Angle: 30°

h(m)	E(lx)	D(m)
1	5562	0.55
2	1390	1.11
3	618	1.66
4	348	2.22
5	222	2.77

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B18H001	○ F020B28H001	○ F020B38H001	○ F020B48H001
● F020B18H006	● F020B28H006	● F020B38H006	● F020B48H006
● F020B18H012	● F020B28H012	● F020B38H012	● F020B48H012
● F020B18H018	● F020B28H018	● F020B38H018	● F020B48H018
● F020B18H030	● F020B28H030	● F020B38H030	● F020B48H030
● F020B18H033	● F020B28H033	● F020B38H033	● F020B48H033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C18H001	○ F020C28H001	○ F020C38H001	○ F020C48H001
● F020C18H006	● F020C28H006	● F020C38H006	● F020C48H006
● F020C18H012	● F020C28H012	● F020C38H012	● F020C48H012
● F020C18H018	● F020C28H018	● F020C38H018	● F020C48H018
● F020C18H030	● F020C28H030	● F020C38H030	● F020C48H030
● F020C18H033	● F020C28H033	● F020C38H033	● F020C48H033

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

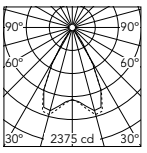
[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1DH001	○ F020A2DH001	○ F020A3DH001	○ F020A4DH001
● F020A1DH006	● F020A2DH006	● F020A3DH006	● F020A4DH006
● F020A1DH012	● F020A2DH012	● F020A3DH012	● F020A4DH012
● F020A1DH018	● F020A2DH018	● F020A3DH018	● F020A4DH018
● F020A1DH030	● F020A2DH030	● F020A3DH030	● F020A4DH030
● F020A1DH033	● F020A2DH033	● F020A3DH033	● F020A4DH033



FLOOD



@4000K

Beam Angle:	59°	
h(m)	E(lx)	D(m)
1	2375	1.14
2	594	2.28
3	264	3.41
4	148	4.55
5	95	5.69

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B1DH001	○ F020B2DH001	○ F020B3DH001	○ F020B4DH001
● F020B1DH006	● F020B2DH006	● F020B3DH006	● F020B4DH006
● F020B1DH012	● F020B2DH012	● F020B3DH012	● F020B4DH012
● F020B1DH018	● F020B2DH018	● F020B3DH018	● F020B4DH018
● F020B1DH030	● F020B2DH030	● F020B3DH030	● F020B4DH030
● F020B1DH033	● F020B2DH033	● F020B3DH033	● F020B4DH033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

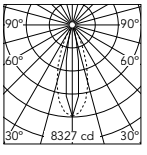
2200K	2700K	3000K	4000K
○ F020C1DH001	○ F020C2DH001	○ F020C3DH001	○ F020C4DH001
● F020C1DH006	● F020C2DH006	● F020C3DH006	● F020C4DH006
● F020C1DH012	● F020C2DH012	● F020C3DH012	● F020C4DH012
● F020C1DH018	● F020C2DH018	● F020C3DH018	● F020C4DH018
● F020C1DH030	● F020C2DH030	● F020C3DH030	● F020C4DH030
● F020C1DH033	● F020C2DH033	● F020C3DH033	● F020C4DH033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1HH001	○ F020A2HH001	○ F020A3HH001	○ F020A4HH001
● F020A1HH006	● F020A2HH006	● F020A3HH006	● F020A4HH006
● F020A1HH012	● F020A2HH012	● F020A3HH012	● F020A4HH012
● F020A1HH018	● F020A2HH018	● F020A3HH018	● F020A4HH018
● F020A1HH030	● F020A2HH030	● F020A3HH030	● F020A4HH030
● F020A1HH033	● F020A2HH033	● F020A3HH033	● F020A4HH033



ELLIPTICAL



@4000K

Beam Angle:	38°	
h(m)	E(lx)	D(m)
1	8327	0.30
2	2082	0.60
3	925	0.90
4	520	1.20
5	333	1.50

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2200K	2700K	3000K	4000K
○ F020B1HH001	○ F020B2HH001	○ F020B3HH001	○ F020B4HH001
● F020B1HH006	● F020B2HH006	● F020B3HH006	● F020B4HH006
● F020B1HH012	● F020B2HH012	● F020B3HH012	● F020B4HH012
● F020B1HH018	● F020B2HH018	● F020B3HH018	● F020B4HH018
● F020B1HH030	● F020B2HH030	● F020B3HH030	● F020B4HH030
● F020B1HH033	● F020B2HH033	● F020B3HH033	● F020B4HH033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

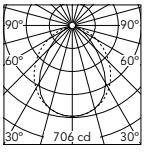
2200K	2700K	3000K	4000K
○ F020C1HH001	○ F020C2HH001	○ F020C3HH001	○ F020C4HH001
● F020C1HH006	● F020C2HH006	● F020C3HH006	● F020C4HH006
● F020C1HH012	● F020C2HH012	● F020C3HH012	● F020C4HH012
● F020C1HH018	● F020C2HH018	● F020C3HH018	● F020C4HH018
● F020C1HH030	● F020C2HH030	● F020C3HH030	● F020C4HH030
● F020C1HH033	● F020C2HH033	● F020C3HH033	● F020C4HH033

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2200K	2700K	3000K	4000K
○ F020A1MH001	○ F020A2MH001	○ F020A3MH001	○ F020A4MH001
● F020A1MH006	● F020A2MH006	● F020A3MH006	● F020A4MH006
● F020A1MH012	● F020A2MH012	● F020A3MH012	● F020A4MH012
● F020A1MH018	● F020A2MH018	● F020A3MH018	● F020A4MH018
● F020A1MH030	● F020A2MH030	● F020A3MH030	● F020A4MH030
● F020A1MH033	● F020A2MH033	● F020A3MH033	● F020A4MH033



DIFFUSED



@4000K

Beam Angle:	90°	
h(m)	E(lx)	D(m)
1	706	1.67
2	177	3.34
3	78	5.00
4	44	6.67
5	28	8.34

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

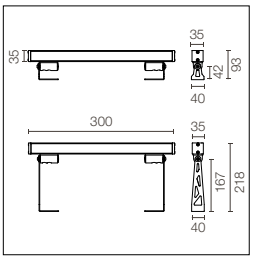
2200K	2700K	3000K	4000K
○ F020B1MH001	○ F020B2MH001	○ F020B3MH001	○ F020B4MH001
● F020B1MH006	● F020B2MH006	● F020B3MH006	● F020B4MH006
● F020B1MH012	● F020B2MH012	● F020B3MH012	● F020B4MH012
● F020B1MH018	● F020B2MH018	● F020B3MH018	● F020B4MH018
● F020B1MH030	● F020B2MH030	● F020B3MH030	● F020B4MH030
● F020B1MH033	● F020B2MH033	● F020B3MH033	● F020B4MH033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2200K	2700K	3000K	4000K
○ F020C1MH001	○ F020C2MH001	○ F020C3MH001	○ F020C4MH001
● F020C1MH006	● F020C2MH006	● F020C3MH006	● F020C4MH006
● F020C1MH012	● F020C2MH012	● F020C3MH012	● F020C4MH012
● F020C1MH018	● F020C2MH018	● F020C3MH018	● F020C4MH018
● F020C1MH030	● F020C2MH030	● F020C3MH030	● F020C4MH030
● F020C1MH033	● F020C2MH033	● F020C3MH033	● F020C4MH033

Outgraze 35 Easy L 300





IP 66 · 0,80 Kg · LED INCL · IK 07

Alimentazione elettrica remota 24V e staffe di installazione da ordinare separatamente. Apparecchi dimmerabili PWM. Vetro sabbiato.

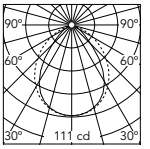
24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

Mid-power Led: 4,5W - 454 lm ≠ FIXT 190 lm - 2700K/CRI 80 - 24V / 4,5W - 494 lm ≠ FIXT 207 lm - 3000K/CRI 80 - 24V / 4,5W - 533 lm ≠ FIXT 223 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2700K	**3000K**	**4000K**
○ F020G2JH001	○ F020G3JH001	○ F020G4JH001
● F020G2JH006	● F020G3JH006	● F020G4JH006
● F020G2JH012	● F020G3JH012	● F020G4JH012
● F020G2JH018	● F020G3JH018	● F020G4JH018
● F020G2JH030	● F020G3JH030	● F020G4JH030
● F020G2JH033	● F020G3JH033	● F020G4JH033

90°
DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	111	1.62
2	28	3.23
3	12	4.85
4	7	6.46
5	4	8.08

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2700K	**3000K**	**4000K**
○ F020H2JH001	○ F020H3JH001	○ F020H4JH001
● F020H2JH006	● F020H3JH006	● F020H4JH006
● F020H2JH012	● F020H3JH012	● F020H4JH012
● F020H2JH018	● F020H3JH018	● F020H4JH018
● F020H2JH030	● F020H3JH030	● F020H4JH030
● F020H2JH033	● F020H3JH033	● F020H4JH033

Outgraze 35 Easy L 300 - Tunable White 2700K÷5700K

Mid-power Led: 4,5W - 227÷286 lm ≠ FIXT 95÷120 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Schema elettrico n.4 page 623 / Wiring diagram n.4 page 623

2700K÷5700K

○ F020GTJH001
● F020GTJH006
● F020GTJH012
● F020GTJH018
● F020GTJH030
● F020GTJH033

90°
DIFFUSED

[2]**Tunable White Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.5 page 623 / Wiring diagram n.5 page 623

2700K÷5700K

○ F020HTJH001
● F020HTJH006
● F020HTJH012
● F020HTJH018
● F020HTJH030
● F020HTJH033

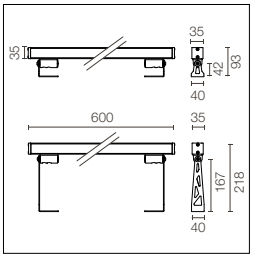
Photometric data on request.

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

Outgraze 35 Easy L 600





IP 66 | 1,65 Kg | LED INCL | IK 07

Alimentazione elettrica remota 24V e staffe di installazione da ordinare separatamente. Apparecchi dimmerabili PWM. Vetro sabbiato.

24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

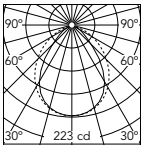
Mid-power Led: 9W - 909 lm ≠ FIXT 381 lm - 2700K/CRI 80 - 24V / 9W - 988 lm ≠ FIXT 414 lm - 3000K/CRI 80 - 24V / 9W - 1067 lm ≠ FIXT 447 lm - 4000K/CRI 80 - 24V

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2700K	3000K	4000K
○ F020G2KH001	○ F020G3KH001	○ F020G4KH001
● F020G2KH006	● F020G3KH006	● F020G4KH006
● F020G2KH012	● F020G3KH012	● F020G4KH012
● F020G2KH018	● F020G3KH018	● F020G4KH018
● F020G2KH030	● F020G3KH030	● F020G4KH030
● F020G2KH033	● F020G3KH033	● F020G4KH033



DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	223	1.62
2	56	3.23
3	25	4.85
4	14	6.46
5	9	8.08

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2700K	3000K	4000K
○ F020H2KH001	○ F020H3KH001	○ F020H4KH001
● F020H2KH006	● F020H3KH006	● F020H4KH006
● F020H2KH012	● F020H3KH012	● F020H4KH012
● F020H2KH018	● F020H3KH018	● F020H4KH018
● F020H2KH030	● F020H3KH030	● F020H4KH030
● F020H2KH033	● F020H3KH033	● F020H4KH033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2700K	3000K	4000K
○ F020J2KH001	○ F020J3KH001	○ F020J4KH001
● F020J2KH006	● F020J3KH006	● F020J4KH006
● F020J2KH012	● F020J3KH012	● F020J4KH012
● F020J2KH018	● F020J3KH018	● F020J4KH018
● F020J2KH030	● F020J3KH030	● F020J4KH030
● F020J2KH033	● F020J3KH033	● F020J4KH033

Outgraze 35 Easy L 600 - Tunable White 2700K÷5700K

Mid-power Led: 9W - 454÷573 lm ≠ FIXT 190÷240 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]Tunable White Standard - Schema elettrico n.4 page 623 / Wiring diagram n.4 page 623



DIFFUSED

2700K÷5700K
○ F020GTKH001
● F020GTKH006
● F020GTKH012
● F020GTKH018
● F020GTKH030
● F020GTKH033

[2]Tunable White Quick Install I H_2O Stop Fast Connect - Schema elettrico n.5 page 623 / Wiring diagram n.5 page 623

2700K÷5700K
○ F020HTKH001
● F020HTKH006
● F020HTKH012
● F020HTKH018
● F020HTKH030
● F020HTKH033

[3]Tunable White Continous Line I/O H_2O Stop Fast Connect - Schema elettrico n.6 page 623 / Wiring diagram n.6 page 623

2700K÷5700K
○ F020JTKH001
● F020JTKH006
● F020JTKH012
● F020JTKH018
● F020JTKH030
● F020JTKH033

Photometric data on request.

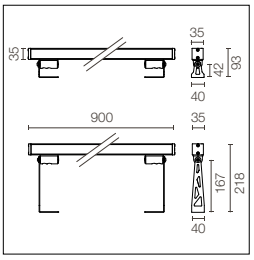
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

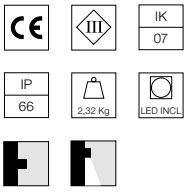
[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 35 Easy L 900







Alimentazione elettrica remota 24V e staffe di installazione da ordinare separatamente. Apparecchi dimmerabili PWM. Vetro sabbiato.

24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

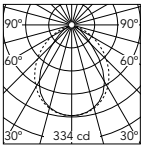
Mid-power Led: 13W - 1363 lm ≠ FIXT 571 lm - 2700K/CRI 80 - 24V / 13W - 1481 lm ≠ FIXT 621 lm - 3000K/CRI 80 - 24V / 13W - 1600 lm ≠ FIXT 670 lm - 4000K/CRI 80 - 24V

[1]Standard - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2700K	3000K	4000K
○ F020G2LH001	○ F020G3LH001	○ F020G4LH001
● F020G2LH006	● F020G3LH006	● F020G4LH006
● F020G2LH012	● F020G3LH012	● F020G4LH012
● F020G2LH018	● F020G3LH018	● F020G4LH018
● F020G2LH030	● F020G3LH030	● F020G4LH030
● F020G2LH033	● F020G3LH033	● F020G4LH033



DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	334	1.62
2	83	3.23
3	37	4.85
4	21	6.46
5	13	8.08

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2700K	3000K	4000K
○ F020H2LH001	○ F020H3LH001	○ F020H4LH001
● F020H2LH006	● F020H3LH006	● F020H4LH006
● F020H2LH012	● F020H3LH012	● F020H4LH012
● F020H2LH018	● F020H3LH018	● F020H4LH018
● F020H2LH030	● F020H3LH030	● F020H4LH030
● F020H2LH033	● F020H3LH033	● F020H4LH033

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2700K	3000K	4000K
○ F020J2LH001	○ F020J3LH001	○ F020J4LH001
● F020J2LH006	● F020J3LH006	● F020J4LH006
● F020J2LH012	● F020J3LH012	● F020J4LH012
● F020J2LH018	● F020J3LH018	● F020J4LH018
● F020J2LH030	● F020J3LH030	● F020J4LH030
● F020J2LH033	● F020J3LH033	● F020J4LH033

Outgraze 35 Easy L 900 - Tunable White 2700K÷5700K

Mid-power Led: 13W - 681÷859 lm ≠ FIXT 285÷360 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]Tunable White Standard - Schema elettrico n.4 page 623 / Wiring diagram n.4 page 623



DIFFUSED

2700K÷5700K
○ F020GTLH001
● F020GTLH006
● F020GTLH012
● F020GTLH018
● F020GTLH030
● F020GTLH033

[2]Tunable White Quick Install I H_2O Stop Fast Connect - Schema elettrico n.5 page 623 / Wiring diagram n.5 page 623

2700K÷5700K
○ F020HTLH001
● F020HTLH006
● F020HTLH012
● F020HTLH018
● F020HTLH030
● F020HTLH033

[3]Tunable White Continous Line I/O H_2O Stop Fast Connect - Schema elettrico n.6 page 623 / Wiring diagram n.6 page 623

2700K÷5700K
○ F020JTLH001
● F020JTLH006
● F020JTLH012
● F020JTLH018
● F020JTLH030
● F020JTLH033

Photometric data on request.

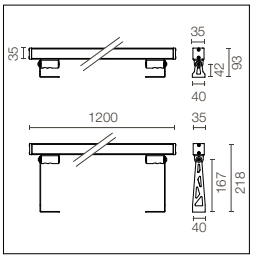
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 35 Easy L 1200





IP 66 · 2,90 Kg · IK 07 · LED INCL

Alimentazione elettrica remota 24V e staffe di installazione da ordinare separatamente. Apparecchi dimmerabili PWM. Vetro sabbiato.

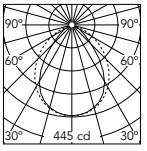
24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

Mid-power Led: 17,5W -1817 lm ≠ FIXT 761 lm - 2700K/CRI 80 - 24V / 17,5W - 1975 lm ≠ FIXT 827 lm - 3000K/CRI 80 - 24V / 17,5W - 2133 lm ≠ FIXT 894 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Schema elettrico n.1 page 622 / Wiring diagram n.1 page 622

2700K	3000K	4000K
F020G2MH001	F020G3MH001	F020G4MH001
F020G2MH006	F020G3MH006	F020G4MH006
F020G2MH012	F020G3MH012	F020G4MH012
F020G2MH018	F020G3MH018	F020G4MH018
F020G2MH030	F020G3MH030	F020G4MH030
F020G2MH033	F020G3MH033	F020G4MH033

90°
DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	445	1.62
2	111	3.23
3	49	4.85
4	28	6.46
5	18	8.08

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.2 page 622 / Wiring diagram n.2 page 622

2700K	3000K	4000K
F020H2MH001	F020H3MH001	F020H4MH001
F020H2MH006	F020H3MH006	F020H4MH006
F020H2MH012	F020H3MH012	F020H4MH012
F020H2MH018	F020H3MH018	F020H4MH018
F020H2MH030	F020H3MH030	F020H4MH030
F020H2MH033	F020H3MH033	F020H4MH033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.3 page 622 / Wiring diagram n.3 page 622

2700K	3000K	4000K
F020J2MH001	F020J3MH001	F020J4MH001
F020J2MH006	F020J3MH006	F020J4MH006
F020J2MH012	F020J3MH012	F020J4MH012
F020J2MH018	F020J3MH018	F020J4MH018
F020J2MH030	F020J3MH030	F020J4MH030
F020J2MH033	F020J3MH033	F020J4MH033

Outgraze 35 Easy L 1200 - Tunable White 2700K÷5700K

Mid-power Led: 17,5W - 909÷1146 lm ≠ FIXT 381÷480 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Schema elettrico n.4 page 623 / Wiring diagram n.4 page 623

2700K÷5700K
F020GTMH001
F020GTMH006
F020GTMH012
F020GTMH018
F020GTMH030
F020GTMH033

90°
DIFFUSED

[2]**Tunable White Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.5 page 623 / Wiring diagram n.5 page 623

2700K÷5700K
F020HTMH001
F020HTMH006
F020HTMH012
F020HTMH018
F020HTMH030
F020HTMH033

[3]**Tunable White Continous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.6 page 623 / Wiring diagram n.6 page 623

2700K÷5700K
F020JTMH001
F020JTMH006
F020JTMH012
F020JTMH018
F020JTMH030
F020JTMH033

Photometric data on request.

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 35

Accessori per tutti le versioni / Accessories for all versions

Coppia staffe corte L 80mm.	One pair of short brackets L 80 mm.	○ F1203001 ● F1203006 ● F1203012 ● F1203018 ● F1203030 ● F1203033	
Coppia staffe lunghe L 200mm.	One pair of long brackets L 200 mm.	○ F1204001 ● F1204006 ● F1204012 ● F1204018 ● F1204030 ● F1204033	
Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C00A000	 
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000	

Outgraze 35

Accessori per versioni Quick Install I H_2O Stop e Continuous Line I/O H_2O Stop / Accessories for Quick Install I H_2O Stop and Continuous Line I/O H_2O Stop versions

Connettore 4 poli plug&play.	Plug&play connector 4 poles.	F021Z010000	
Doppio connettore 4 poli plug&play + cavo L 600 mm.	Double plug&play connector 4 poles + cable 600 mm lenght.	F021Z090000	
Connettore 4 poli plug&play + cavo L 5000 mm.	Plug&play connector 4 poles + cable 5000 mm lenght.	F021Z100000	
Tappo per connettore a pannello (sul prodotto) 4-5 poli.	Cap for panel (on the fixtures) plug connector 4-5 poles.	F021Z070000	

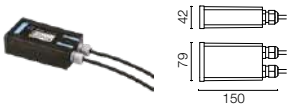
Outgraze 35

Interfaccia PWM (Dimmerabilita') per versione 48V / PWM interface (Dimming) for 48V version Alimentatore per interfaccia 48V/240V non incluso, da ordinare / Power supply 48V/240V for interface not included, to be ordered (cod.RF25753 or cod.RF25746)

Interfaccia di controllo 48V PWM - Dali IP20 Class III. Vin 48Vdc 120W. (Alimentatore non incluso).	Control linterface 48V PWM - Dali IP20 Class III. Vin 48Vdc 120W. (Power supply not included).	F990B08A000	
Interfaccia di controllo 48V PWM - 1-10V IP20 Class III. Vin 48Vdc 120W. (Alimentatore non incluso).	Control linterface 48V PWM - 1-10V IP20 Class III. Vin 48Vdc 120W. (Power supply not included).	F990B15A000	

Outgraze 35

Alimentatore per versione 48V / Power supply for 48V version

Alimentatore 48V 60W / 110-240V IP67 Classe II selv eq.	Power supply 48V 60W / 110-240V IP67 Class II selv eq.	RF25753	
Alimentatore 48V 240W / 110-240V singolo output DIN RAIL.	Power supply 48V 240W / 110-240V single output DIN RAIL.	RF25746	

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.		L 300	L 600	L 900	L 1200
		Acc. RF25753	8	4	2	2
		Acc. RF25746	32	16	10	8

Outgraze 35

Interfaccia PWM (Dimmerabilita') per versione 24V / PWM interface (Dimming) for 24V version
Alimentatore per interfaccia 24V/240V non incluso, da ordinare / Power supply 24V/240V for interface not included, to be ordered (cod.F990B28A000, cod.F990B27A000 or cod.F990B29A000)

Interfaccia di controllo 24V PWM - Dali IP20 Class III. Vin 24Vdc 120W. (Alimentatore non incluso).	Control linterface 24V PWM - Dali IP20 Class III. Vin 24Vdc 120W. (Power supply not included).	F990B07A000	
Interfaccia di controllo 24V PWM - 1-10V IP20 Class III. Vin 24Vdc 120W. (Alimentatore non incluso).	Control linterface 24V PWM - 1-10V IP20 Class III. Vin 24Vdc 120W. (Power supply not included).	F990B14A000	

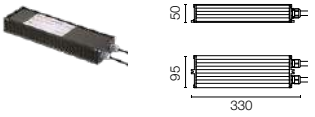
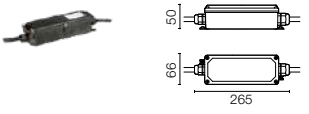
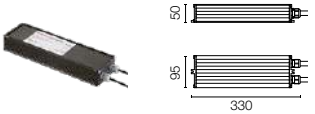
Outgraze 35

Interfaccia PWM per versione 24V Tunable White / PWM interface for 24V Tunable White version
Alimentatore per interfaccia 24V/240V non incluso, da ordinare / Power supply 24V/240V for interface not included, to be ordered (cod.F990B28A000, cod.F990B27A000 or cod.F990B29A000)

Interfaccia di controllo 24V PWM 2CH - Dali IP20 Class III. Vin 24Vdc 90W. (Alimentatore non incluso).	Control linterface 24V PWM 2CH - Dali IP20 Class III. Vin 24Vdc 90W. (Power supply not included).	F990B09A000	

Outgraze 35

Alimentatore per versione 24V / Power supply for 24V version

Alimentatore per installazione remota 24V DC 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 50W / 120-240V IP67 Class II selv.	*F990B28A000	
Alimentatore per installazione remota 24V DC 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 70W / 220-240V IP67 Class II selv.	*F990B27A000	
Alimentatore per installazione remota 24V DC 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 96W / 120-240V IP67 Class II selv.	*F990B29A000	

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

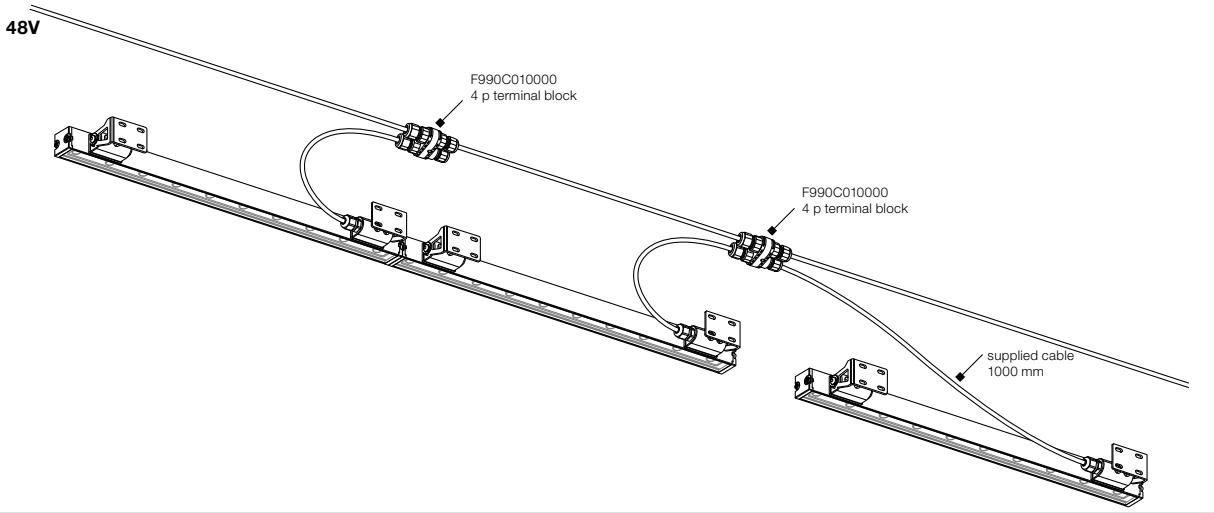
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.		L 300	L 600	L 900	L 1200
		Acc. F990B28A000	6	3	2	2
		Acc. F990B27A000	8	5	3	3
		Acc. F990B29A000	12	6	4	3

Outgraze 35

48V versions

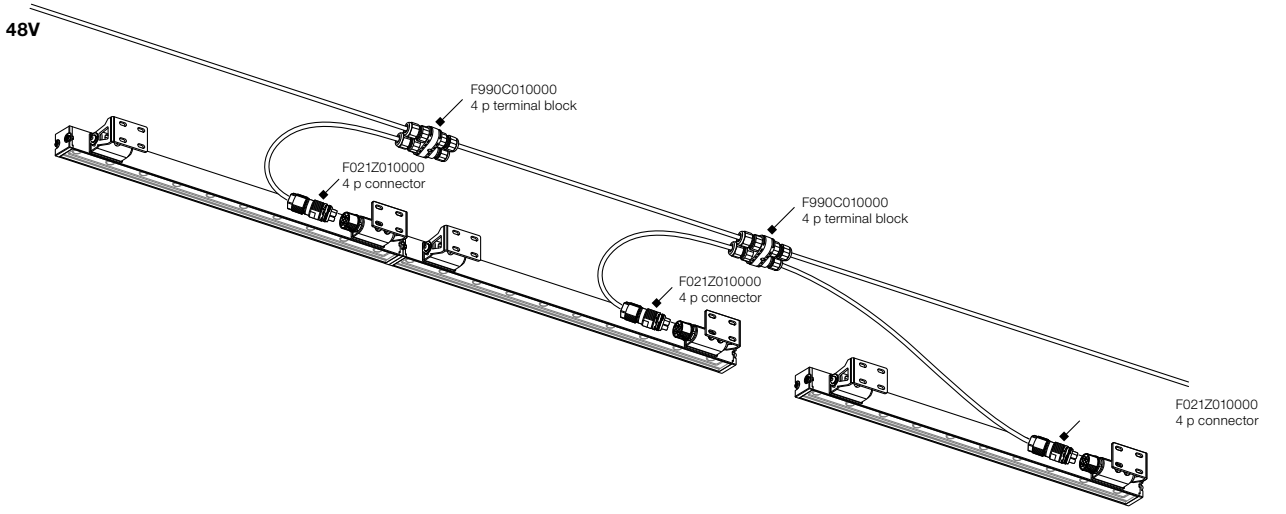
Schema elettrico n.1 / Wiring diagram n.1

Standard: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered)



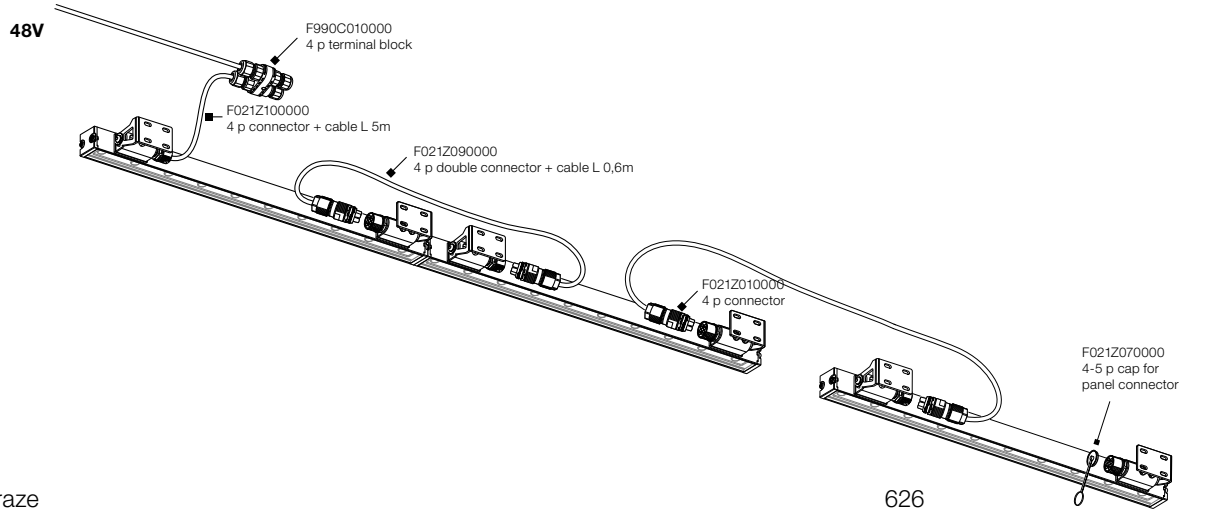
Schema elettrico n.2 / Wiring diagram n.2

Quick Install I H_2O Stop Fast Connect: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately)



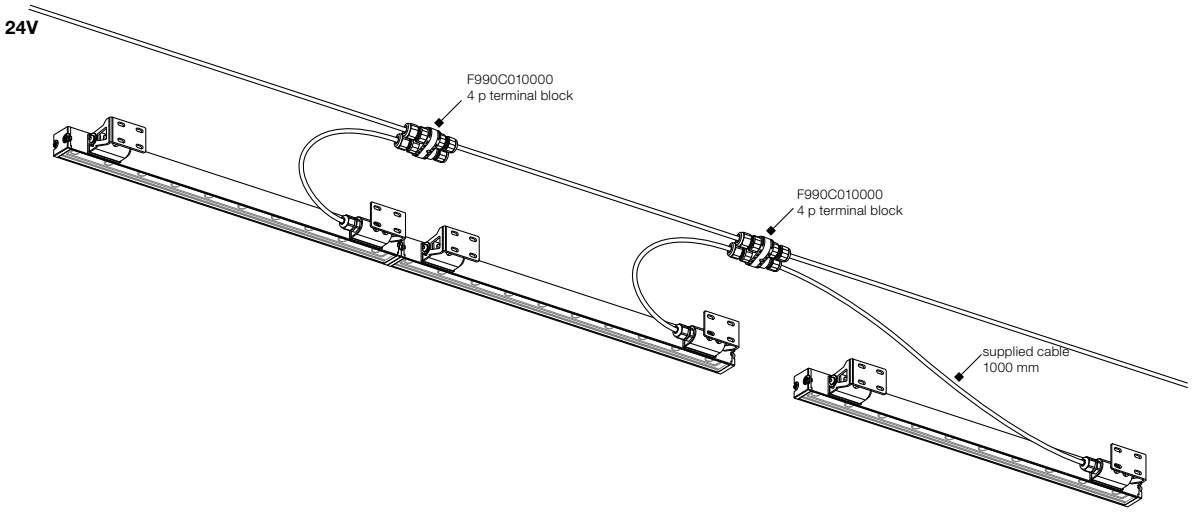
Schema elettrico n.3 / Wiring diagram n.3

Continous Line I/O H_2O Stop Fast Connect: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately)



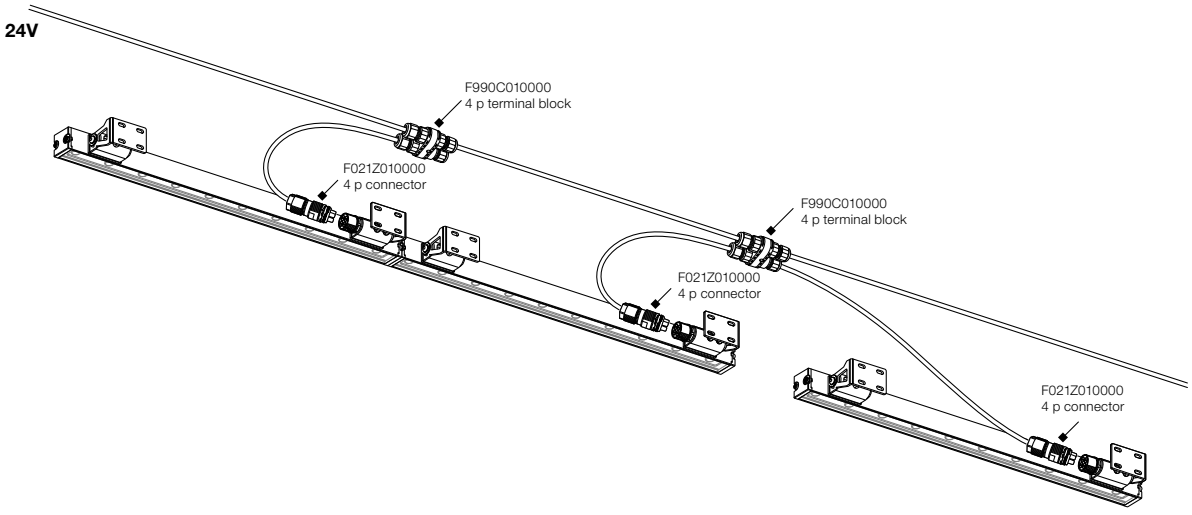
Schema elettrico n.4 / Wiring diagram n.4

Standard: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered)



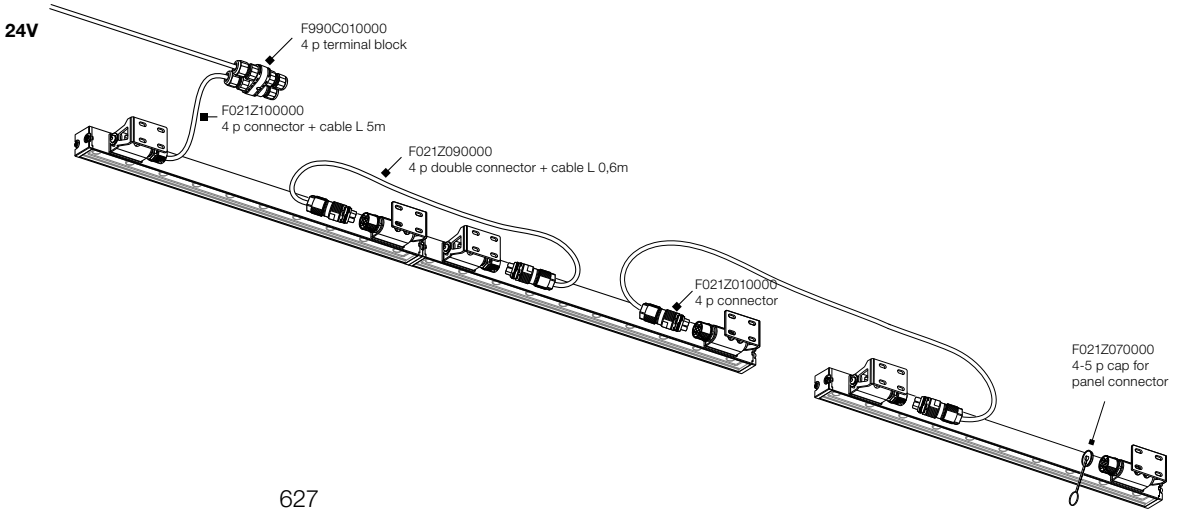
Schema elettrico n.5 / Wiring diagram n.5

Quick Install I H_2O Stop Fast Connect: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately)



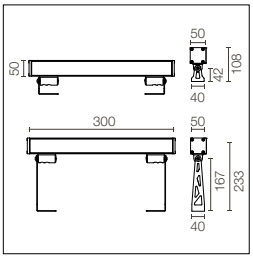
Schema elettrico n.6 / Wiring diagram n.6

Continous Line I/O H_2O Stop Fast Connect: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately)



Outgraze 50 L 300 - Non Dimmable





IP 66 · IK 07 · 2,55 Kg · LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART (potenza 6W - flusso -30% lm).

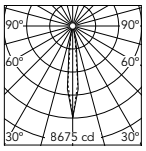
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 6W-flux-30% lm).

Power Led: 8W - 835 lm ≠ *FIXT 685 lm - 2700K/CRI 80 - 220-240V / 8W - 864 lm ≠ *FIXT 709 lm - 3000K/CRI 80 - 220-240V / 8W - 894 lm ≠ *FIXT 734 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A11A001	○ F021A21A001	○ F021A31A001	○ F021A41A001
● F021A11A006	● F021A21A006	● F021A31A006	● F021A41A006
● F021A11A012	● F021A21A012	● F021A31A012	● F021A41A012
● F021A11A018	● F021A21A018	● F021A31A018	● F021A41A018
● F021A11A030	● F021A21A030	● F021A31A030	● F021A41A030
● F021A11A033	● F021A21A033	● F021A31A033	● F021A41A033

13° SPOT



@4000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	8675	0.25
2	2169	0.49
3	964	0.74
4	542	0.98
5	347	1.23

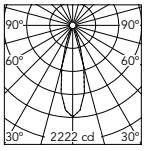
[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B11A001	○ F021B21A001	○ F021B31A001	○ F021B41A001
● F021B11A006	● F021B21A006	● F021B31A006	● F021B41A006
● F021B11A012	● F021B21A012	● F021B31A012	● F021B41A012
● F021B11A018	● F021B21A018	● F021B31A018	● F021B41A018
● F021B11A030	● F021B21A030	● F021B31A030	● F021B41A030
● F021B11A033	● F021B21A033	● F021B31A033	● F021B41A033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A15A001	○ F021A25A001	○ F021A35A001	○ F021A45A001
● F021A15A006	● F021A25A006	● F021A35A006	● F021A45A006
● F021A15A012	● F021A25A012	● F021A35A012	● F021A45A012
● F021A15A018	● F021A25A018	● F021A35A018	● F021A45A018
● F021A15A030	● F021A25A030	● F021A35A030	● F021A45A030
● F021A15A033	● F021A25A033	● F021A35A033	● F021A45A033

29° MEDIUM



@4000K

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	2222	0.52
2	555	1.04
3	247	1.56
4	139	2.08
5	89	2.60

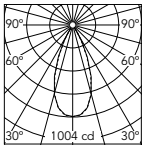
[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B15A001	○ F021B25A001	○ F021B35A001	○ F021B45A001
● F021B15A006	● F021B25A006	● F021B35A006	● F021B45A006
● F021B15A012	● F021B25A012	● F021B35A012	● F021B45A012
● F021B15A018	● F021B25A018	● F021B35A018	● F021B45A018
● F021B15A030	● F021B25A030	● F021B35A030	● F021B45A030
● F021B15A033	● F021B25A033	● F021B35A033	● F021B45A033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1AA001	○ F021A2AA001	○ F021A3AA001	○ F021A4AA001
● F021A1AA006	● F021A2AA006	● F021A3AA006	● F021A4AA006
● F021A1AA012	● F021A2AA012	● F021A3AA012	● F021A4AA012
● F021A1AA018	● F021A2AA018	● F021A3AA018	● F021A4AA018
● F021A1AA030	● F021A2AA030	● F021A3AA030	● F021A4AA030
● F021A1AA033	● F021A2AA033	● F021A3AA033	● F021A4AA033

44° FLOOD



@4000K

Beam Angle:	44°	
h(m)	E(lx)	D(m)
1	1004	0.81
2	251	1.63
3	112	2.44
4	63	3.26
5	40	4.07

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B1AA001	○ F021B2AA001	○ F021B3AA001	○ F021B4AA001
● F021B1AA006	● F021B2AA006	● F021B3AA006	● F021B4AA006
● F021B1AA012	● F021B2AA012	● F021B3AA012	● F021B4AA012
● F021B1AA018	● F021B2AA018	● F021B3AA018	● F021B4AA018
● F021B1AA030	● F021B2AA030	● F021B3AA030	● F021B4AA030
● F021B1AA033	● F021B2AA033	● F021B3AA033	● F021B4AA033

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

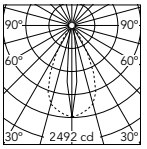
[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1EA001	○ F021A2EA001	○ F021A3EA001	○ F021A4EA001
● F021A1EA006	● F021A2EA006	● F021A3EA006	● F021A4EA006
● F021A1EA012	● F021A2EA012	● F021A3EA012	● F021A4EA012
● F021A1EA018	● F021A2EA018	● F021A3EA018	● F021A4EA018
● F021A1EA030	● F021A2EA030	● F021A3EA030	● F021A4EA030
● F021A1EA033	● F021A2EA033	● F021A3EA033	● F021A4EA033



ELLIPTICAL



@4000K

Beam Angle:		53°
h(m)	E(lx)	D(m)
1	2492	0.22
2	623	0.44
3	277	0.66
4	156	0.88
5	100	1.10

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

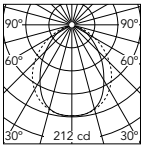
2200K	2700K	3000K	4000K
○ F021B1EA001	○ F021B2EA001	○ F021B3EA001	○ F021B4EA001
● F021B1EA006	● F021B2EA006	● F021B3EA006	● F021B4EA006
● F021B1EA012	● F021B2EA012	● F021B3EA012	● F021B4EA012
● F021B1EA018	● F021B2EA018	● F021B3EA018	● F021B4EA018
● F021B1EA030	● F021B2EA030	● F021B3EA030	● F021B4EA030
● F021B1EA033	● F021B2EA033	● F021B3EA033	● F021B4EA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1JA001	○ F021A2JA001	○ F021A3JA001	○ F021A4JA001
● F021A1JA006	● F021A2JA006	● F021A3JA006	● F021A4JA006
● F021A1JA012	● F021A2JA012	● F021A3JA012	● F021A4JA012
● F021A1JA018	● F021A2JA018	● F021A3JA018	● F021A4JA018
● F021A1JA030	● F021A2JA030	● F021A3JA030	● F021A4JA030
● F021A1JA033	● F021A2JA033	● F021A3JA033	● F021A4JA033



DIFFUSED



@4000K

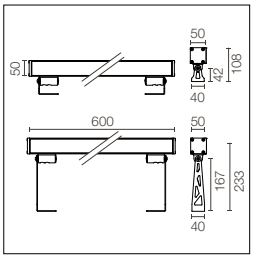
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	212	1.74
2	53	3.49
3	24	5.23
4	13	6.98
5	8	8.72

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B1JA001	○ F021B2JA001	○ F021B3JA001	○ F021B4JA001
● F021B1JA006	● F021B2JA006	● F021B3JA006	● F021B4JA006
● F021B1JA012	● F021B2JA012	● F021B3JA012	● F021B4JA012
● F021B1JA018	● F021B2JA018	● F021B3JA018	● F021B4JA018
● F021B1JA030	● F021B2JA030	● F021B3JA030	● F021B4JA030
● F021B1JA033	● F021B2JA033	● F021B3JA033	● F021B4JA033

Outgraze 50 L 600 - Non Dimmable





IP 66 · IK 07 · 2,55 Kg · LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART (potenza 10,5W - flusso -30% lm).

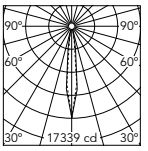
Integrated 220/240V power supply. Installation brackets, to be ordered separately.
Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass.
SMART version available upon request (power 10,5W - flux -30% lm).

Power Led: 14,5W - 1669 lm ≠ *FIXT 1369 lm - 2700K/CRI 80 - 220-240V /14,5W - 1729 lm ≠ *FIXT 1418 lm - 3000K/CRI 80 - 220-240V / 14,5W - 1788 lm ≠ *FIXT 1467 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A12A001	○ F021A22A001	○ F021A32A001	○ F021A42A001
● F021A12A006	● F021A22A006	● F021A32A006	● F021A42A006
● F021A12A012	● F021A22A012	● F021A32A012	● F021A42A012
● F021A12A018	● F021A22A018	● F021A32A018	● F021A42A018
● F021A12A030	● F021A22A030	● F021A32A030	● F021A42A030
● F021A12A033	● F021A22A033	● F021A32A033	● F021A42A033

13° SPOT



@4000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	17339	0.25
2	4335	0.49
3	1927	0.74
4	1084	0.98
5	694	1.23

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B12A001	○ F021B22A001	○ F021B32A001	○ F021B42A001
● F021B12A006	● F021B22A006	● F021B32A006	● F021B42A006
● F021B12A012	● F021B22A012	● F021B32A012	● F021B42A012
● F021B12A018	● F021B22A018	● F021B32A018	● F021B42A018
● F021B12A030	● F021B22A030	● F021B32A030	● F021B42A030
● F021B12A033	● F021B22A033	● F021B32A033	● F021B42A033

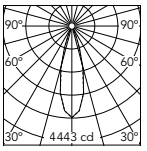
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C12A001	○ F021C22A001	○ F021C32A001	○ F021C42A001
● F021C12A006	● F021C22A006	● F021C32A006	● F021C42A006
● F021C12A012	● F021C22A012	● F021C32A012	● F021C42A012
● F021C12A018	● F021C22A018	● F021C32A018	● F021C42A018
● F021C12A030	● F021C22A030	● F021C32A030	● F021C42A030
● F021C12A033	● F021C22A033	● F021C32A033	● F021C42A033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A16A001	○ F021A26A001	○ F021A36A001	○ F021A46A001
● F021A16A006	● F021A26A006	● F021A36A006	● F021A46A006
● F021A16A012	● F021A26A012	● F021A36A012	● F021A46A012
● F021A16A018	● F021A26A018	● F021A36A018	● F021A46A018
● F021A16A030	● F021A26A030	● F021A36A030	● F021A46A030
● F021A16A033	● F021A26A033	● F021A36A033	● F021A46A033

29° MEDIUM



@4000K

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	4443	0.52
2	1111	1.04
3	494	1.56
4	278	2.08
5	178	2.60

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B16A001	○ F021B26A001	○ F021B36A001	○ F021B46A001
● F021B16A006	● F021B26A006	● F021B36A006	● F021B46A006
● F021B16A012	● F021B26A012	● F021B36A012	● F021B46A012
● F021B16A018	● F021B26A018	● F021B36A018	● F021B46A018
● F021B16A030	● F021B26A030	● F021B36A030	● F021B46A030
● F021B16A033	● F021B26A033	● F021B36A033	● F021B46A033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C16A001	○ F021C26A001	○ F021C36A001	○ F021C46A001
● F021C16A006	● F021C26A006	● F021C36A006	● F021C46A006
● F021C16A012	● F021C26A012	● F021C36A012	● F021C46A012
● F021C16A018	● F021C26A018	● F021C36A018	● F021C46A018
● F021C16A030	● F021C26A030	● F021C36A030	● F021C46A030
● F021C16A033	● F021C26A033	● F021C36A033	● F021C46A033

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

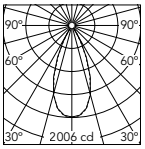
[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1BA001	○ F021A2BA001	○ F021A3BA001	○ F021A4BA001
● F021A1BA006	● F021A2BA006	● F021A3BA006	● F021A4BA006
● F021A1BA012	● F021A2BA012	● F021A3BA012	● F021A4BA012
● F021A1BA018	● F021A2BA018	● F021A3BA018	● F021A4BA018
● F021A1BA030	● F021A2BA030	● F021A3BA030	● F021A4BA030
● F021A1BA033	● F021A2BA033	● F021A3BA033	● F021A4BA033



FLOOD



Beam Angle:		44°
h(m)	E(lx)	D(m)
1	2006	0.81
2	501	1.63
3	223	2.44
4	125	3.26
5	80	4.07

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B1BA001	○ F021B2BA001	○ F021B3BA001	○ F021B4BA001
● F021B1BA006	● F021B2BA006	● F021B3BA006	● F021B4BA006
● F021B1BA012	● F021B2BA012	● F021B3BA012	● F021B4BA012
● F021B1BA018	● F021B2BA018	● F021B3BA018	● F021B4BA018
● F021B1BA030	● F021B2BA030	● F021B3BA030	● F021B4BA030
● F021B1BA033	● F021B2BA033	● F021B3BA033	● F021B4BA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

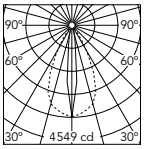
2200K	2700K	3000K	4000K
○ F021C1BA001	○ F021C2BA001	○ F021C3BA001	○ F021C4BA001
● F021C1BA006	● F021C2BA006	● F021C3BA006	● F021C4BA006
● F021C1BA012	● F021C2BA012	● F021C3BA012	● F021C4BA012
● F021C1BA018	● F021C2BA018	● F021C3BA018	● F021C4BA018
● F021C1BA030	● F021C2BA030	● F021C3BA030	● F021C4BA030
● F021C1BA033	● F021C2BA033	● F021C3BA033	● F021C4BA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1FA001	○ F021A2FA001	○ F021A3FA001	○ F021A4FA001
● F021A1FA006	● F021A2FA006	● F021A3FA006	● F021A4FA006
● F021A1FA012	● F021A2FA012	● F021A3FA012	● F021A4FA012
● F021A1FA018	● F021A2FA018	● F021A3FA018	● F021A4FA018
● F021A1FA030	● F021A2FA030	● F021A3FA030	● F021A4FA030
● F021A1FA033	● F021A2FA033	● F021A3FA033	● F021A4FA033



ELLIPTICAL



Beam Angle:		53°
h(m)	E(lx)	D(m)
1	4549	0.22
2	1137	0.44
3	505	0.66
4	284	0.88
5	182	1.10

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B1FA001	○ F021B2FA001	○ F021B3FA001	○ F021B4FA001
● F021B1FA006	● F021B2FA006	● F021B3FA006	● F021B4FA006
● F021B1FA012	● F021B2FA012	● F021B3FA012	● F021B4FA012
● F021B1FA018	● F021B2FA018	● F021B3FA018	● F021B4FA018
● F021B1FA030	● F021B2FA030	● F021B3FA030	● F021B4FA030
● F021B1FA033	● F021B2FA033	● F021B3FA033	● F021B4FA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

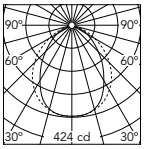
2200K	2700K	3000K	4000K
○ F021C1FA001	○ F021C2FA001	○ F021C3FA001	○ F021C4FA001
● F021C1FA006	● F021C2FA006	● F021C3FA006	● F021C4FA006
● F021C1FA012	● F021C2FA012	● F021C3FA012	● F021C4FA012
● F021C1FA018	● F021C2FA018	● F021C3FA018	● F021C4FA018
● F021C1FA030	● F021C2FA030	● F021C3FA030	● F021C4FA030
● F021C1FA033	● F021C2FA033	● F021C3FA033	● F021C4FA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1KA001	○ F021A2KA001	○ F021A3KA001	○ F021A4KA001
● F021A1KA006	● F021A2KA006	● F021A3KA006	● F021A4KA006
● F021A1KA012	● F021A2KA012	● F021A3KA012	● F021A4KA012
● F021A1KA018	● F021A2KA018	● F021A3KA018	● F021A4KA018
● F021A1KA030	● F021A2KA030	● F021A3KA030	● F021A4KA030
● F021A1KA033	● F021A2KA033	● F021A3KA033	● F021A4KA033



DIFFUSED



Beam Angle:		90°
h(m)	E(lx)	D(m)
1	424	1.74
2	106	3.49
3	47	5.23
4	26	6.98
5	17	8.72

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

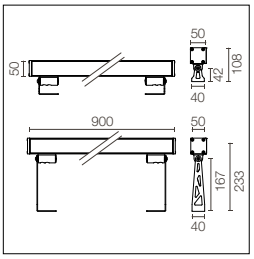
2200K	2700K	3000K	4000K
○ F021B1KA001	○ F021B2KA001	○ F021B3KA001	○ F021B4KA001
● F021B1KA006	● F021B2KA006	● F021B3KA006	● F021B4KA006
● F021B1KA012	● F021B2KA012	● F021B3KA012	● F021B4KA012
● F021B1KA018	● F021B2KA018	● F021B3KA018	● F021B4KA018
● F021B1KA030	● F021B2KA030	● F021B3KA030	● F021B4KA030
● F021B1KA033	● F021B2KA033	● F021B3KA033	● F021B4KA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1KA001	○ F021C2KA001	○ F021C3KA001	○ F021C4KA001
● F021C1KA006	● F021C2KA006	● F021C3KA006	● F021C4KA006
● F021C1KA012	● F021C2KA012	● F021C3KA012	● F021C4KA012
● F021C1KA018	● F021C2KA018	● F021C3KA018	● F021C4KA018
● F021C1KA030	● F021C2KA030	● F021C3KA030	● F021C4KA030
● F021C1KA033	● F021C2KA033	● F021C3KA033	● F021C4KA033

Outgraze 50 L 900 - Non Dimmable





IK 07 | IP 66 | 3,30 Kg | LED INCL.

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART (potenza 15,5W - flusso -30% lm).

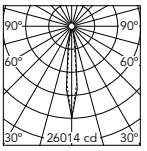
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 15,5W - flux -30% lm).

Power Led: 20W - 2504 lm ≠ *FIXT 2054 lm - 2700K/CRI 80 - 220-240V / 20W - 2593 lm ≠ *FIXT 2127 lm - 3000K/CRI 80 - 220-240V / 20W - 2683 lm ≠ *FIXT 2201 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A13A001	○ F021A23A001	○ F021A33A001	○ F021A43A001
● F021A13A006	● F021A23A006	● F021A33A006	● F021A43A006
● F021A13A012	● F021A23A012	● F021A33A012	● F021A43A012
● F021A13A018	● F021A23A018	● F021A33A018	● F021A43A018
● F021A13A030	● F021A23A030	● F021A33A030	● F021A43A030
● F021A13A033	● F021A23A033	● F021A33A033	● F021A43A033

13°
SPOT



@4000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	26014	0.25
2	6504	0.49
3	2890	0.74
4	1626	0.98
5	1041	1.23

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B13A001	○ F021B23A001	○ F021B33A001	○ F021B43A001
● F021B13A006	● F021B23A006	● F021B33A006	● F021B43A006
● F021B13A012	● F021B23A012	● F021B33A012	● F021B43A012
● F021B13A018	● F021B23A018	● F021B33A018	● F021B43A018
● F021B13A030	● F021B23A030	● F021B33A030	● F021B43A030
● F021B13A033	● F021B23A033	● F021B33A033	● F021B43A033

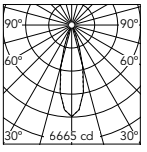
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C13A001	○ F021C23A001	○ F021C33A001	○ F021C43A001
● F021C13A006	● F021C23A006	● F021C33A006	● F021C43A006
● F021C13A012	● F021C23A012	● F021C33A012	● F021C43A012
● F021C13A018	● F021C23A018	● F021C33A018	● F021C43A018
● F021C13A030	● F021C23A030	● F021C33A030	● F021C43A030
● F021C13A033	● F021C23A033	● F021C33A033	● F021C43A033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A17A001	○ F021A27A001	○ F021A37A001	○ F021A47A001
● F021A17A006	● F021A27A006	● F021A37A006	● F021A47A006
● F021A17A012	● F021A27A012	● F021A37A012	● F021A47A012
● F021A17A018	● F021A27A018	● F021A37A018	● F021A47A018
● F021A17A030	● F021A27A030	● F021A37A030	● F021A47A030
● F021A17A033	● F021A27A033	● F021A37A033	● F021A47A033

29°
MEDIUM



@4000K

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	6665	0.52
2	1666	1.04
3	741	1.56
4	417	2.08
5	267	2.60

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B17A001	○ F021B27A001	○ F021B37A001	○ F021B47A001
● F021B17A006	● F021B27A006	● F021B37A006	● F021B47A006
● F021B17A012	● F021B27A012	● F021B37A012	● F021B47A012
● F021B17A018	● F021B27A018	● F021B37A018	● F021B47A018
● F021B17A030	● F021B27A030	● F021B37A030	● F021B47A030
● F021B17A033	● F021B27A033	● F021B37A033	● F021B47A033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C17A001	○ F021C27A001	○ F021C37A001	○ F021C47A001
● F021C17A006	● F021C27A006	● F021C37A006	● F021C47A006
● F021C17A012	● F021C27A012	● F021C37A012	● F021C47A012
● F021C17A018	● F021C27A018	● F021C37A018	● F021C47A018
● F021C17A030	● F021C27A030	● F021C37A030	● F021C47A030
● F021C17A033	● F021C27A033	● F021C37A033	● F021C47A033

[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

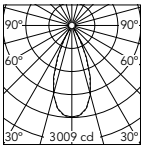
[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1CA001	○ F021A2CA001	○ F021A3CA001	○ F021A4CA001
● F021A1CA006	● F021A2CA006	● F021A3CA006	● F021A4CA006
● F021A1CA012	● F021A2CA012	● F021A3CA012	● F021A4CA012
● F021A1CA018	● F021A2CA018	● F021A3CA018	● F021A4CA018
● F021A1CA030	● F021A2CA030	● F021A3CA030	● F021A4CA030
● F021A1CA033	● F021A2CA033	● F021A3CA033	● F021A4CA033





Beam Angle:		44°
h(m)	E(lx)	D(m)
1	3009	0.81
2	752	1.63
3	334	2.44
4	188	3.26
5	120	4.07

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

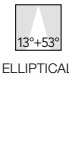
2200K	2700K	3000K	4000K
○ F021B1CA001	○ F021B2CA001	○ F021B3CA001	○ F021B4CA001
● F021B1CA006	● F021B2CA006	● F021B3CA006	● F021B4CA006
● F021B1CA012	● F021B2CA012	● F021B3CA012	● F021B4CA012
● F021B1CA018	● F021B2CA018	● F021B3CA018	● F021B4CA018
● F021B1CA030	● F021B2CA030	● F021B3CA030	● F021B4CA030
● F021B1CA033	● F021B2CA033	● F021B3CA033	● F021B4CA033

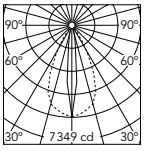
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1CA001	○ F021C2CA001	○ F021C3CA001	○ F021C4CA001
● F021C1CA006	● F021C2CA006	● F021C3CA006	● F021C4CA006
● F021C1CA012	● F021C2CA012	● F021C3CA012	● F021C4CA012
● F021C1CA018	● F021C2CA018	● F021C3CA018	● F021C4CA018
● F021C1CA030	● F021C2CA030	● F021C3CA030	● F021C4CA030
● F021C1CA033	● F021C2CA033	● F021C3CA033	● F021C4CA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1GA001	○ F021A2GA001	○ F021A3GA001	○ F021A4GA001
● F021A1GA006	● F021A2GA006	● F021A3GA006	● F021A4GA006
● F021A1GA012	● F021A2GA012	● F021A3GA012	● F021A4GA012
● F021A1GA018	● F021A2GA018	● F021A3GA018	● F021A4GA018
● F021A1GA030	● F021A2GA030	● F021A3GA030	● F021A4GA030
● F021A1GA033	● F021A2GA033	● F021A3GA033	● F021A4GA033





Beam Angle:		53°
h(m)	E(lx)	D(m)
1	7349	0.22
2	1837	0.44
3	817	0.66
4	459	0.88
5	294	1.10

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

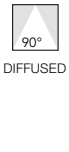
2200K	2700K	3000K	4000K
○ F021B1GA001	○ F021B2GA001	○ F021B3GA001	○ F021B4GA001
● F021B1GA006	● F021B2GA006	● F021B3GA006	● F021B4GA006
● F021B1GA012	● F021B2GA012	● F021B3GA012	● F021B4GA012
● F021B1GA018	● F021B2GA018	● F021B3GA018	● F021B4GA018
● F021B1GA030	● F021B2GA030	● F021B3GA030	● F021B4GA030
● F021B1GA033	● F021B2GA033	● F021B3GA033	● F021B4GA033

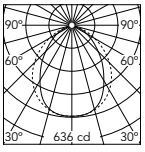
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1GA001	○ F021C2GA001	○ F021C3GA001	○ F021C4GA001
● F021C1GA006	● F021C2GA006	● F021C3GA006	● F021C4GA006
● F021C1GA012	● F021C2GA012	● F021C3GA012	● F021C4GA012
● F021C1GA018	● F021C2GA018	● F021C3GA018	● F021C4GA018
● F021C1GA030	● F021C2GA030	● F021C3GA030	● F021C4GA030
● F021C1GA033	● F021C2GA033	● F021C3GA033	● F021C4GA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1LA001	○ F021A2LA001	○ F021A3LA001	○ F021A4LA001
● F021A1LA006	● F021A2LA006	● F021A3LA006	● F021A4LA006
● F021A1LA012	● F021A2LA012	● F021A3LA012	● F021A4LA012
● F021A1LA018	● F021A2LA018	● F021A3LA018	● F021A4LA018
● F021A1LA030	● F021A2LA030	● F021A3LA030	● F021A4LA030
● F021A1LA033	● F021A2LA033	● F021A3LA033	● F021A4LA033





Beam Angle:		90°
h(m)	E(lx)	D(m)
1	636	1.74
2	159	3.49
3	71	5.23
4	40	6.98
5	25	8.72

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

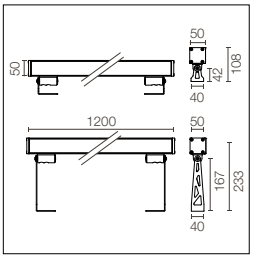
2200K	2700K	3000K	4000K
○ F021B1LA001	○ F021B2LA001	○ F021B3LA001	○ F021B4LA001
● F021B1LA006	● F021B2LA006	● F021B3LA006	● F021B4LA006
● F021B1LA012	● F021B2LA012	● F021B3LA012	● F021B4LA012
● F021B1LA018	● F021B2LA018	● F021B3LA018	● F021B4LA018
● F021B1LA030	● F021B2LA030	● F021B3LA030	● F021B4LA030
● F021B1LA033	● F021B2LA033	● F021B3LA033	● F021B4LA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1LA001	○ F021C2LA001	○ F021C3LA001	○ F021C4LA001
● F021C1LA006	● F021C2LA006	● F021C3LA006	● F021C4LA006
● F021C1LA012	● F021C2LA012	● F021C3LA012	● F021C4LA012
● F021C1LA018	● F021C2LA018	● F021C3LA018	● F021C4LA018
● F021C1LA030	● F021C2LA030	● F021C3LA030	● F021C4LA030
● F021C1LA033	● F021C2LA033	● F021C3LA033	● F021C4LA033

Outgraze 50 L 1200 - Non Dimmable





IP 66 · IK 07 · 4,31 Kg · LED INCL.

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato. A richiesta versione SMART (potenza 18,5W - flusso -30% lm).

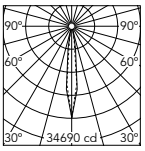
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 18,5W - flux -30% lm).

Power Led: 27W - 3338 lm ≠ *FIXT 2739 lm - 2700K/CRI 80 - 220-240V / 27W - 3458 lm ≠ *FIXT 2836 lm - 3000K/CRI 80 - 220-240V / 27W - 3577 lm ≠ *FIXT 2934 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A14A001	○ F021A24A001	○ F021A34A001	○ F021A44A001
● F021A14A006	● F021A24A006	● F021A34A006	● F021A44A006
● F021A14A012	● F021A24A012	● F021A34A012	● F021A44A012
● F021A14A018	● F021A24A018	● F021A34A018	● F021A44A018
● F021A14A030	● F021A24A030	● F021A34A030	● F021A44A030
● F021A14A033	● F021A24A033	● F021A34A033	● F021A44A033

13°
SPOT



@4000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	34690	0.25
2	8672	0.49
3	3854	0.74
4	2168	0.98
5	1388	1.23

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B14A001	○ F021B24A001	○ F021B34A001	○ F021B44A001
● F021B14A006	● F021B24A006	● F021B34A006	● F021B44A006
● F021B14A012	● F021B24A012	● F021B34A012	● F021B44A012
● F021B14A018	● F021B24A018	● F021B34A018	● F021B44A018
● F021B14A030	● F021B24A030	● F021B34A030	● F021B44A030
● F021B14A033	● F021B24A033	● F021B34A033	● F021B44A033

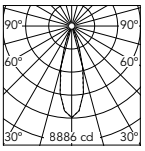
[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C14A001	○ F021C24A001	○ F021C34A001	○ F021C44A001
● F021C14A006	● F021C24A006	● F021C34A006	● F021C44A006
● F021C14A012	● F021C24A012	● F021C34A012	● F021C44A012
● F021C14A018	● F021C24A018	● F021C34A018	● F021C44A018
● F021C14A030	● F021C24A030	● F021C34A030	● F021C44A030
● F021C14A033	● F021C24A033	● F021C34A033	● F021C44A033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A18A001	○ F021A28A001	○ F021A38A001	○ F021A48A001
● F021A18A006	● F021A28A006	● F021A38A006	● F021A48A006
● F021A18A012	● F021A28A012	● F021A38A012	● F021A48A012
● F021A18A018	● F021A28A018	● F021A38A018	● F021A48A018
● F021A18A030	● F021A28A030	● F021A38A030	● F021A48A030
● F021A18A033	● F021A28A033	● F021A38A033	● F021A48A033

29°
MEDIUM



@4000K

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	8886	0.52
2	2222	1.04
3	987	1.56
4	555	2.08
5	355	2.60

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2200K	2700K	3000K	4000K
○ F021B18A001	○ F021B28A001	○ F021B38A001	○ F021B48A001
● F021B18A006	● F021B28A006	● F021B38A006	● F021B48A006
● F021B18A012	● F021B28A012	● F021B38A012	● F021B48A012
● F021B18A018	● F021B28A018	● F021B38A018	● F021B48A018
● F021B18A030	● F021B28A030	● F021B38A030	● F021B48A030
● F021B18A033	● F021B28A033	● F021B38A033	● F021B48A033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C18A001	○ F021C28A001	○ F021C38A001	○ F021C48A001
● F021C18A006	● F021C28A006	● F021C38A006	● F021C48A006
● F021C18A012	● F021C28A012	● F021C38A012	● F021C48A012
● F021C18A018	● F021C28A018	● F021C38A018	● F021C48A018
● F021C18A030	● F021C28A030	● F021C38A030	● F021C48A030
● F021C18A033	● F021C28A033	● F021C38A033	● F021C48A033

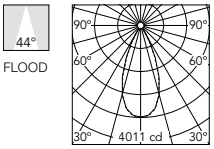
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1DA001	○ F021A2DA001	○ F021A3DA001	○ F021A4DA001
● F021A1DA006	● F021A2DA006	● F021A3DA006	● F021A4DA006
● F021A1DA012	● F021A2DA012	● F021A3DA012	● F021A4DA012
● F021A1DA018	● F021A2DA018	● F021A3DA018	● F021A4DA018
● F021A1DA030	● F021A2DA030	● F021A3DA030	● F021A4DA030
● F021A1DA033	● F021A2DA033	● F021A3DA033	● F021A4DA033



Beam Angle:		44°
h(m)	E(lx)	D(m)
1	4011	0.81
2	1003	1.63
3	446	2.44
4	251	3.26
5	160	4.07

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

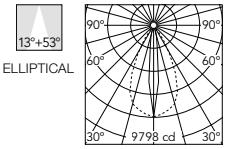
2200K	2700K	3000K	4000K
○ F021B1DA001	○ F021B2DA001	○ F021B3DA001	○ F021B4DA001
● F021B1DA006	● F021B2DA006	● F021B3DA006	● F021B4DA006
● F021B1DA012	● F021B2DA012	● F021B3DA012	● F021B4DA012
● F021B1DA018	● F021B2DA018	● F021B3DA018	● F021B4DA018
● F021B1DA030	● F021B2DA030	● F021B3DA030	● F021B4DA030
● F021B1DA033	● F021B2DA033	● F021B3DA033	● F021B4DA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1DA001	○ F021C2DA001	○ F021C3DA001	○ F021C4DA001
● F021C1DA006	● F021C2DA006	● F021C3DA006	● F021C4DA006
● F021C1DA012	● F021C2DA012	● F021C3DA012	● F021C4DA012
● F021C1DA018	● F021C2DA018	● F021C3DA018	● F021C4DA018
● F021C1DA030	● F021C2DA030	● F021C3DA030	● F021C4DA030
● F021C1DA033	● F021C2DA033	● F021C3DA033	● F021C4DA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1HA001	○ F021A2HA001	○ F021A3HA001	○ F021A4HA001
● F021A1HA006	● F021A2HA006	● F021A3HA006	● F021A4HA006
● F021A1HA012	● F021A2HA012	● F021A3HA012	● F021A4HA012
● F021A1HA018	● F021A2HA018	● F021A3HA018	● F021A4HA018
● F021A1HA030	● F021A2HA030	● F021A3HA030	● F021A4HA030
● F021A1HA033	● F021A2HA033	● F021A3HA033	● F021A4HA033



Beam Angle:		53°
h(m)	E(lx)	D(m)
1	9798	0.22
2	2450	0.44
3	1089	0.66
4	612	0.88
5	392	1.10

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

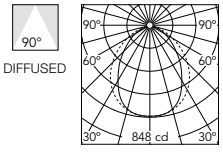
2200K	2700K	3000K	4000K
○ F021B1HA001	○ F021B2HA001	○ F021B3HA001	○ F021B4HA001
● F021B1HA006	● F021B2HA006	● F021B3HA006	● F021B4HA006
● F021B1HA012	● F021B2HA012	● F021B3HA012	● F021B4HA012
● F021B1HA018	● F021B2HA018	● F021B3HA018	● F021B4HA018
● F021B1HA030	● F021B2HA030	● F021B3HA030	● F021B4HA030
● F021B1HA033	● F021B2HA033	● F021B3HA033	● F021B4HA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1HA001	○ F021C2HA001	○ F021C3HA001	○ F021C4HA001
● F021C1HA006	● F021C2HA006	● F021C3HA006	● F021C4HA006
● F021C1HA012	● F021C2HA012	● F021C3HA012	● F021C4HA012
● F021C1HA018	● F021C2HA018	● F021C3HA018	● F021C4HA018
● F021C1HA030	● F021C2HA030	● F021C3HA030	● F021C4HA030
● F021C1HA033	● F021C2HA033	● F021C3HA033	● F021C4HA033

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2200K	2700K	3000K	4000K
○ F021A1MA001	○ F021A2MA001	○ F021A3MA001	○ F021A4MA001
● F021A1MA006	● F021A2MA006	● F021A3MA006	● F021A4MA006
● F021A1MA012	● F021A2MA012	● F021A3MA012	● F021A4MA012
● F021A1MA018	● F021A2MA018	● F021A3MA018	● F021A4MA018
● F021A1MA030	● F021A2MA030	● F021A3MA030	● F021A4MA030
● F021A1MA033	● F021A2MA033	● F021A3MA033	● F021A4MA033



Beam Angle:		90°
h(m)	E(lx)	D(m)
1	848	1.74
2	212	3.49
3	94	5.23
4	53	6.98
5	34	8.72

@4000K

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

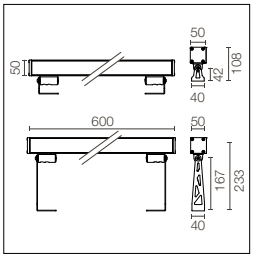
2200K	2700K	3000K	4000K
○ F021B1MA001	○ F021B2MA001	○ F021B3MA001	○ F021B4MA001
● F021B1MA006	● F021B2MA006	● F021B3MA006	● F021B4MA006
● F021B1MA012	● F021B2MA012	● F021B3MA012	● F021B4MA012
● F021B1MA018	● F021B2MA018	● F021B3MA018	● F021B4MA018
● F021B1MA030	● F021B2MA030	● F021B3MA030	● F021B4MA030
● F021B1MA033	● F021B2MA033	● F021B3MA033	● F021B4MA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2200K	2700K	3000K	4000K
○ F021C1MA001	○ F021C2MA001	○ F021C3MA001	○ F021C4MA001
● F021C1MA006	● F021C2MA006	● F021C3MA006	● F021C4MA006
● F021C1MA012	● F021C2MA012	● F021C3MA012	● F021C4MA012
● F021C1MA018	● F021C2MA018	● F021C3MA018	● F021C4MA018
● F021C1MA030	● F021C2MA030	● F021C3MA030	● F021C4MA030
● F021C1MA033	● F021C2MA033	● F021C3MA033	● F021C4MA033

Outgraze 50 L 600 - Dimmable DALI





IP 66 · IK 07 · 2,55 Kg · LED INCL

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART dimmerabile DALI (potenza 7W - flusso -50% lm). A richiesta versione dimmerabile 1-10V.

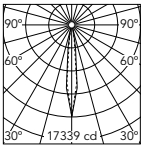
Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass.
SMART dimmable DALI version available upon request (power 7W - flux -50% lm). 1-10V dimmable version upon request.

Power Led: 14,5W - 1669 lm ≠ *FIXT 1369 lm - 2700K/CRI 80 - 120-240V / 14,5W - 1729 lm ≠ *FIXT 1418 lm - 3000K/CRI 80 - 120-240V / 14,5W - 1788 lm ≠ *FIXT 1467 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B12D001	○ F021B22D001	○ F021B32D001	○ F021B42D001
● F021B12D006	● F021B22D006	● F021B32D006	● F021B42D006
● F021B12D012	● F021B22D012	● F021B32D012	● F021B42D012
● F021B12D018	● F021B22D018	● F021B32D018	● F021B42D018
● F021B12D030	● F021B22D030	● F021B32D030	● F021B42D030
● F021B12D033	● F021B22D033	● F021B32D033	● F021B42D033

13° SPOT



@4000K

Beam Angle:	13°	
h(m)	E(lx)	D(m)
1	17339	0.25
2	4335	0.49
3	1927	0.74
4	1084	0.98
5	694	1.23

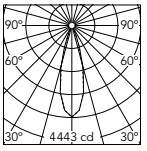
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C12D001	○ F021C22D001	○ F021C32D001	○ F021C42D001
● F021C12D006	● F021C22D006	● F021C32D006	● F021C42D006
● F021C12D012	● F021C22D012	● F021C32D012	● F021C42D012
● F021C12D018	● F021C22D018	● F021C32D018	● F021C42D018
● F021C12D030	● F021C22D030	● F021C32D030	● F021C42D030
● F021C12D033	● F021C22D033	● F021C32D033	● F021C42D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B16D001	○ F021B26D001	○ F021B36D001	○ F021B46D001
● F021B16D006	● F021B26D006	● F021B36D006	● F021B46D006
● F021B16D012	● F021B26D012	● F021B36D012	● F021B46D012
● F021B16D018	● F021B26D018	● F021B36D018	● F021B46D018
● F021B16D030	● F021B26D030	● F021B36D030	● F021B46D030
● F021B16D033	● F021B26D033	● F021B36D033	● F021B46D033

29° MEDIUM



@4000K

Beam Angle:	29°	
h(m)	E(lx)	D(m)
1	4443	0.52
2	1111	1.04
3	494	1.56
4	278	2.08
5	178	2.60

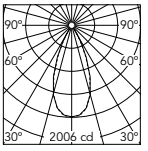
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C16D001	○ F021C26D001	○ F021C36D001	○ F021C46D001
● F021C16D006	● F021C26D006	● F021C36D006	● F021C46D006
● F021C16D012	● F021C26D012	● F021C36D012	● F021C46D012
● F021C16D018	● F021C26D018	● F021C36D018	● F021C46D018
● F021C16D030	● F021C26D030	● F021C36D030	● F021C46D030
● F021C16D033	● F021C26D033	● F021C36D033	● F021C46D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1BD001	○ F021B2BD001	○ F021B3BD001	○ F021B4BD001
● F021B1BD006	● F021B2BD006	● F021B3BD006	● F021B4BD006
● F021B1BD012	● F021B2BD012	● F021B3BD012	● F021B4BD012
● F021B1BD018	● F021B2BD018	● F021B3BD018	● F021B4BD018
● F021B1BD030	● F021B2BD030	● F021B3BD030	● F021B4BD030
● F021B1BD033	● F021B2BD033	● F021B3BD033	● F021B4BD033

44° FLOOD



@4000K

Beam Angle:	44°	
h(m)	E(lx)	D(m)
1	2006	0.81
2	501	1.63
3	223	2.44
4	125	3.26
5	80	4.07

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1BD001	○ F021C2BD001	○ F021C3BD001	○ F021C4BD001
● F021C1BD006	● F021C2BD006	● F021C3BD006	● F021C4BD006
● F021C1BD012	● F021C2BD012	● F021C3BD012	● F021C4BD012
● F021C1BD018	● F021C2BD018	● F021C3BD018	● F021C4BD018
● F021C1BD030	● F021C2BD030	● F021C3BD030	● F021C4BD030
● F021C1BD033	● F021C2BD033	● F021C3BD033	● F021C4BD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

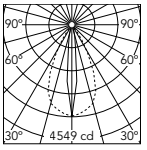
[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1FD001	○ F021B2FD001	○ F021B3FD001	○ F021B4FD001
● F021B1FD006	● F021B2FD006	● F021B3FD006	● F021B4FD006
● F021B1FD012	● F021B2FD012	● F021B3FD012	● F021B4FD012
● F021B1FD018	● F021B2FD018	● F021B3FD018	● F021B4FD018
● F021B1FD030	● F021B2FD030	● F021B3FD030	● F021B4FD030
● F021B1FD033	● F021B2FD033	● F021B3FD033	● F021B4FD033



ELLIPTICAL



@4000K

Beam Angle:		53°
h(m)	E(lx)	D(m)
1	4549	0.22
2	1137	0.44
3	505	0.66
4	284	0.88
5	182	1.10

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

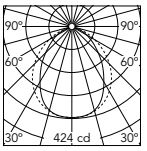
2200K	2700K	3000K	4000K
○ F021C1FD001	○ F021C2FD001	○ F021C3FD001	○ F021C4FD001
● F021C1FD006	● F021C2FD006	● F021C3FD006	● F021C4FD006
● F021C1FD012	● F021C2FD012	● F021C3FD012	● F021C4FD012
● F021C1FD018	● F021C2FD018	● F021C3FD018	● F021C4FD018
● F021C1FD030	● F021C2FD030	● F021C3FD030	● F021C4FD030
● F021C1FD033	● F021C2FD033	● F021C3FD033	● F021C4FD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1KD001	○ F021B2KD001	○ F021B3KD001	○ F021B4KD001
● F021B1KD006	● F021B2KD006	● F021B3KD006	● F021B4KD006
● F021B1KD012	● F021B2KD012	● F021B3KD012	● F021B4KD012
● F021B1KD018	● F021B2KD018	● F021B3KD018	● F021B4KD018
● F021B1KD030	● F021B2KD030	● F021B3KD030	● F021B4KD030
● F021B1KD033	● F021B2KD033	● F021B3KD033	● F021B4KD033



DIFFUSED



@4000K

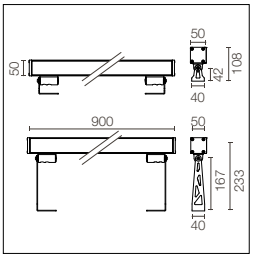
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	424	1.74
2	106	3.49
3	47	5.23
4	26	6.98
5	17	8.72

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1KD001	○ F021C2KD001	○ F021C3KD001	○ F021C4KD001
● F021C1KD006	● F021C2KD006	● F021C3KD006	● F021C4KD006
● F021C1KD012	● F021C2KD012	● F021C3KD012	● F021C4KD012
● F021C1KD018	● F021C2KD018	● F021C3KD018	● F021C4KD018
● F021C1KD030	● F021C2KD030	● F021C3KD030	● F021C4KD030
● F021C1KD033	● F021C2KD033	● F021C3KD033	● F021C4KD033

Outgraze 50 L 900 - Dimmable DALI





IP 66 · IK 07 · 3,30 Kg · LED INCL

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART dimmerabile DALI (potenza 11W - flusso -50% lm). A richiesta versione dimmerabile 1-10V.

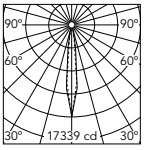
Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass.
SMART dimmable DALI version available upon request (power 11W - flux -50% lm). 1-10V dimmable version upon request.

Power Led: 20W - 2504 lm ≠ *FIXT 2054 lm - 2700K/CRI 80 - 120-240V / 20W - 2593 lm ≠ *FIXT 2127 lm - 3000K/CRI 80 - 120-240V / 20W - 2683 lm ≠ *FIXT 2201 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B13D001	○ F021B23D001	○ F021B33D001	○ F021B43D001
● F021B13D006	● F021B23D006	● F021B33D006	● F021B43D006
● F021B13D012	● F021B23D012	● F021B33D012	● F021B43D012
● F021B13D018	● F021B23D018	● F021B33D018	● F021B43D018
● F021B13D030	● F021B23D030	● F021B33D030	● F021B43D030
● F021B13D033	● F021B23D033	● F021B33D033	● F021B43D033

13° SPOT



@4000K

Beam Angle: 13°

h(m)	E(lx)	D(m)
1	17339	0.25
2	4335	0.49
3	1927	0.74
4	1084	0.98
5	694	1.23

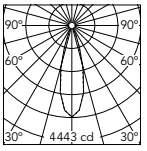
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C13D001	○ F021C23D001	○ F021C33D001	○ F021C43D001
● F021C13D006	● F021C23D006	● F021C33D006	● F021C43D006
● F021C13D012	● F021C23D012	● F021C33D012	● F021C43D012
● F021C13D018	● F021C23D018	● F021C33D018	● F021C43D018
● F021C13D030	● F021C23D030	● F021C33D030	● F021C43D030
● F021C13D033	● F021C23D033	● F021C33D033	● F021C43D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B17D001	○ F021B27D001	○ F021B37D001	○ F021B47D001
● F021B17D006	● F021B27D006	● F021B37D006	● F021B47D006
● F021B17D012	● F021B27D012	● F021B37D012	● F021B47D012
● F021B17D018	● F021B27D018	● F021B37D018	● F021B47D018
● F021B17D030	● F021B27D030	● F021B37D030	● F021B47D030
● F021B17D033	● F021B27D033	● F021B37D033	● F021B47D033

29° MEDIUM



@4000K

Beam Angle: 29°

h(m)	E(lx)	D(m)
1	4443	0.52
2	1111	1.04
3	494	1.56
4	278	2.08
5	178	2.60

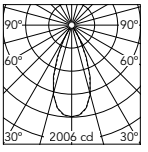
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C17D001	○ F021C27D001	○ F021C37D001	○ F021C47D001
● F021C17D006	● F021C27D006	● F021C37D006	● F021C47D006
● F021C17D012	● F021C27D012	● F021C37D012	● F021C47D012
● F021C17D018	● F021C27D018	● F021C37D018	● F021C47D018
● F021C17D030	● F021C27D030	● F021C37D030	● F021C47D030
● F021C17D033	● F021C27D033	● F021C37D033	● F021C47D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1CD001	○ F021B2CD001	○ F021B3CD001	○ F021B4CD001
● F021B1CD006	● F021B2CD006	● F021B3CD006	● F021B4CD006
● F021B1CD012	● F021B2CD012	● F021B3CD012	● F021B4CD012
● F021B1CD018	● F021B2CD018	● F021B3CD018	● F021B4CD018
● F021B1CD030	● F021B2CD030	● F021B3CD030	● F021B4CD030
● F021B1CD033	● F021B2CD033	● F021B3CD033	● F021B4CD033

44° FLOOD



@4000K

Beam Angle: 44°

h(m)	E(lx)	D(m)
1	2006	0.81
2	501	1.63
3	223	2.44
4	125	3.26
5	80	4.07

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1CD001	○ F021C2CD001	○ F021C3CD001	○ F021C4CD001
● F021C1CD006	● F021C2CD006	● F021C3CD006	● F021C4CD006
● F021C1CD012	● F021C2CD012	● F021C3CD012	● F021C4CD012
● F021C1CD018	● F021C2CD018	● F021C3CD018	● F021C4CD018
● F021C1CD030	● F021C2CD030	● F021C3CD030	● F021C4CD030
● F021C1CD033	● F021C2CD033	● F021C3CD033	● F021C4CD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

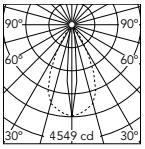
[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1GD001	○ F021B2GD001	○ F021B3GD001	○ F021B4GD001
● F021B1GD006	● F021B2GD006	● F021B3GD006	● F021B4GD006
● F021B1GD012	● F021B2GD012	● F021B3GD012	● F021B4GD012
● F021B1GD018	● F021B2GD018	● F021B3GD018	● F021B4GD018
● F021B1GD030	● F021B2GD030	● F021B3GD030	● F021B4GD030
● F021B1GD033	● F021B2GD033	● F021B3GD033	● F021B4GD033



ELLIPTICAL



@4000K

Beam Angle:		53°
h(m)	E(lx)	D(m)
1	4549	0.22
2	1137	0.44
3	505	0.66
4	284	0.88
5	182	1.10

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

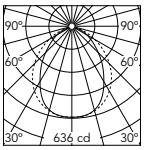
2200K	2700K	3000K	4000K
○ F021C1GD001	○ F021C2GD001	○ F021C3GD001	○ F021C4GD001
● F021C1GD006	● F021C2GD006	● F021C3GD006	● F021C4GD006
● F021C1GD012	● F021C2GD012	● F021C3GD012	● F021C4GD012
● F021C1GD018	● F021C2GD018	● F021C3GD018	● F021C4GD018
● F021C1GD030	● F021C2GD030	● F021C3GD030	● F021C4GD030
● F021C1GD033	● F021C2GD033	● F021C3GD033	● F021C4GD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1LD001	○ F021B2LD001	○ F021B3LD001	○ F021B4LD001
● F021B1LD006	● F021B2LD006	● F021B3LD006	● F021B4LD006
● F021B1LD012	● F021B2LD012	● F021B3LD012	● F021B4LD012
● F021B1LD018	● F021B2LD018	● F021B3LD018	● F021B4LD018
● F021B1LD030	● F021B2LD030	● F021B3LD030	● F021B4LD030
● F021B1LD033	● F021B2LD033	● F021B3LD033	● F021B4LD033



DIFFUSED



@4000K

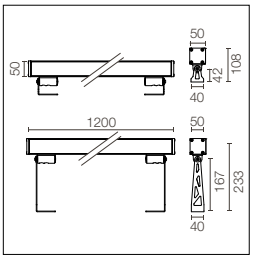
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	636	1.74
2	159	3.49
3	71	5.23
4	40	6.98
5	25	8.72

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1LD001	○ F021C2LD001	○ F021C3LD001	○ F021C4LD001
● F021C1LD006	● F021C2LD006	● F021C3LD006	● F021C4LD006
● F021C1LD012	● F021C2LD012	● F021C3LD012	● F021C4LD012
● F021C1LD018	● F021C2LD018	● F021C3LD018	● F021C4LD018
● F021C1LD030	● F021C2LD030	● F021C3LD030	● F021C4LD030
● F021C1LD033	● F021C2LD033	● F021C3LD033	● F021C4LD033

Outgraze 50 L 1200 - Dimmable DALI





IP 66 | IK 07 | 4,31 Kg | LED INCL.

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente. Vetro trasparente extra chiaro, esclusa versione DIFFUSED con vetro sabbiato.
A richiesta versione SMART dimmerabile DALI (potenza 14W - flusso -50% lm). A richiesta versione dimmerabile 1-10V.

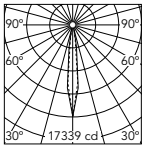
Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass.
SMART dimmable DALI version available upon request (power 14W - flux -50% lm). 1-10V dimmable version upon request.

Power Led: 27W - 3338 lm ≠ *FIXT 2739 lm - 2700K/CRI 80 - 120-240V / 27W - 3458 lm ≠ *FIXT 2836 lm - 3000K/CRI 80 - 120-240 / 27W - 3577 lm ≠ *FIXT 2934 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B14D001	○ F021B24D001	○ F021B34D001	○ F021B44D001
● F021B14D006	● F021B24D006	● F021B34D006	● F021B44D006
● F021B14D012	● F021B24D012	● F021B34D012	● F021B44D012
● F021B14D018	● F021B24D018	● F021B34D018	● F021B44D018
● F021B14D030	● F021B24D030	● F021B34D030	● F021B44D030
● F021B14D033	● F021B24D033	● F021B34D033	● F021B44D033

13°
SPOT



@4000K

Beam Angle:		13°
h(m)	E(lx)	D(m)
1	17339	0.25
2	4335	0.49
3	1927	0.74
4	1084	0.98
5	694	1.23

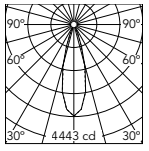
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C14D001	○ F021C24D001	○ F021C34D001	○ F021C44D001
● F021C14D006	● F021C24D006	● F021C34D006	● F021C44D006
● F021C14D012	● F021C24D012	● F021C34D012	● F021C44D012
● F021C14D018	● F021C24D018	● F021C34D018	● F021C44D018
● F021C14D030	● F021C24D030	● F021C34D030	● F021C44D030
● F021C14D033	● F021C24D033	● F021C34D033	● F021C44D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B18D001	○ F021B28D001	○ F021B38D001	○ F021B48D001
● F021B18D006	● F021B28D006	● F021B38D006	● F021B48D006
● F021B18D012	● F021B28D012	● F021B38D012	● F021B48D012
● F021B18D018	● F021B28D018	● F021B38D018	● F021B48D018
● F021B18D030	● F021B28D030	● F021B38D030	● F021B48D030
● F021B18D033	● F021B28D033	● F021B38D033	● F021B48D033

29°
MEDIUM



@4000K

Beam Angle:		29°
h(m)	E(lx)	D(m)
1	4443	0.52
2	1111	1.04
3	494	1.56
4	278	2.08
5	178	2.60

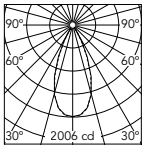
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C18D001	○ F021C28D001	○ F021C38D001	○ F021C48D001
● F021C18D006	● F021C28D006	● F021C38D006	● F021C48D006
● F021C18D012	● F021C28D012	● F021C38D012	● F021C48D012
● F021C18D018	● F021C28D018	● F021C38D018	● F021C48D018
● F021C18D030	● F021C28D030	● F021C38D030	● F021C48D030
● F021C18D033	● F021C28D033	● F021C38D033	● F021C48D033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1DD001	○ F021B2DD001	○ F021B3DD001	○ F021B4DD001
● F021B1DD006	● F021B2DD006	● F021B3DD006	● F021B4DD006
● F021B1DD012	● F021B2DD012	● F021B3DD012	● F021B4DD012
● F021B1DD018	● F021B2DD018	● F021B3DD018	● F021B4DD018
● F021B1DD030	● F021B2DD030	● F021B3DD030	● F021B4DD030
● F021B1DD033	● F021B2DD033	● F021B3DD033	● F021B4DD033

44°
FLOOD



@4000K

Beam Angle:		44°
h(m)	E(lx)	D(m)
1	2006	0.81
2	501	1.63
3	223	2.44
4	125	3.26
5	80	4.07

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1DD001	○ F021C2DD001	○ F021C3DD001	○ F021C4DD001
● F021C1DD006	● F021C2DD006	● F021C3DD006	● F021C4DD006
● F021C1DD012	● F021C2DD012	● F021C3DD012	● F021C4DD012
● F021C1DD018	● F021C2DD018	● F021C3DD018	● F021C4DD018
● F021C1DD030	● F021C2DD030	● F021C3DD030	● F021C4DD030
● F021C1DD033	● F021C2DD033	● F021C3DD033	● F021C4DD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

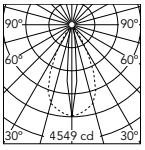
[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1HD001	○ F021B2HD001	○ F021B3HD001	○ F021B4HD001
● F021B1HD006	● F021B2HD006	● F021B3HD006	● F021B4HD006
● F021B1HD012	● F021B2HD012	● F021B3HD012	● F021B4HD012
● F021B1HD018	● F021B2HD018	● F021B3HD018	● F021B4HD018
● F021B1HD030	● F021B2HD030	● F021B3HD030	● F021B4HD030
● F021B1HD033	● F021B2HD033	● F021B3HD033	● F021B4HD033



ELLIPTICAL



@4000K

Beam Angle:		53°
h(m)	E(lx)	D(m)
1	4549	0.22
2	1137	0.44
3	505	0.66
4	284	0.88
5	182	1.10

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

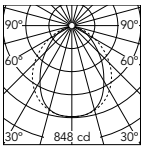
2200K	2700K	3000K	4000K
○ F021C1HD001	○ F021C2HD001	○ F021C3HD001	○ F021C4HD001
● F021C1HD006	● F021C2HD006	● F021C3HD006	● F021C4HD006
● F021C1HD012	● F021C2HD012	● F021C3HD012	● F021C4HD012
● F021C1HD018	● F021C2HD018	● F021C3HD018	● F021C4HD018
● F021C1HD030	● F021C2HD030	● F021C3HD030	● F021C4HD030
● F021C1HD033	● F021C2HD033	● F021C3HD033	● F021C4HD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2200K	2700K	3000K	4000K
○ F021B1MD001	○ F021B2MD001	○ F021B3MD001	○ F021B4MD001
● F021B1MD006	● F021B2MD006	● F021B3MD006	● F021B4MD006
● F021B1MD012	● F021B2MD012	● F021B3MD012	● F021B4MD012
● F021B1MD018	● F021B2MD018	● F021B3MD018	● F021B4MD018
● F021B1MD030	● F021B2MD030	● F021B3MD030	● F021B4MD030
● F021B1MD033	● F021B2MD033	● F021B3MD033	● F021B4MD033



DIFFUSED



@4000K

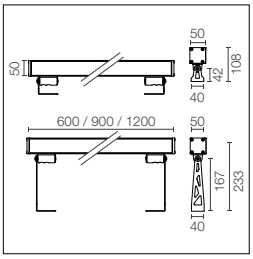
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	848	1.74
2	212	3.49
3	94	5.23
4	53	6.98
5	34	8.72

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2200K	2700K	3000K	4000K
○ F021C1MD001	○ F021C2MD001	○ F021C3MD001	○ F021C4MD001
● F021C1MD006	● F021C2MD006	● F021C3MD006	● F021C4MD006
● F021C1MD012	● F021C2MD012	● F021C3MD012	● F021C4MD012
● F021C1MD018	● F021C2MD018	● F021C3MD018	● F021C4MD018
● F021C1MD030	● F021C2MD030	● F021C3MD030	● F021C4MD030
● F021C1MD033	● F021C2MD033	● F021C3MD033	● F021C4MD033

Outgraze 50 - RGB





IP 66 · IK 07 · 2,55 Kg L 600 · 3,30 Kg L 900 · 4,31 Kg L 1200 · LED INCL

Alimentazione elettrica 120/240V e interfaccia DMX-RDM integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

Intergrated 120/240V power supply and DMX-RDM interface. Installation brackets, to be ordered separately.
Sandblasted glass.

Power Led: L600: 26W - 120-240V - DMX-RDM interface / L900: 37W - 120-240V - DMX-RDM interface / L1200: 48W - 120-240V - DMX-RDM interface

Schema elettrico n.12 page 648 / Wiring diagram n.12 page 648

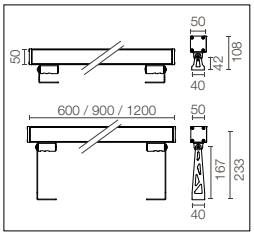
L 600	L 900	L 1200
○ F021MRKJ001	○ F021MRLJ001	○ F021MRMJ001
● F021MRKJ006	● F021MRLJ006	● F021MRMJ006
● F021MRKJ012	● F021MRLJ012	● F021MRMJ012
● F021MRKJ018	● F021MRLJ018	● F021MRMJ018
● F021MRKJ030	● F021MRLJ030	● F021MRMJ030
● F021MRKJ033	● F021MRLJ033	● F021MRMJ033

50°
FLOOD

Photometric data on request.

Outgraze 50 - RGBW





IP 66 · IK 07 · 2,55 Kg L 600 · 3,30 Kg L 900 · 4,31 Kg L 1200 · LED INCL

Alimentazione elettrica 120/240V e interfaccia DMX-RDM integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

Intergrated 120/240V power supply and DMX-RDM interface. Installation brackets, to be ordered separately.
Sandblasted glass.

Power Led: L600: 24W - 120-240V - DMX-RDM interface / L900: 33W - 120-240V - DMX-RDM interface / L1200: 43W 120-240V - DMX-RDM interface

Schema elettrico n.12 page 648 / Wiring diagram n.12 page 648

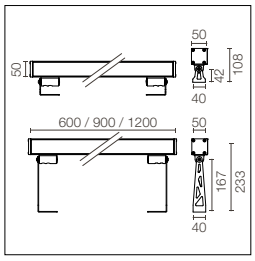
L 600	L 900	L 1200
○ F021MWKJ001	○ F021MWLJ001	○ F021MWMJ001
● F021MWKJ006	● F021MWLJ006	● F021MWMJ006
● F021MWKJ012	● F021MWLJ012	● F021MWMJ012
● F021MWKJ018	● F021MWLJ018	● F021MWMJ018
● F021MWKJ030	● F021MWLJ030	● F021MWMJ030
● F021MWKJ033	● F021MWLJ033	● F021MWMJ033

50°
FLOOD

Photometric data on request.

Outgraze 50 - Tunable White DALI 2700K÷5700K





IP 66 | IK 07 | 2,55 Kg L 600 | 3,30 Kg L 900 | 4,31 Kg L 1200 | LED INCL

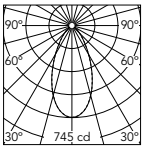
Alimentazione elettrica 120/240V DALI integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

120/240V DALI intergrated power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

Power Led: L600: 13W - 1413 lm ≠ FIXT 722 lm - 2700K/CRI 80 - 120-240V / L900: 18,5W - 1669 lm ≠ FIXT 1082 lm - 2700K/CRI 80 - 120-240V / L1200: 23W - 2826 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 120-240V

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648
L 600
- ○ F021PTKD001
- ● F021PTKD006
- ● F021PTKD012
- ● F021PTKD018
- ● F021PTKD030
- ● F021PTKD033

50° FLOOD



@4000K

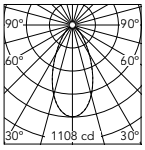
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	745	0.94
2	186	1.88
3	83	2.82
4	47	3.77
5	30	4.71

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648
L 600
- ○ F021QTKD001
- ● F021QTKD006
- ● F021QTKD012
- ● F021QTKD018
- ● F021QTKD030
- ● F021QTKD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648
L 900
- ○ F021PTLD001
- ● F021PTLD006
- ● F021PTLD012
- ● F021PTLD018
- ● F021PTLD030
- ● F021PTLD033

50° FLOOD



@4000K

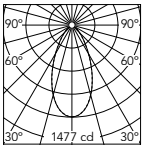
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1108	0.94
2	277	1.88
3	123	2.82
4	69	3.77
5	44	4.71

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648
L 900
- ○ F021QTLD001
- ● F021QTLD006
- ● F021QTLD012
- ● F021QTLD018
- ● F021QTLD030
- ● F021QTLD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648
L 1200
- ○ F021PTMD001
- ● F021PTMD006
- ● F021PTMD012
- ● F021PTMD018
- ● F021PTMD030
- ● F021PTMD033

50° FLOOD



@4000K

Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1477	0.94
2	369	1.88
3	164	2.82
4	92	3.77
5	59	4.71

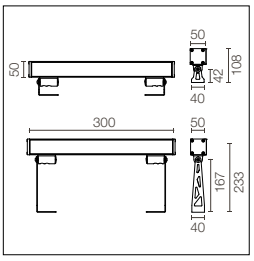
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648
L 1200
- ○ F021QTMD001
- ● F021QTMD006
- ● F021QTMD012
- ● F021QTMD018
- ● F021QTMD030
- ● F021QTMD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 50 Easy L 300 - Non Dimmable





IK 07 · IP 66 · 0,80 Kg · LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

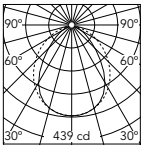
Integrated 220/240V power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

Mid-power Led: 8W - 806 lm ≠ FIXT 310 lm - 2700K/CRI 80 - 220-240V / 8W - 876 lm ≠ FIXT 337 lm - 3000K/CRI 80 - 220-240V / 8W - 946 lm ≠ FIXT 364 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2700K	3000K	4000K
○ F021G2JA001	○ F021G3JA001	○ F021G4JA001
F021G2JA006	F021G3JA006	F021G4JA006
F021G2JA012	F021G3JA012	F021G4JA012
F021G2JA018	F021G3JA018	F021G4JA018
F021G2JA030	F021G3JA030	F021G4JA030
F021G2JA033	F021G3JA033	F021G4JA033

90° DIFFUSED



@4000K

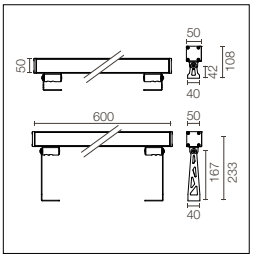
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	439	1.67
2	110	3.34
3	49	5.00
4	27	6.67
5	18	8.34

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2700K	3000K	4000K
○ F021H2JA001	○ F021H3JA001	○ F021H4JA001
F021H2JA006	F021H3JA006	F021H4JA006
F021H2JA012	F021H3JA012	F021H4JA012
F021H2JA018	F021H3JA018	F021H4JA018
F021H2JA030	F021H3JA030	F021H4JA030
F021H2JA033	F021H3JA033	F021H4JA033

Outgraze 50 Easy L 600 - Non Dimmable





IK 07 · IP 66 · 1,65 Kg · LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

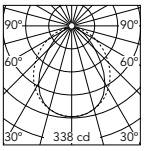
Integrated 220/240V power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

Mid-power Led: 14,5W - 1612 lm ≠ FIXT 620 lm - 2700K/CRI 80 - 220-240V / 14,5W - 1752 lm ≠ FIXT 674 lm - 3000K/CRI 80 - 220-240V / 14,5W - 1892 lm ≠ FIXT 728 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2700K	3000K	4000K
○ F021G2KA001	○ F021G3KA001	○ F021G4KA001
F021G2KA006	F021G3KA006	F021G4KA006
F021G2KA012	F021G3KA012	F021G4KA012
F021G2KA018	F021G3KA018	F021G4KA018
F021G2KA030	F021G3KA030	F021G4KA030
F021G2KA033	F021G3KA033	F021G4KA033

90° DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	338	1.67
2	85	3.34
3	38	5.00
4	21	6.67
5	14	8.34

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

2700K	3000K	4000K
○ F021H2KA001	○ F021H3KA001	○ F021H4KA001
F021H2KA006	F021H3KA006	F021H4KA006
F021H2KA012	F021H3KA012	F021H4KA012
F021H2KA018	F021H3KA018	F021H4KA018
F021H2KA030	F021H3KA030	F021H4KA030
F021H2KA033	F021H3KA033	F021H4KA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2700K	3000K	4000K
○ F021J2KA001	○ F021J3KA001	○ F021J4KA001
F021J2KA006	F021J3KA006	F021J4KA006
F021J2KA012	F021J3KA012	F021J4KA012
F021J2KA018	F021J3KA018	F021J4KA018
F021J2KA030	F021J3KA030	F021J4KA030
F021J2KA033	F021J3KA033	F021J4KA033

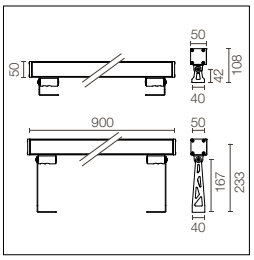
[1]Standard Version: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered).

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 50 Easy L 900 - Non Dimmable





IP 66 | 3,30 Kg | IK 07 | LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro sabbiato.

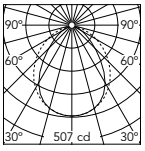
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Mid-power Led: 20W - 2418 lm ≠ FIXT 930 lm - 2700K/CRI 80 - 220-240V / 20W - 2628 lm ≠ FIXT 1011 lm - 3000K/CRI 80 - 220-240V / 20W - 2839 lm ≠ FIXT 1092 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2700K	3000K	4000K
○ F021G2LA001	○ F021G3LA001	○ F021G4LA001
● F021G2LA006	● F021G3LA006	● F021G4LA006
● F021G2LA012	● F021G3LA012	● F021G4LA012
● F021G2LA018	● F021G3LA018	● F021G4LA018
● F021G2LA030	● F021G3LA030	● F021G4LA030
● F021G2LA033	● F021G3LA033	● F021G4LA033

90° DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	507	1.67
2	127	3.34
3	56	5.00
4	32	6.67
5	20	8.34

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

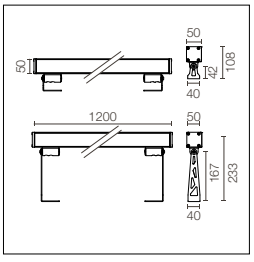
2700K	3000K	4000K
○ F021H2LA001	○ F021H3LA001	○ F021H4LA001
● F021H2LA006	● F021H3LA006	● F021H4LA006
● F021H2LA012	● F021H3LA012	● F021H4LA012
● F021H2LA018	● F021H3LA018	● F021H4LA018
● F021H2LA030	● F021H3LA030	● F021H4LA030
● F021H2LA033	● F021H3LA033	● F021H4LA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2700K	3000K	4000K
○ F021J2LA001	○ F021J3LA001	○ F021J4LA001
● F021J2LA006	● F021J3LA006	● F021J4LA006
● F021J2LA012	● F021J3LA012	● F021J4LA012
● F021J2LA018	● F021J3LA018	● F021J4LA018
● F021J2LA030	● F021J3LA030	● F021J4LA030
● F021J2LA033	● F021J3LA033	● F021J4LA033

Outgraze 50 Easy L 1200 - Non Dimmable





IP 66 | 4,31 Kg | IK 07 | LED INCL

Alimentazione elettrica 220/240V integrata. Staffe di installazione da ordinare separatamente. Vetro sabbiato.

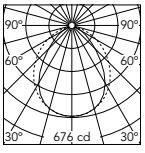
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Mid-power Led: 27W - 3224 lm ≠ FIXT 1240 lm - 2700K/CRI 80 - 220-240V / 27W - 3505 lm ≠ FIXT 1348 lm - 3000K/CRI 80 - 220-240V / 27W - 3785 lm ≠ FIXT 1456 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Schema elettrico n.7 page 647 / Wiring diagram n.7 page 647

2700K	3000K	4000K
○ F021G2MA001	○ F021G3MA001	○ F021G4MA001
● F021G2MA006	● F021G3MA006	● F021G4MA006
● F021G2MA012	● F021G3MA012	● F021G4MA012
● F021G2MA018	● F021G3MA018	● F021G4MA018
● F021G2MA030	● F021G3MA030	● F021G4MA030
● F021G2MA033	● F021G3MA033	● F021G4MA033

90° DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	676	1.67
2	169	3.34
3	75	5.00
4	42	6.67
5	27	8.34

[2]**Quick Install I H_2O Stop Fast Connect** - Schema elettrico n.8 page 647 / Wiring diagram n.8 page 647

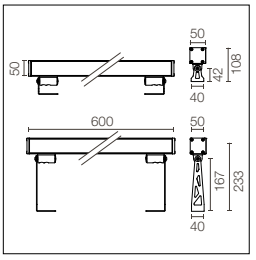
2700K	3000K	4000K
○ F021H2MA001	○ F021H3MA001	○ F021H4MA001
● F021H2MA006	● F021H3MA006	● F021H4MA006
● F021H2MA012	● F021H3MA012	● F021H4MA012
● F021H2MA018	● F021H3MA018	● F021H4MA018
● F021H2MA030	● F021H3MA030	● F021H4MA030
● F021H2MA033	● F021H3MA033	● F021H4MA033

[3]**Continuous Line I/O H_2O Stop Fast Connect** - Schema elettrico n.9 page 647 / Wiring diagram n.9 page 647

2700K	3000K	4000K
○ F021J2MA001	○ F021J3MA001	○ F021J4MA001
● F021J2MA006	● F021J3MA006	● F021J4MA006
● F021J2MA012	● F021J3MA012	● F021J4MA012
● F021J2MA018	● F021J3MA018	● F021J4MA018
● F021J2MA030	● F021J3MA030	● F021J4MA030
● F021J2MA033	● F021J3MA033	● F021J4MA033

Outgraze 50 Easy L 600 - Dimmable DALI





IP 66 · 1,65 Kg · IK 07 · LED INCL

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

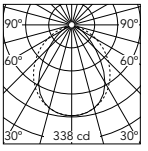
Integrated 120/240V power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

Mid-power Led: 14,5W - 1440 lm ≠ FIXT 1106 lm - 2700K/CRI 80 - 120-240V / 14,5W - 1560 lm ≠ FIXT 1198 lm - 3000K/CRI 80 - 120-240V / 14,5W - 1680 lm ≠ FIXT 1290 lm - 4000K/CRI 80 - 120-240V

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2700K	3000K	4000K
○ F021G2KD001	○ F021G3KD001	○ F021G4KD001
F021G2KD006	F021G3KD006	F021G4KD006
F021G2KD012	F021G3KD012	F021G4KD012
F021G2KD018	F021G3KD018	F021G4KD018
F021G2KD030	F021G3KD030	F021G4KD030
F021G2KD033	F021G3KD033	F021G4KD033

90° DIFFUSED



@4000K

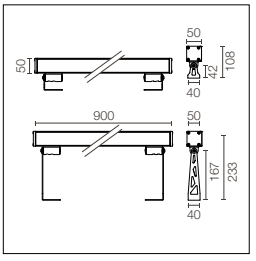
Beam Angle:		90°
h(m)	E(lx)	D(m)
1	338	1.67
2	85	3.34
3	38	5.00
4	21	6.67
5	14	8.34

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

2700K	3000K	4000K
○ F021J2KD001	○ F021J3KD001	○ F021J4KD001
F021J2KD006	F021J3KD006	F021J4KD006
F021J2KD012	F021J3KD012	F021J4KD012
F021J2KD018	F021J3KD018	F021J4KD018
F021J2KD030	F021J3KD030	F021J4KD030
F021J2KD033	F021J3KD033	F021J4KD033

Outgraze 50 Easy L 900 - Dimmable DALI





IP 66 · 3,30 Kg · IK 07 · LED INCL

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

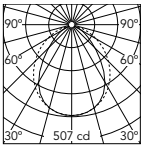
Integrated 120/240V power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

Mid-power Led: 20W - 2418 lm ≠ FIXT 930 lm - 2700K/CRI 80 - 120-240V / 20W - 2628 lm ≠ FIXT 1011 lm - 3000K/CRI 80 - 120-240V / 20W - 2839 lm ≠ FIXT 1092 lm - 4000K/CRI 80 -120-240V

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2700K	3000K	4000K
○ F021G2LD001	○ F021G3LD001	○ F021G4LD001
F021G2LD006	F021G3LD006	F021G4LD006
F021G2LD012	F021G3LD012	F021G4LD012
F021G2LD018	F021G3LD018	F021G4LD018
F021G2LD030	F021G3LD030	F021G4LD030
F021G2LD033	F021G3LD033	F021G4LD033

90° DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	507	1.67
2	127	3.34
3	56	5.00
4	32	6.67
5	20	8.34

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

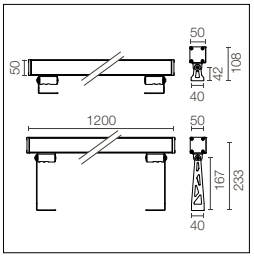
2700K	3000K	4000K
○ F021J2LD001	○ F021J3LD001	○ F021J4LD001
F021J2LD006	F021J3LD006	F021J4LD006
F021J2LD012	F021J3LD012	F021J4LD012
F021J2LD018	F021J3LD018	F021J4LD018
F021J2LD030	F021J3LD030	F021J4LD030
F021J2LD033	F021J3LD033	F021J4LD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 50 Easy L 1200 - Dimmable DALI





IP 66 | IK 07 | 4,31 Kg | LED INCL

Alimentazione elettrica 120/240V integrata. Staffe di installazione da ordinare separatamente.
Vetro sabbiato.

Integrated 120/240V power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

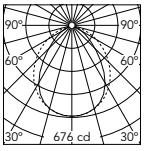
Power Led: 27W - 3224 lm ≠ FIXT 1240 lm - 2700K/CRI 80 - 120-240V / 27W - 3505 lm ≠ FIXT 1348 lm - 3000K/CRI 80 - 120-240V / 27W - 3785 lm ≠ FIXT 1456 lm - 4000K/CRI 80 -120-240V

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.10 page 648 / Wiring diagram n.10 page 648

2700K	3000K	4000K
○ F021G2MD001	○ F021G3MD001	○ F021G4MD001
● F021G2MD006	● F021G3MD006	● F021G4MD006
● F021G2MD012	● F021G3MD012	● F021G4MD012
● F021G2MD018	● F021G3MD018	● F021G4MD018
● F021G2MD030	● F021G3MD030	● F021G4MD030
● F021G2MD033	● F021G3MD033	● F021G4MD033



DIFFUSED



@4000K

Beam Angle:		90°
h(m)	E(lx)	D(m)
1	676	1.67
2	169	3.34
3	75	5.00
4	42	6.67
5	27	8.34

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.11 page 648 / Wiring diagram n.11 page 648

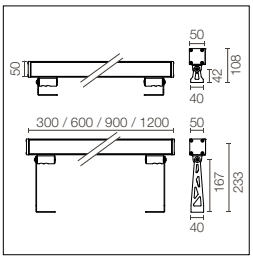
2700K	3000K	4000K
○ F021J2MD001	○ F021J3MD001	○ F021J4MD001
● F021J2MD006	● F021J3MD006	● F021J4MD006
● F021J2MD012	● F021J3MD012	● F021J4MD012
● F021J2MD018	● F021J3MD018	● F021J4MD018
● F021J2MD030	● F021J3MD030	● F021J4MD030
● F021J2MD033	● F021J3MD033	● F021J4MD033

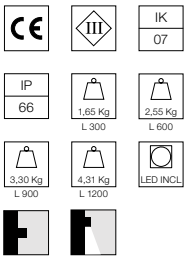
[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 50 Easy - Tunable White DALI 2700K÷5700K





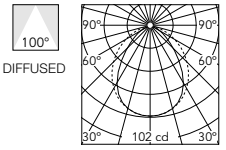


Alimentazione elettrica remota 24V e staffe di installazione da ordinare separatamente.
Vetro sabbiato.

24V remote power supply and installation brackets to be ordered separately.
Sandblasted glass.

Mid-power Led: L300: 6,5W - 572 lm ≠ FIXT 220 lm - 2700K/CRI 80 - 24V / L600: 11W - 1143 lm ≠ FIXT 440 lm - 2700K/CRI 80 - 24V / L900: 16W - 1715 lm ≠ FIXT 660 lm - 2700K/CRI 80 - 24V / L1200: 21W - 2286 lm ≠ FIXT 879 lm - 2700K/CRI 80 - 24V

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.13 page 649 / Wiring diagram n.13 page 649
L 300
- F021KTJD001
- F021KTJD006
- F021KTJD012
- F021KTJD018
- F021KTJD030
- F021KTJD033

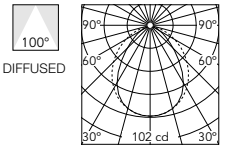


Beam Angle: 100°

h(m)	E(lx)	D(m)
1	102	1.67
2	26	3.34
3	12	5.00
4	7	6.67
5	4	8.34

@4000K

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.13 page 649 / Wiring diagram n.13 page 649
L 600
- F021KTKD001
- F021KTKD006
- F021KTKD012
- F021KTKD018
- F021KTKD030
- F021KTKD033



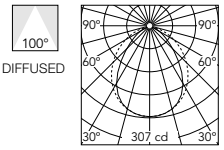
Beam Angle: 100°

h(m)	E(lx)	D(m)
1	204	1.67
2	51	3.34
3	23	5.00
4	13	6.67
5	8	8.34

@4000K

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.14 page 649 / Wiring diagram n.14 page 649
L 600
- F021LTKD001
- F021LTKD006
- F021LTKD012
- F021LTKD018
- F021LTKD030
- F021LTKD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.13 page 649 / Wiring diagram n.13 page 649
L 900
- F021KTLD001
- F021KTLD006
- F021KTLD012
- F021KTLD018
- F021KTLD030
- F021KTLD033



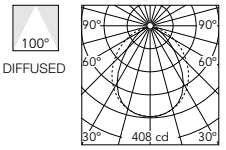
Beam Angle: 100°

h(m)	E(lx)	D(m)
1	307	1.67
2	77	3.34
3	34	5.00
4	19	6.67
5	12	8.34

@4000K

[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.14 page 649 / Wiring diagram n.14 page 649
L 900
- F021LTLD001
- F021LTLD006
- F021LTLD012
- F021LTLD018
- F021LTLD030
- F021LTLD033

[2]Quick Install I H_2O Stop Fast Connect - Schema elettrico n.13 page 649 / Wiring diagram n.13 page 649
L 1200
- F021KTMD001
- F021KTMD006
- F021KTMD012
- F021KTMD018
- F021KTMD030
- F021KTMD033



Beam Angle: 100°

h(m)	E(lx)	D(m)
1	408	1.67
2	102	3.34
3	45	5.00
4	26	6.67
5	16	8.34

@4000K

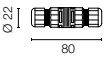
[3]Continuous Line I/O H_2O Stop Fast Connect - Schema elettrico n.14 page 649 / Wiring diagram n.14 page 649
L 1200
- F021LTMD001
- F021LTMD006
- F021LTMD012
- F021LTMD018
- F021LTMD030
- F021LTMD033

[2]Quick Install In H_2O Stop Version: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately).

[3]Continous Line In/Out H_2O Stop Version: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately).

Outgraze 50

Accessori per tutti le versioni / Accessories for all versions

Coppia staffe corte L 80mm.	One pair of short brackets L 80 mm.	○ F1203001 ● F1203006 ● F1203012 ● F1203018 ● F1203030 ● F1203033	
Coppia staffe lunghe L 200mm.	One pair of long brackets L 200 mm.	○ F1204001 ● F1204006 ● F1204012 ● F1204018 ● F1204030 ● F1204033	
Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C00A000	 
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000	
Kit connettore 5 poli presa volante + spina EU IP68.	Connector kit 5-pole flying socket + EU plug IP68.	F990C080000	
Tappo per connettore a pannello (sul prodotto) 4-5 poli.	Cap for panel (on the fixtures) plug connector 4-5 poles.	F021Z070000	

Outgraze 50

Accessori per versioni Non dimmable (220-240V) e Easy Non Dimmable (220-240V) / Accessories for Non Dimmable (220-240V) and Easy Non Dimmable (220-240V) versions

Connettore 4 poli plug&play.	Plug&play connector 4 poles.	F021Z010000	
Doppio connettore 4 poli plug&play + cavo L 600 mm.	Double plug&play connector 4 poles + cable 600 mm lenght.	F021Z020000	
Connettore 4 poli plug&play + cavo L 5000 mm.	Plug&play connector 4 poles + cable 5000 mm lenght.	F021Z030000	

Outgraze 50

Accessori per versioni Quick Install I H_2O Stop, Continuous Line I/O H_2O Stop e Easy Tunable White (24V) / Accessories for Quick Install I H_2O Stop, Continuous Line I/O H_2O Stop and Easy Tunable White (24V) versions

Connettore 4 poli plug&play.	Plug&play connector 4 poles.	F021Z010000	
Doppio connettore 4 poli plug&play + cavo L 600 mm. Classe III.	Double plug&play connector 4 poles + cable 600 mm lenght. Class III.	F021Z090000	
Connettore 4 poli plug&play + cavo L 5000 mm. Classe III.	Plug&play connector 4 poles + cable 5000 mm lenght. Class III.	F021Z100000	

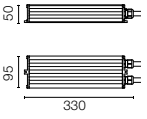
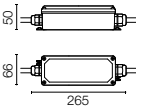
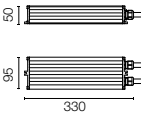
Outgraze 50

Accessori per versioni Quick Install I H_2O Stop, Continuous Line I/O H_2O Stop Dimmerabile DALI, Easy Dimmerabile e Tunable White DALI (120-240V) / Accessories for Quick Install I H_2O Stop, Continuous Line I/O H_2O Stop Dimmable DALI, Easy Dimmable and Tunable White DALI (120-240V) versions

Connettore 5 poli plug&play.	Plug&play connector 5 poles.	F021Z040000	
Connettore 5 poli plug&play + cavo L 5000 mm.	Plug&play connector 5 poles + cable 5000 mm lenght.	F021Z060000	
Doppio connettore 5 poli plug&play + cavo L 600 mm.	Double plug&play connector 5 poles + cable 600 mm lenght.	F021Z050000	
Scatola di derivazione 5 poli 4 vie IP68 (cavi 6-14 mm).	4 way junction box 5 poles IP68 (6-14 mm cables).	F990C030000	

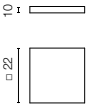
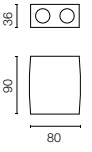
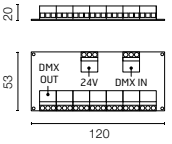
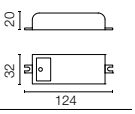
Outgraze 50

Alimentatori per versione Easy Tunable White DALI (24V) / Powers supplies for Easy Tunable White DALI (24V) version

Alimentatore per installazione remota 24V DC 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 50W / 120-240V IP67 Class II selv.	F990B28A000	 
Alimentatore per installazione remota 24V DC 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 70W / 220-240V IP67 Class II selv.	F990B27A000	 
Alimentatore per installazione remota 24V DC 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24V DC 96W / 120-240V IP67 Class II selv.	F990B29A000	 

Outgraze 50

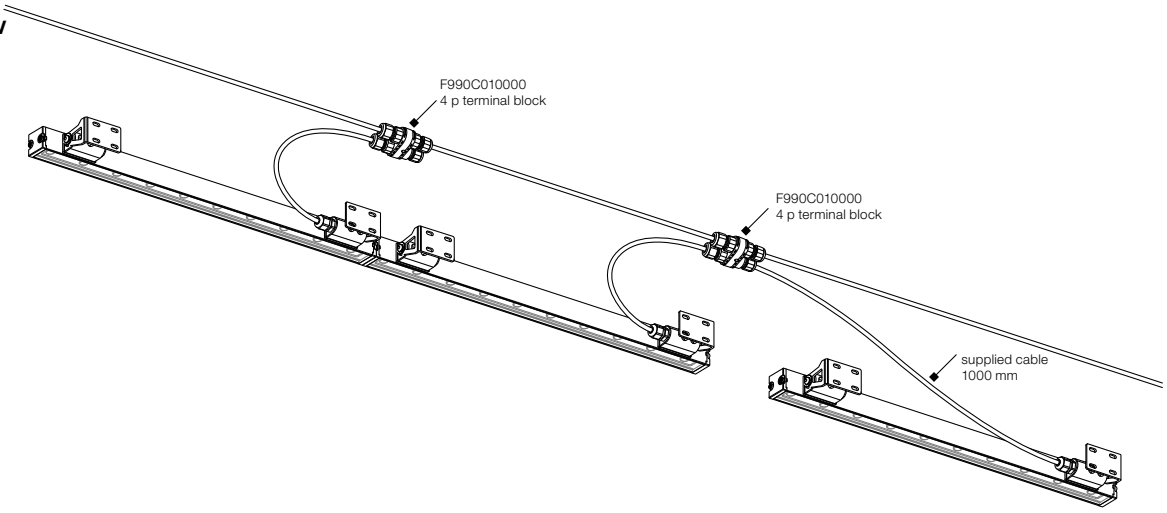
Accessori per gestione RGB-RGBW / Accessories for RGB-RGBW management

Controller DMX a parete per scatole ad incasso (60mm interasse fori).	DMX controller; dimmer switch for recessed box (60mm hole centres).	F990B10A000	 
Controller DMX stand-alone/interfaccia pc.	DMX controller; stand-alone/pc interface.	F990B11A000	 
DMX splitter 512 - dispositivo elettronico per rigenerare segnale dmx monodirezionale 1 Input e 7 output, 12-24Vdc. Alimentatore non incluso.	DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included.	F990B13A000	 
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	RF25747	 
Cavo DMX schermato con impedenza costante 110 Ohm.	DMX cable - shielded twisted pair with 110 Ohm constant impedance.	F990B12A000	

Schema elettrico n.7 / Wiring diagram n.7

Standard: spezzone di cavo in uscita 1000 mm (accessori per collegamento da ordinare) / 1000 mm lenght prewired cable (connecting accessory to be separately ordered)

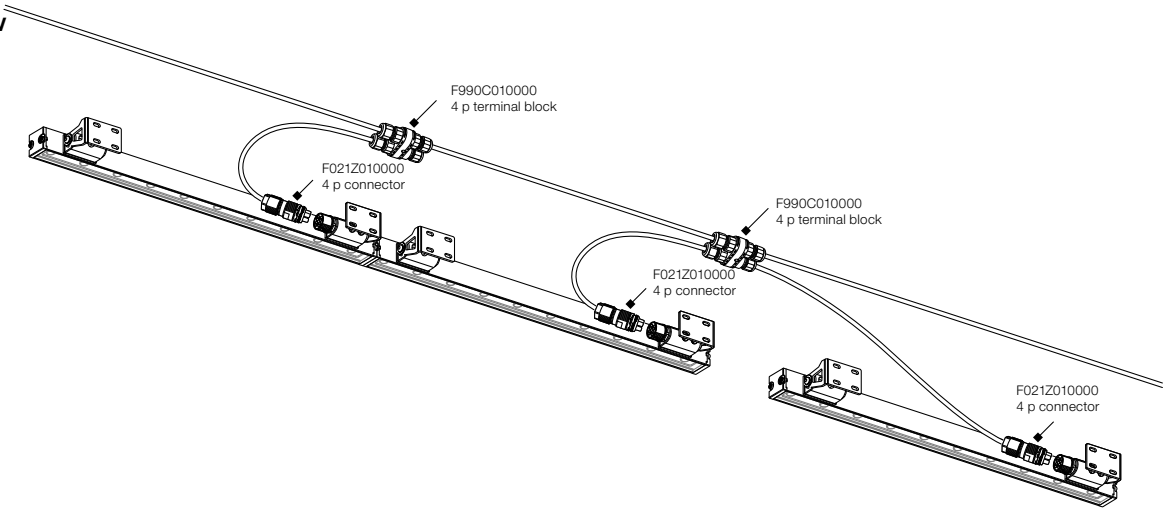
220-240V



Schema elettrico n.8 / Wiring diagram n.8

Quick Install I H_2O Stop Fast Connect: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately)

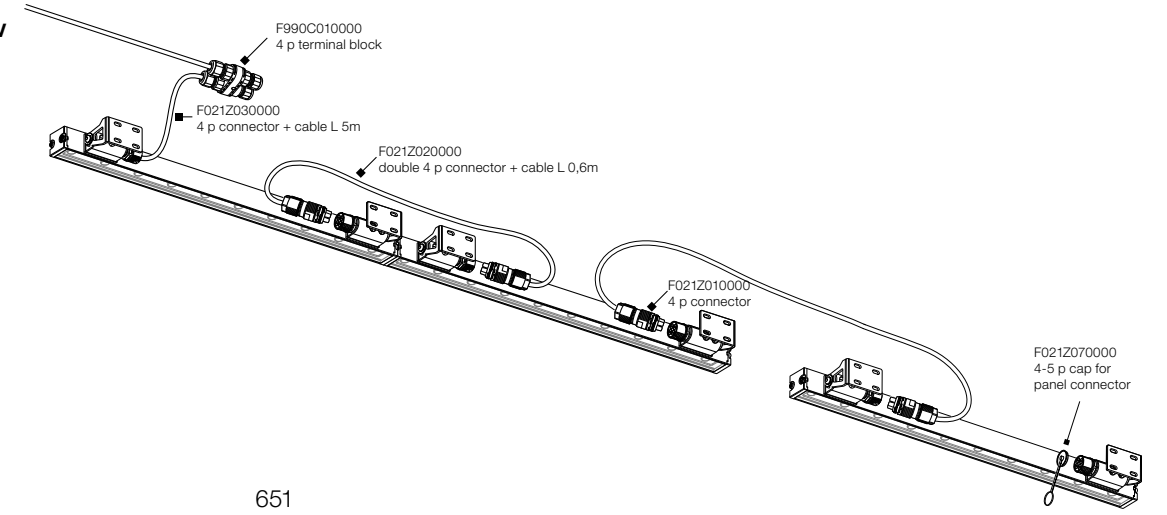
220-240V



Schema elettrico n.9 / Wiring diagram n.9

Continous Line I/O H_2O Stop Fast Connect: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately)

220-240V



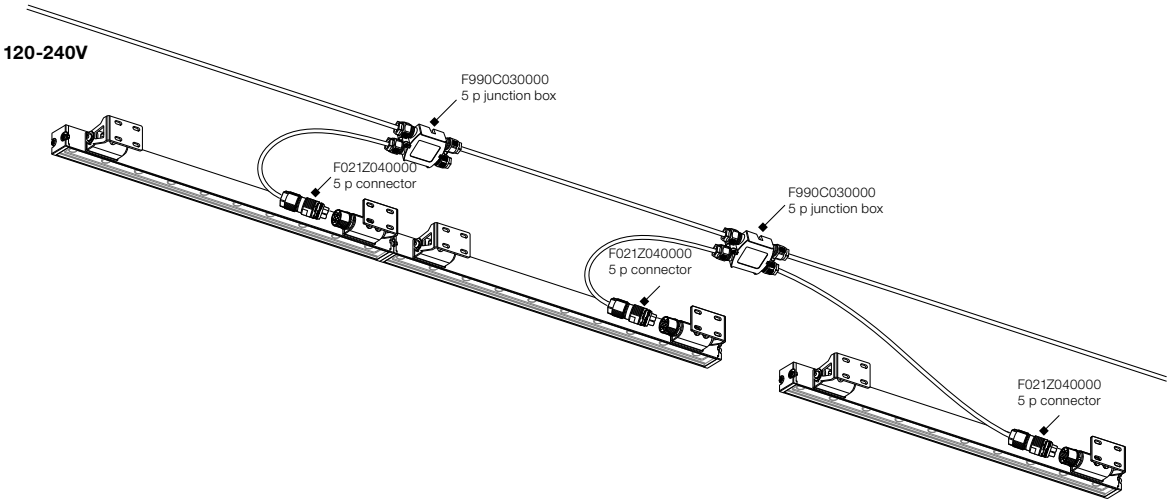
Outgraze 50

Standard Dimmable versions and Tunable White (120-240V) and Dimmable Easy versions

For Dimmable and Tunable White versions

Schema elettrico n.10 / Wiring diagram n.10

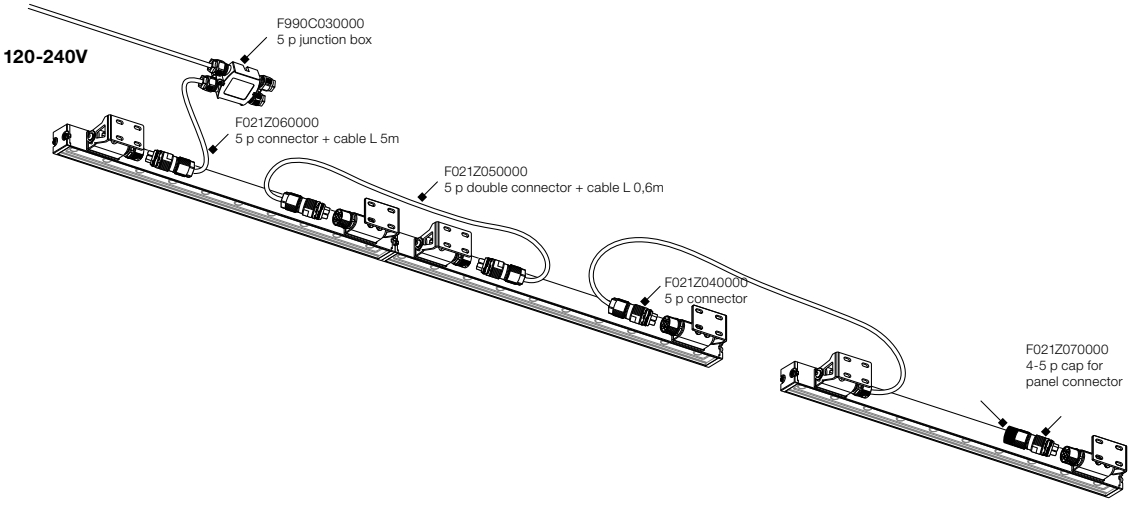
Quick Install I H_2O Stop: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately)



For Dimmable and Tunable White versions

Schema elettrico n.11 / Wiring diagram n.11

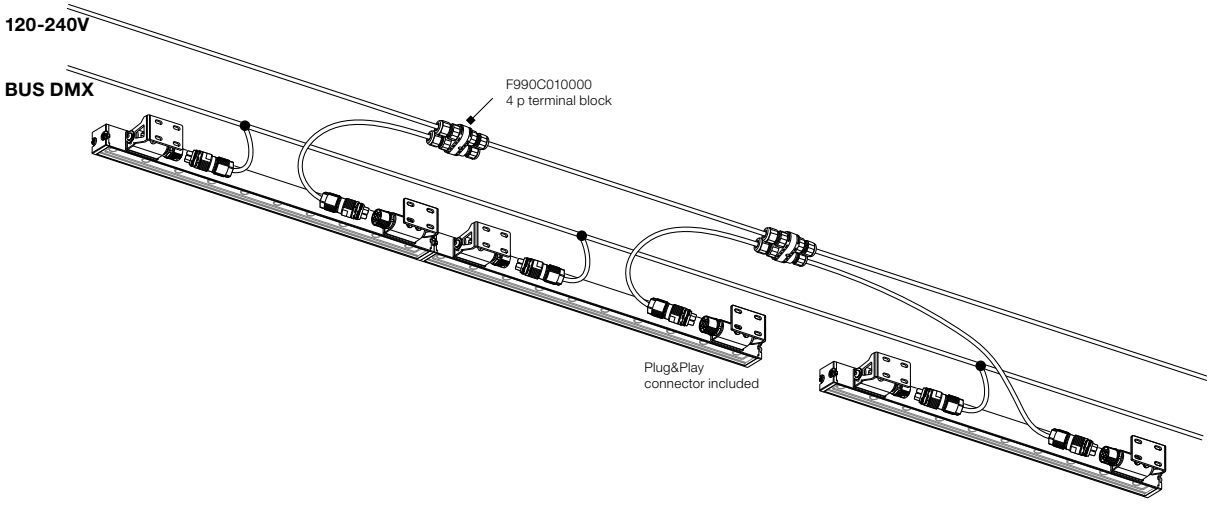
Continous Line I/O H_2O Stop Fast Connect: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately)



For RGB-RGBW versions

Schema elettrico n.12 / Wiring diagram n.12

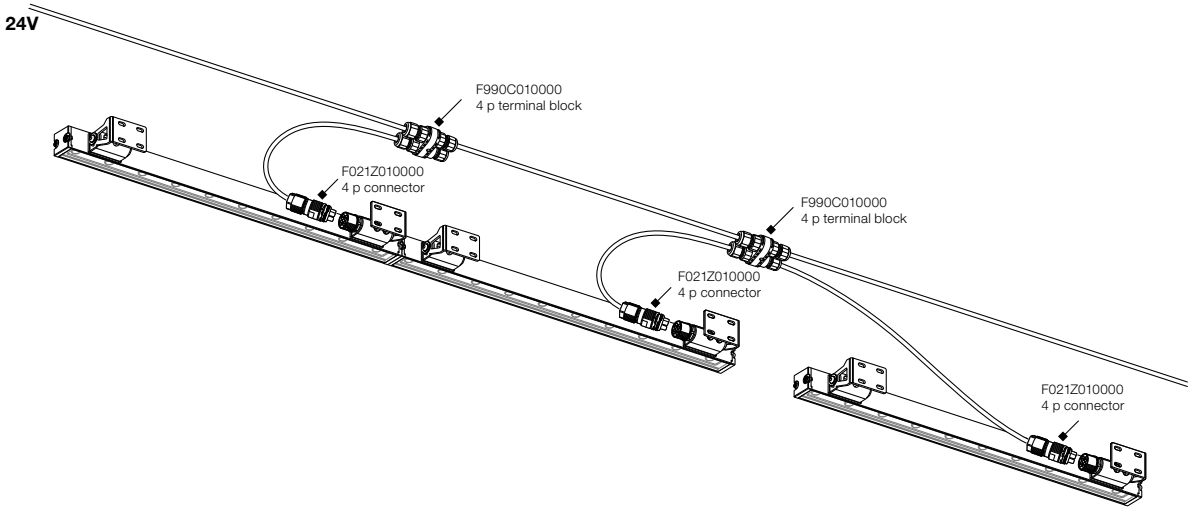
Connettori IP68 Plug&Play preinstallati / Prewired IP68 Plug&Play connectors



For Easy Tunable White versions

Schema elettrico n.13 / Wiring diagram n.13

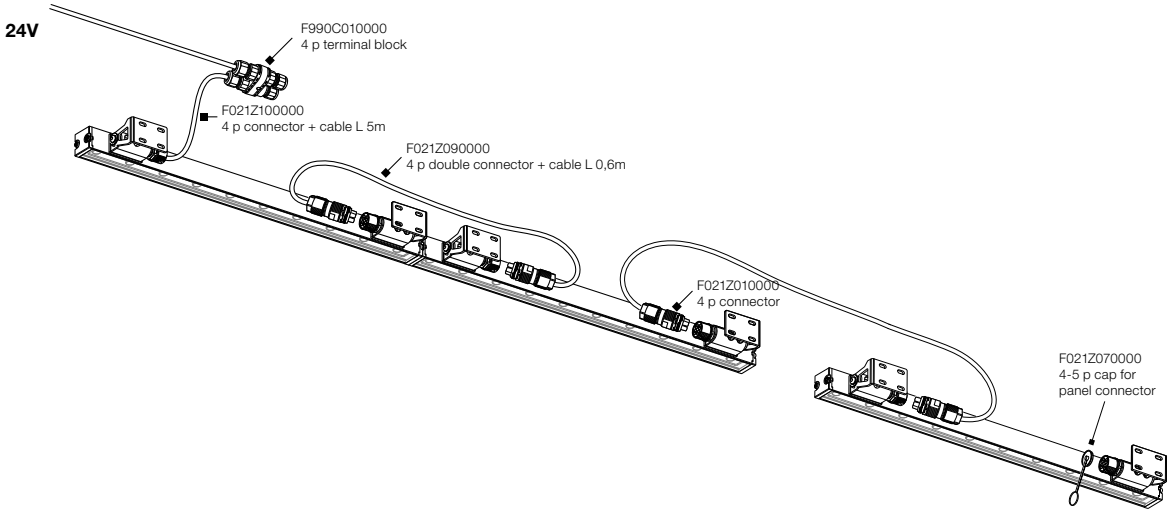
Quick Install I H_2O Stop Fast Connect: connettore H_2O Stop Plug&Play preinstallato per connessione rapida (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately)



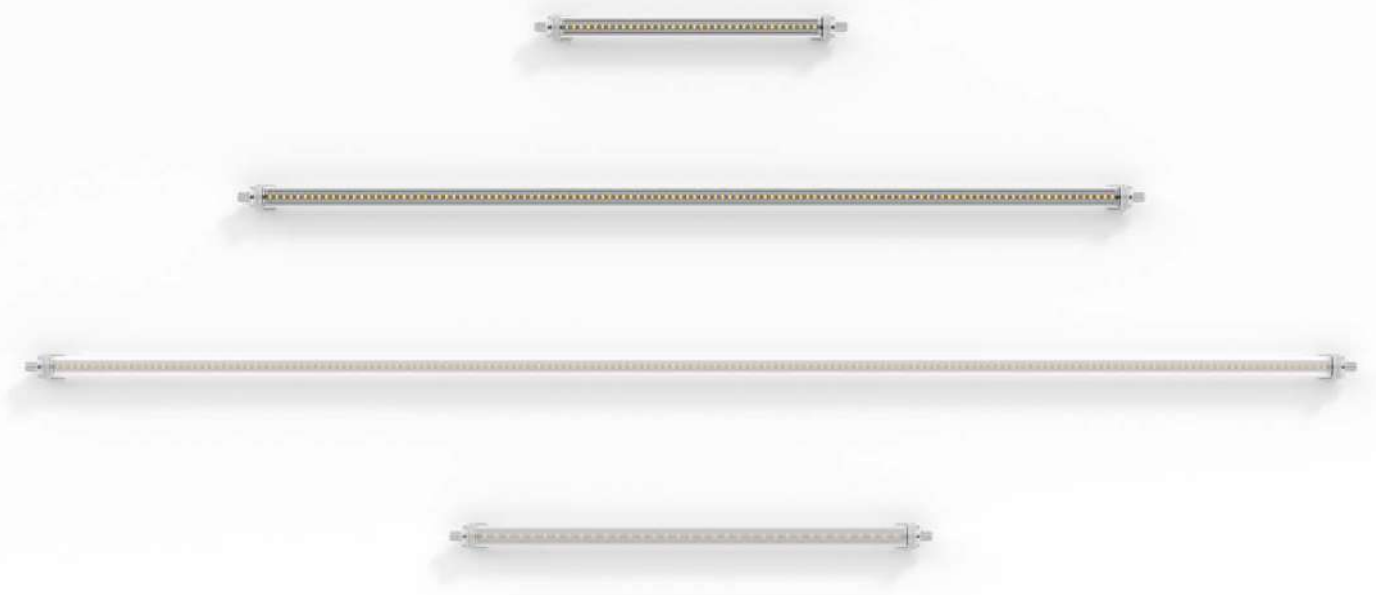
For Easy Tunable White versions

Schema elettrico n.14 / Wiring diagram n.14

Continous Line I/O H_2O Stop Fast Connect: connettori H_2O Stop Plug&Play preinstallati per connessione in linea (accessori per collegamento da ordinare) / Prewired H_2O Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately)



Tau







Tau L 354



Low Power Led
up to 3W
up to 231 lm - 2700K/CRI 80
up to 231 lm - 3000K/CRI 80
up to 231 lm - 4000K/CRI 80
* Net lumen output

Tau Opal L 354



Low Power Led
up to 3W
up to 118 lm - 2700K/CRI 80
up to 118 lm - 3000K/CRI 80
up to 118 lm - 4000K/CRI 80
* Net lumen output

Tau L 554



Low Power Led
up to 5W
up to 384 lm - 2700K/CRI 80
up to 384 lm - 3000K/CRI 80
up to 384 lm - 4000K/CRI 80
* Net lumen output

Tau Opal L 554



Low Power Led
up to 5W
up to 196 lm - 2700K/CRI 80
up to 196 lm - 3000K/CRI 80
up to 196 lm - 4000K/CRI 80
* Net lumen output

Tau L 1054



Low Power Led
up to 10W
up to 768 lm - 2700K/CRI 80
up to 768 lm - 3000K/CRI 80
up to 768 lm - 4000K/CRI 80
* Net lumen output

Tau Opal L 1054



Low Power Led
up to 10W
up to 392 lm - 2700K/CRI 80
up to 392 lm - 3000K/CRI 80
up to 392 lm - 4000K/CRI 80
* Net lumen output

Tau L 1554



Low Power Led
up to 15W
up to 1152 lm - 2700K/CRI 80
up to 1152 lm - 3000K/CRI 80
up to 1152 lm - 4000K/CRI 80
* Net lumen output

Tau Opal L 1554



Low Power Led
up to 15W
up to 589 lm - 2700K/CRI 80
up to 589 lm - 3000K/CRI 80
up to 589 lm - 4000K/CRI 80
* Net lumen output

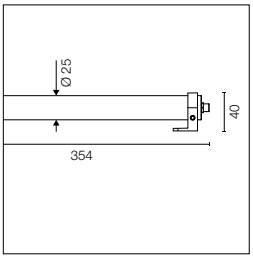
Descrizione / Description

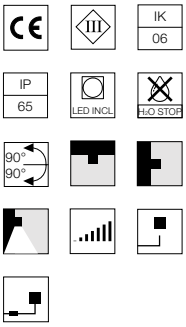
Apparecchio lineare per installazione a parete o a soffitto con sorgente luminosa a LED. Corpo dell'apparecchio composto da tubo in policarbonato con filtro anti-UV, disponibile in quattro lunghezze nelle finiture opale o trasparente. Staffe di fissaggio in policarbonato sabbiato e tappi di chiusura in alluminio anodizzato. Dotato di connettore a vite alle estremità del tubo che richiede l'uso di cavo di alimentazione da ordinare separatamente, disponibile come cavo di lunghezza 2m singolo per connessione diretta all'alimentatore o due cavi per connessione in sequenza, da 8cm o da 20 cm. La lunghezza massima di installazione in sequenza è di 5m. Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente.

Linear luminaire with LED light source, for installation on wall or ceiling. Polycarbonate tube structure with anti-UV filter. It is available in four lengths and opal or transparent finishes. Frosted polycarbonate fixing brackets and anodized aluminium closing caps. Equipped with screw connectors at the tube's ends which require the use of a feeding cable to be ordered separately. It is supplied with a 2 m cable for a direct connection to the power supply or two 8 cm or 20 cm cables for series connection. Maximum length for in series installation is 5 m. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

Tau L 354







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato trasparente.
Dimmerabile.

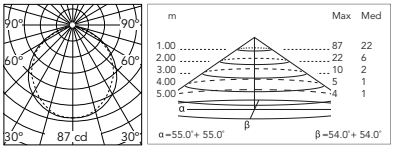
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 3W - 255 lm ≠ OUTPUT 231 lm - 2700K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 231 lm - 3000K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 231 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523203.A

3000K
FA523003.A

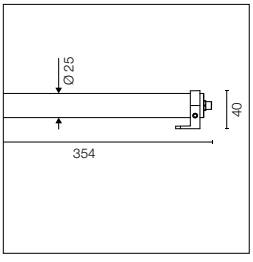
4000K
FA523002.A

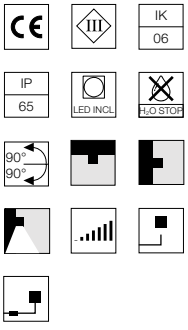


@ 4000K

Tau Opal L 354







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato opale.
Dimmerabile.

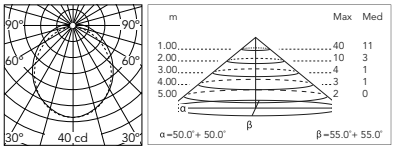
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately
Opal polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 3W - 255 lm ≠ OUTPUT 118 lm - 2700K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 118 lm - 3000K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 118 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523213

3000K
FA523013.A

4000K
FA523012.A



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

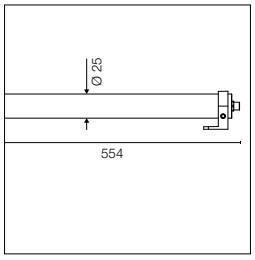
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

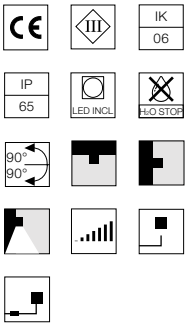
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	2
Acc. RF25748	2
Acc. RF25747	3
Acc. RF25757	3
Acc. RF25750	5
Acc. F990B21A000	5
Acc. RF26387.A	5
Acc. RF25752	6
Acc. F990B28A000	16
Acc. F990B27A000	22
Acc. F990B29A000	30

Tau L 554





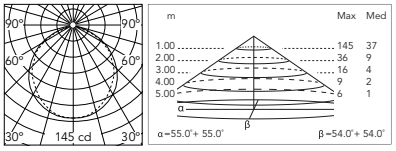


Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato trasparente.
Dimmerabile.

LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 5W - 420 lm ≠ OUTPUT 384 lm - 2700K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 384 lm - 3000K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 384 lm - 4000K/CRI 80 - 24Vdc

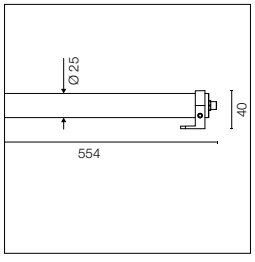
2700K	**3000K**	**4000K**
FA523223	FA523023.A	FA523022.A

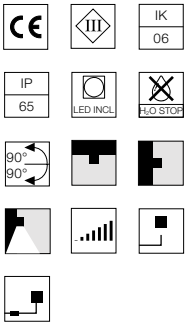


@ 4000K

Tau Opal L 554





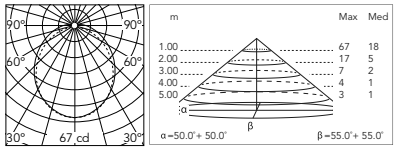


Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato opale.
Dimmerabile.

LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately
Opal polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 5W - 420 lm ≠ OUTPUT 196 lm - 2700K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 196 lm - 3000K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 196 lm - 4000K/CRI 80 - 24Vdc

2700K	**3000K**	**4000K**
FA523233	FA523033.A	FA523032.A



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

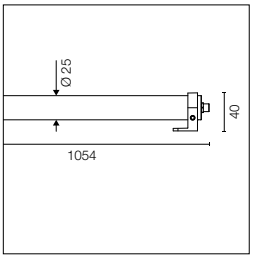
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

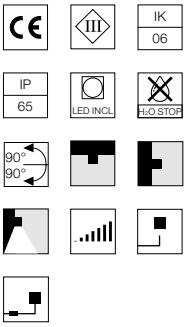
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF26387.A	3
Acc. RF25748	1	Acc. RF25752	4
Acc. RF25747	2	Acc. F990B28A000	10
Acc. RF25757	2	Acc. F990B27A000	14
Acc. RF25750	3	Acc. F990B29A000	18
Acc. F990B21A000	3		

Tau L 1054







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato trasparente.
Dimmerabile.

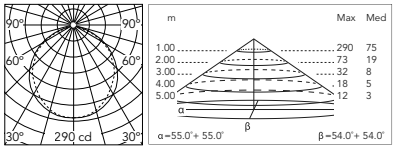
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 10W - 840 lm ≠ OUTPUT 768 lm - 2700K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 768 lm - 3000K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 768 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523243

3000K
FA523043.A

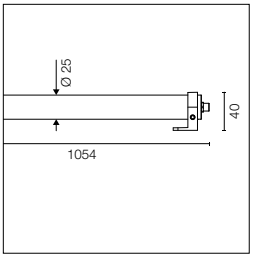
4000K
FA523042.A

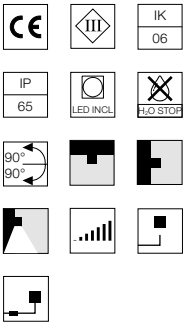


@ 4000K

Tau Opal L 1054







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato opale.
Dimmerabile.

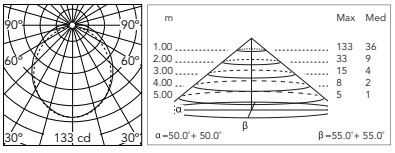
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately
Opal polycarbonate diffuser.
Adjustable light intensity.

Low - Power Led: 10W - 840 lm ≠ OUTPUT 393 lm - 2700K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 393 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523253.A

3000K
FA523053.A

4000K
FA523052.A



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

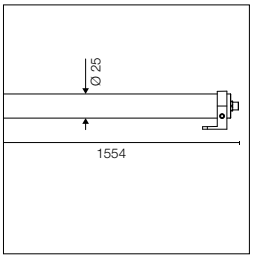
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

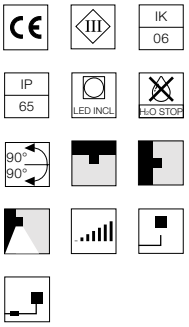
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25750	1
Acc. F990B21A000	1
Acc. RF26387.A	1
Acc. RF25752	2
Acc. F990B28A000	5
Acc. F990B27A000	7
Acc. F990B29A000	9

Tau L 1554







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato trasparente.
Dimmerabile.

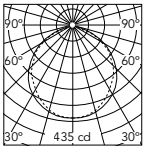
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

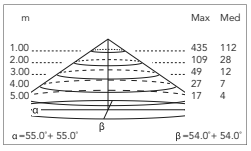
Low - Power Led: 15W - 1260 lm ≠ OUTPUT 1152 lm - 2700K/CRI 80 - 24Vdc / 15W - 1260 lm ≠ OUTPUT 1152 lm - 3000K/CRI 80 - 24Vdc / 15W - 41260 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523263

3000K
FA523063.A

4000K
FA523062.A

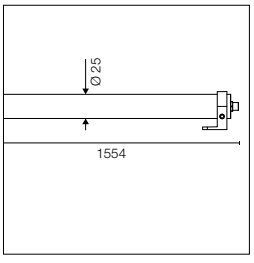


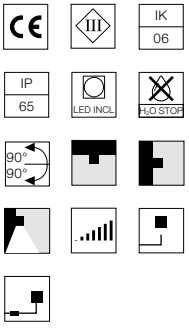


@ 4000K

Tau Opal L 1554







Sorgente a LED inclusa.
Connettore a vite alle estremità del tubo. Alimentazione elettrica remota 24Vdc e cavi di alimentazione singolo o in sequenza da ordinare separatamente.
Diffusore policarbonato opale.
Dimmerabile.

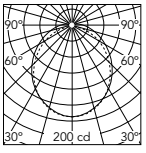
LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately
Opal polycarbonate diffuser.
Adjustable light intensity.

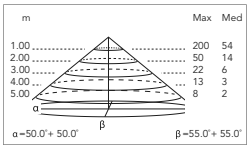
Low - Power Led: 15W - 1260 lm ≠ OUTPUT 589 lm - 2700K/CRI 80 - 24Vdc / 15W - 1260 lm ≠ OUTPUT 589 lm - 3000K/CRI 80 - 24Vdc / 15W - 41260 lm ≠ OUTPUT 589 lm - 4000K/CRI 80 - 24Vdc

2700K
FA523273

3000K
FA523073.A

4000K
FA523072.A





@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

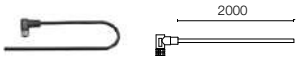
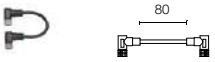
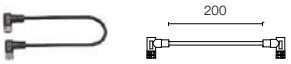
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

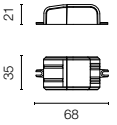
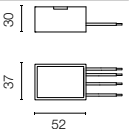
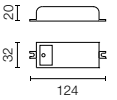
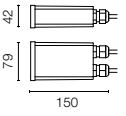
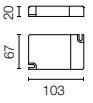
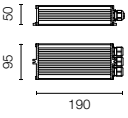
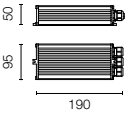
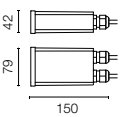
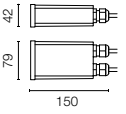
Acc. RF25750	1
Acc. F990B21A000	1
Acc. RF26387.A	1
Acc. RF25752	1

Acc. F990B28A000	3
Acc. F990B27A000	4
Acc. F990B29A000	6

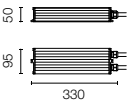
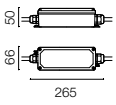
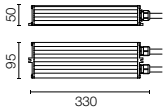
Tau: Accessori / Accessories

Cavo di alimentazione L.2000mm. Connettore singolo.	Supply cable L.2000mm Single connector.	FA172	
Cavo di alimentazione L.80mm. Connettore doppio.	Supply cable L.80mm Double connector.	FA173	
Cavo di alimentazione L.200mm. Connettore doppio.	Supply cable L.200mm Double connector.	FA174	

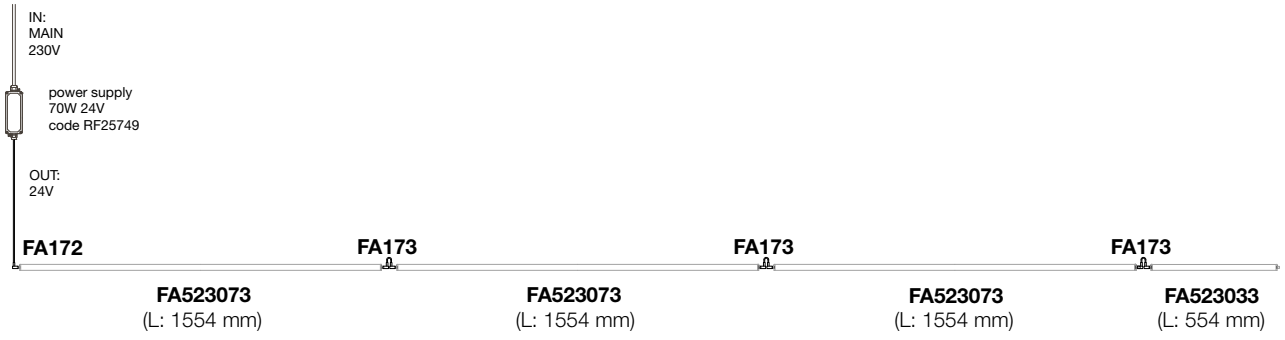
Tau: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	Tau L 554 *RF25754	 
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Tau L 554 *RF25748	 
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	Tau L 554 *RF25747	 
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	Tau L 554 *RF25757	 
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.	 
Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.	Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.	*F990B21A000 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.	 
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI See Wiring Diagram n.4. Page 830.	 
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752	 
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00	 

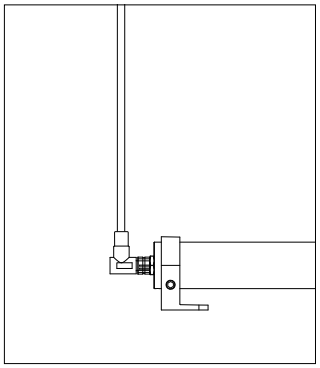
Tau: Driver / Drivers

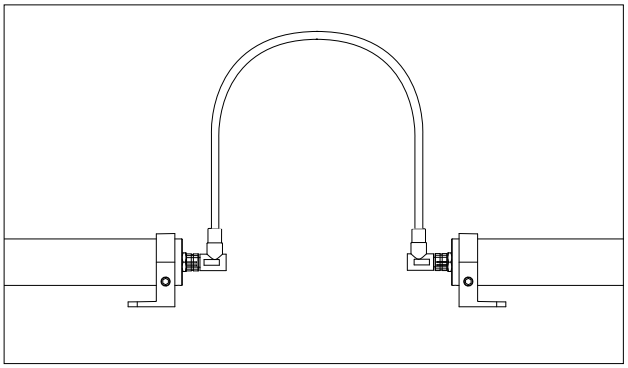
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		

Esempio di configurazione / Example of configuration

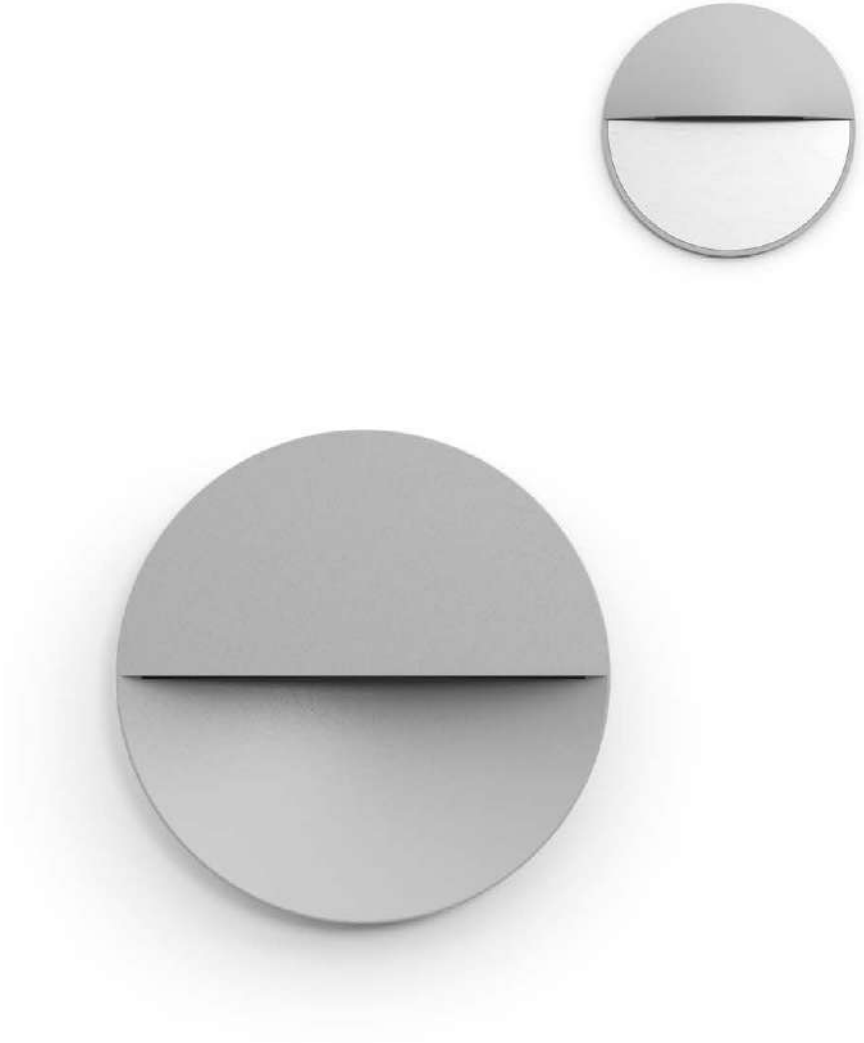


Massima lunghezza in fila continua 5mt / Max length in continuous 5mt


Acc. FA172


Acc. FA173

Eclipse



Eclipse





Famiglia / Family

Eclipse



Mid-Power Led
up to 10W
up to 387 lm - 2700K/CRI 80
up to 416 lm - 3000K/CRI 80
up to 437 lm - 4000K/CRI 80
* Net lumen output

Mid-Power Led
up to 7,5W
up to 387 lm - 2700K/CRI 80
up to 416 lm - 3000K/CRI 80
up to 437 lm - 4000K/CRI 80
* Net lumen output

Eclipse Mini



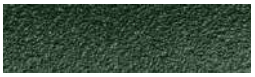
Low-Power Led
up to 1,8W
up to 45 lm - 2700K/CRI 80
up to 51 lm - 3000K/CRI 80
up to 55 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Descrizione / Description

Famiglia di apparecchi di illuminazione segnapasso a parete con sorgente luminosa a LED, caratterizzati dal ridotto spessore e dalla forma circolare declinata in due dimensioni. Disponibili in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Eclipse
Apparecchio circolare di diametro maggiore per installazione a parete. Disponibile in versione con alimentatore incorporato e versione con alimentatore remote a 24Vdc da ordinare separatamente. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame e diffusore in policarbonato trasparente sagomato. L'apparecchio è dotato di uno spezzone di cavo in neoprene per una facile connessione. Fissaggio diretto sulla superficie mediante la staffa in acciaio inox inclusa.

Eclipse Mini
Apparecchio circolare di diametro minore per installazione a parete. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame e diffusore in policarbonato trasparente sagomato. Schermo riflettente in alluminio satinato applicato mediante biadesivo in dotazione. L'apparecchio è dotato di uno spezzone di cavo in neoprene per una facile connessione.
Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente. Fissaggio diretto sulla superficie o mediante scatola da incasso da ordinare separatamente, compatibile con scatola elettrica 3 moduli 503, in cui è possibile anche alloggiare l'alimentatore remoto 24Vdc.

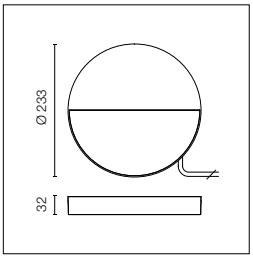
Family of wall mounted path lights with LED source. Defined by their reduced thickness and round shape. They're available in two dimensions and different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

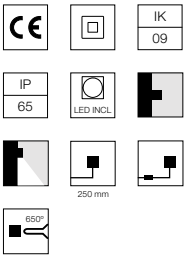
Eclipse
Big round luminaire for wall mounting. Available with integrated power supply or remote 24V dc power supply that needs to be ordered separately. EN AB-47100 die cast aluminum body (with low copper content) and transparent profiled polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. Direct attachment on the surface with an included stainless steel bracket.

Eclipse Mini
Small round luminaire for wall mounting. EN AB-47100 die cast aluminum body (with low copper content) and transparent profiled polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. The 24V dc luminaire needs a remote power supply that needs to be ordered separately. Direct attachment on the surface or with a recessed box that needs to be ordered separately. Compatible with the three-module electrical junction box, model 503, where the remote 24V dc power supply can be installed.

Eclipse





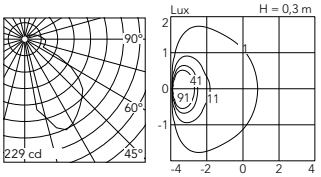


Eclipse 230V
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna.

Eclipse 230V
LED source included. Electrical power supply 220-240 ON/ OFF. Equipped with a 200mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.

Mid - Power Led: 10W - 739 lm ≠ OUTPUT 387 lm - 2700K/CRI 80 - 220÷240V / 10W - 795 lm ≠ OUTPUT 416 lm - 3000K/CRI 80 - 220÷240V / 10W - 835 lm ≠ OUTPUT 437 lm - 4000K/CRI 80 - 220÷240V

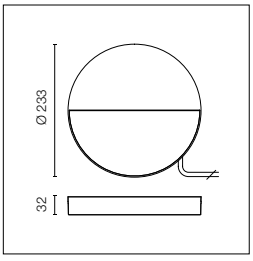
2700K	3000K	4000K
○ FA54200701	○ FA54200301	○ FA54200201
● FA54200706	● FA54200306	● FA54200206
● FA54200712	● FA54200312	● FA54200212
● FA54200718	● FA54200318	● FA54200218
● FA54200730	● FA54200330	● FA54200230
● FA54200733	● FA54200333	● FA54200233

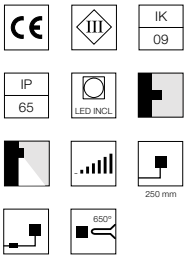


@ 4000K

Eclipse





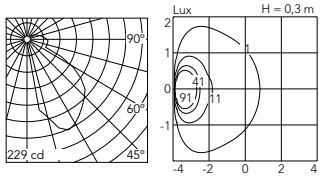


Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 300 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Dimmerabile.

LED source included. Remote electrical power supply 24V dc to be ordered separately. Equipped with a 300mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Dimmable.

Mid - Power Led: 7,5W - 739 lm ≠ OUTPUT 387 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 795 lm ≠ OUTPUT 416 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 835 lm ≠ OUTPUT 437 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA54200901	○ FA54200601	○ FA54200501
● FA54200906	● FA54200606	● FA54200506
● FA54200912	● FA54200612	● FA54200512
● FA54200918	● FA54200618	● FA54200518
● FA54200930	● FA54200630	● FA54200530
● FA54200933	● FA54200633	● FA54200533



@ 4000K

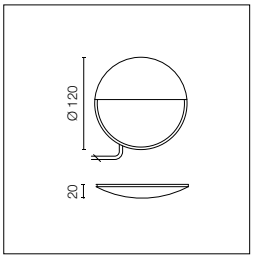
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

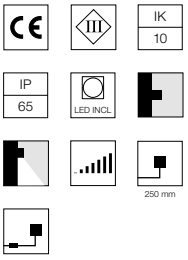
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1	Acc. RF25752	2
Acc. RF25757	1	Acc. F990B28A000	6
Acc. RF25750	2	Acc. F990B27A000	9
Acc. F990B21A000	2	Acc. F990B29A000	12
Acc. RF26387.A	2		







Sorgente a LED inclusa. Completo di schermo riflettente. Alimentazione elettrica remota 24V dc da ordinare separatamente. Cassaforma opzionale da ordinare separatamente (scatola elettrica 3 moduli 503). Dotato di spezzone di cavo uscente in neoprene 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Dimmerabile.

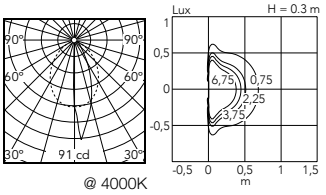
2200K disponibile su richiesta.

LED source included. Completed with a reflective screen. Remote electrical power supply 24V dc to be ordered separately. Optional electrical junction box (three modules, model 503) to be ordered separately. Equipped with a 250 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Dimmable.

2200K available on request.

Low - Power Led: 1,8W - 187 lm ≠ OUTPUT 45 lm - 2700K/CRI 80 - 24Vdc / 1,8W - 212 lm ≠ OUTPUT 51 lm - 3000K/CRI 80 - 24Vdc / 1,8W - 227 lm ≠ OUTPUT 55 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA52600501.A	○ FA52600301.A	○ FA52600201.A
● FA52600506.A	● FA52600306.A	● FA52600206.A
● FA52600512.A	● FA52600312.A	● FA52600212.A
● FA52600518.A	● FA52600318.A	● FA52600218.A
● FA52600530.A	● FA52600330.A	● FA52600230.A
● FA52600533.A	● FA52600333.A	● FA52600233.A



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	3	Acc. RF26387.A	9
Acc. RF25748	3	Acc. RF25752	9
Acc. RF25747	5	Acc. F990B28A000	25
Acc. RF25757	5	Acc. F990B27A000	30
Acc. RF25750	8	Acc. F990B29A000	45
Acc. F990B21A000	8		

Eclipse: Accessori / Accessories

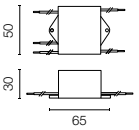
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

Eclipse

F990E00A000





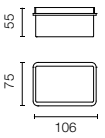
Scatola di derivazione da incasso 3 moduli (modello 503)

Recessed 3-module junction box (model 503)

Eclipse Mini

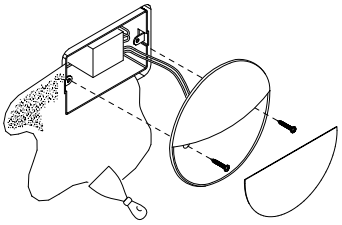
F990H010000





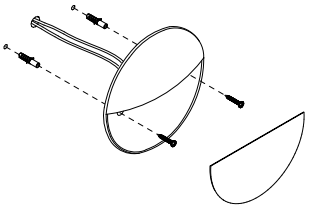
Recessed installation Eclipse Mini

Opzionale:
Alimentatore art. RF25748.

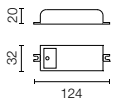
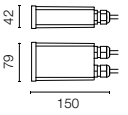
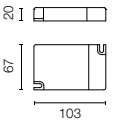
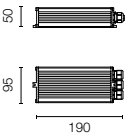
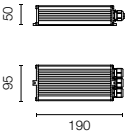
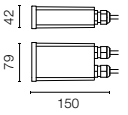
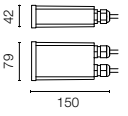
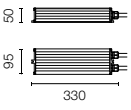
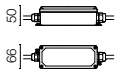
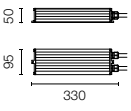
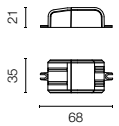
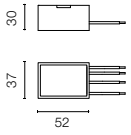


Wall installation Eclipse Mini

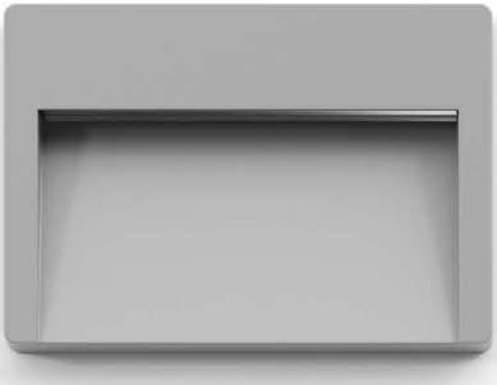
Optional:
Power supply code RF25748.



Eclipse: Driver/ Drivers

Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.		
Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.	Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.	*F990B21A000 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI See Wiring Diagram n.4. Page 830.		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		
Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	Eclipse Mini *RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Eclipse Mini *RF25748		

Hyperion











Hyperion

Famiglia / Family

Hyperion



Mid-Power Led
up to 10W
up to 401 lm - 2700K/CRI 80
up to 428 lm - 3000K/CRI 80
up to 442 lm - 4000K/CRI 80
* Net lumen output

Mid-Power Led
up to 7,5W
up to 370 lm - 2700K/CRI 80
up to 398 lm - 3000K/CRI 80
up to 418 lm - 4000K/CRI 80
* Net lumen output

Hyperion Mini



Low-Power Led
up to 1,9W
up to 57 lm - 2700K/CRI 80
up to 61 lm - 3000K/CRI 80
up to 64 lm - 4000K/CRI 80
* Net lumen output

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Famiglia di apparecchi di illuminazione segnapasso a parete con sorgente luminosa a LED, caratterizzati dal ridotto spessore e dalla forma rettangolare declinata in due dimensioni. Disponibili in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Hyperion
Apparecchio rettangolare di dimensione maggiore dal ridotto spessore per installazione a parete. Disponibile in versione con alimentatore incorporato e versione con alimentatore remote a 24Vdc da ordinare separatamente. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame e diffusore in policarbonato trasparente sagomato. L'apparecchio è dotato di uno spezzone di cavo in neoprene per una facile connessione. Fissaggio diretto sulla superficie mediante la staffa in acciaio inox inclusa.
Disponibili accessori opzionali riflettore e palo. Il riflettore in alluminio satinato garantisce un aumento del flusso emesso di circa 20% e viene fissato al corpo mediante biadesivo in dotazione. Il palo estruso viene utilizzato per il posizionamento dell'apparecchio come bollard. Il palo può essere installato facilmente a terra su qualsiasi pavimento con tasselli, oppure utilizzando l'accessorio dedicato piastra di ancoraggio e tirafondi per rendere la base del prodotto totalmente solidale con la pavimentazione.

Hyperion Mini
Apparecchio rettangolare di dimensione minore per installazione a parete. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame e diffusore in policarbonato trasparente sagomato. Schermo riflettente in alluminio satinato applicato mediante biadesivo in dotazione. L'apparecchio è dotato di uno spezzone di cavo in neoprene per una facile connessione.
Apparecchio in 24V dc, necessita di alimentatore remoto da ordinare separatamente. Fissaggio diretto sulla superficie o mediante scatola da incasso da ordinare separatamente, compatibile con scatola elettrica 3 moduli 503, in cui è possibile anche alloggiare l'alimentatore remoto 24Vdc.

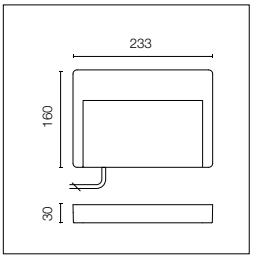
Family of wall mounted path lights with LED source. Defined by their reduced thickness and rectangular shape. They're available in two dimensions and different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

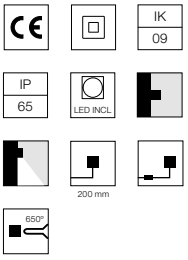
Hyperion
Big rectangular luminaire with reduced thickness for wall mounting. Available with integrated power supply or remote 24V dc power supply that needs to be ordered separately. EN AB-47100 die cast aluminum body (with low copper content) and transparent molded polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. Direct attachment on the surface with an included stainless steel bracket. Optional accessories available: reflector and post. The satin aluminum reflector increases the luminous flux by approximately 20% and is attached to the body with the double-sided adhesive provided. The extruded post is used to install the luminaire as a bollard. The post is easily installed on any floor surface by means of dowels or the specific accessory anchor plate and lag screws that secure the luminaire solidly to the pavement.

Hyperion Mini
Small rectangular luminaire for wall mounting. EN AB-47100 die cast aluminum body (with low copper content) and transparent molded polycarbonate diffuser. Reflective satin aluminum screen that is attached with the double-sided adhesive provided. With a neoprene cable section to ease the connection. The 24V luminaire needs a remote power supply that needs to be ordered separately. Direct attachment on the surface or with a recessed box that needs to be ordered separately. Compatible with the three module electrical junction box, model 503, where the remote 24V dc power supply can be installed.

Hyperion





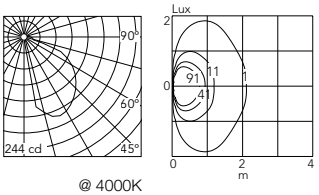


Hyperion 230V.
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF. Dotato di spezzone di cavo uscente in neoprene 200 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: riflettore in alluminio satinato per aumento del flusso; palo estruso h 500 mm per versione bollard. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.

Hyperion 230V.
LED source included. Electrical power supply 220-240V ON/ OFF. Equipped with a 200 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: satin aluminum reflector to increase the luminous flux; 500mm tall, extruded post for the bollard version. Anchor plate to be recessed with mortar needs to be ordered separately.

Mid - Power Led: 10W - 739 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 - 220÷240V / 10W - 795 lm ≠ OUTPUT 428 lm - 3000K/CRI 80 - 220÷240V / 10W - 835 lm ≠ OUTPUT 442 lm - 4000K/CRI 80 - 220÷240V

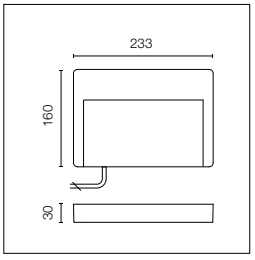
2700K	3000K	4000K
○ FA52700501	○ FA52700301	○ FA52700201
● FA52700506	● FA52700306	● FA52700206
● FA52700512	● FA52700312	● FA52700212
● FA52700518	● FA52700318	● FA52700218
● FA52700530	● FA52700330	● FA52700230
● FA52700533	● FA52700333	● FA52700233

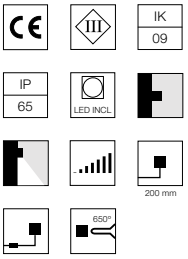


@ 4000K

Hyperion





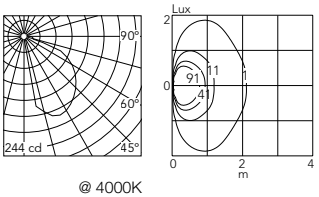


Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene 300 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: riflettore in alluminio satinato per aumento del flusso; palo estruso h 500 mm per versione bollard. Piastra di ancoraggio per l'installazione in gettata da ordinare separatamente.
Dimmerabile.

LED source included. Remote electrical power supply 24V dc to be ordered separately. Equipped with a 300 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: satin aluminum reflector to increase the luminous flux; 500mm tall, extruded post for the bollard version. Anchor plate to be recessed with mortar needs to be ordered separately.
Dimmable.

Mid - Power Led: 7,5W - 739 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 795 lm ≠ OUTPUT 428 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 835 lm ≠ OUTPUT 442 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA52701501	○ FA52701301	○ FA52701201
● FA52701506	● FA52701306	● FA52701206
● FA52701512	● FA52701312	● FA52701212
● FA52701518	● FA52701318	● FA52701218
● FA52701530	● FA52701330	● FA52701230
● FA52701533	● FA52701333	● FA52701233



@ 4000K

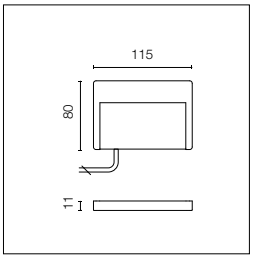
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

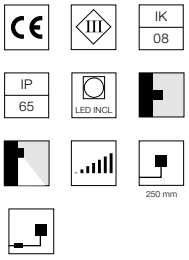
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25747	1	Acc. RF25752	2
Acc. RF25757	1	Acc. F990B28A000	6
Acc. RF25750	2	Acc. F990B27A000	9
Acc. F990B21A000	2	Acc. F990B29A000	12
Acc. RF26387.A	2		







Sorgente a LED inclusa. Completo di schermo riflettente. Alimentazione elettrica remota 24V dc da ordinare separatamente. Cassaforma opzionale da ordinare separatamente (scatola elettrica 3 moduli 503). Dotato di spezzone di cavo uscente in neoprene 250 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Dimmerabile.

LED source included. Completed with a reflective screen. Remote electrical power supply 24V dc to be ordered separately. Optional junction box to be ordered separately (3 module electrical box, model 503). Equipped with a 250 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.
Dimmable.

Low - Power Led: 1,9W - 139 lm ≠ OUTPUT 57 lm - 2700K/CRI 80 - 24Vdc / 1,9W - 149 lm ≠ OUTPUT 61 lm - 3000K/CRI 80 - 24Vdc / 1,9W - 156 lm ≠ OUTPUT 64 lm - 4000K/CRI 80 - 24Vdc

2700K

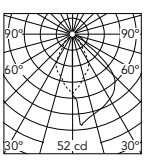
- ○ FA102960001
- ● FA102960006
- ● FA102960012
- ● FA102960018
- ● FA102960030
- ● FA102960033

3000K

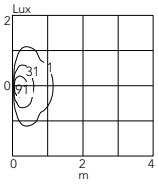
- ○ FA102950001
- ● FA102950006
- ● FA102950012
- ● FA102950018
- ● FA102950030
- ● FA102950033

4000K

- ○ FA1022290001
- ● FA1022290006
- ● FA1022290012
- ● FA1022290018
- ● FA1022290030
- ● FA1022290033



@ 4000K



* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	3
Acc. RF25748	3
Acc. RF25747	5
Acc. RF25757	5
Acc. RF25750	8
Acc. F990B21A000	8

Acc. RF26387.A	9
Acc. RF25752	9
Acc. F990B28A000	25
Acc. F990B27A000	30
Acc. F990B29A000	45

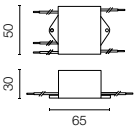
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

Hyperion

F990E00A000



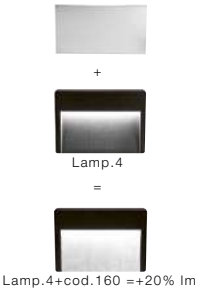


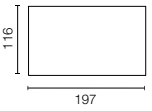
Carter in alluminio satinato spessore 0.5mm.

Satin aluminium carter Thickness 0.5mm.

Hyperion

FA160





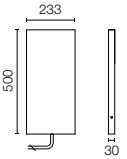
Palo estruso per utilizzo come bollard.
Fissaggio diretto con tasselli o con accessorio opzionale piastra tirafondi.

Use of the extruded support as bollard. Direct fixing using studs or a base plate and fixing bolts (optional accessory).

H 500 mm

- ○ FA24501
- FA24506
- FA24512
- FA24518
- FA24530
- FA24533





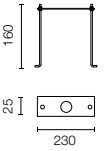
Piastra tirafondi.

Base plate with bolt.

Hyperion

FA247





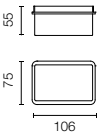
Scatola di derivazione da incasso 3 moduli (modello 503)

Recessed 3-module junction box (model 503)

Hyperion Mini

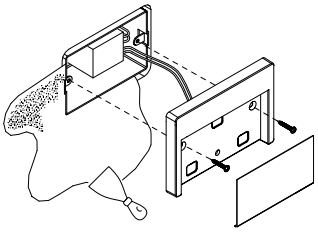
F990H010000





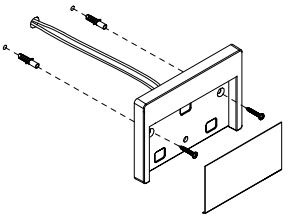
Recessed installation

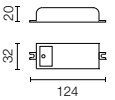
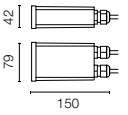
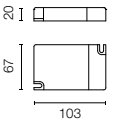
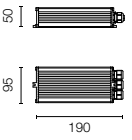
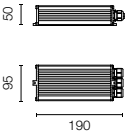
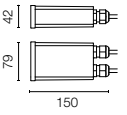
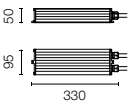
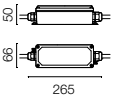
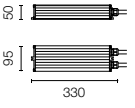
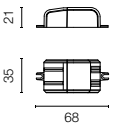
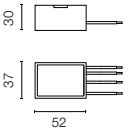
Opzionale:
Alimentatore art. RF25748.



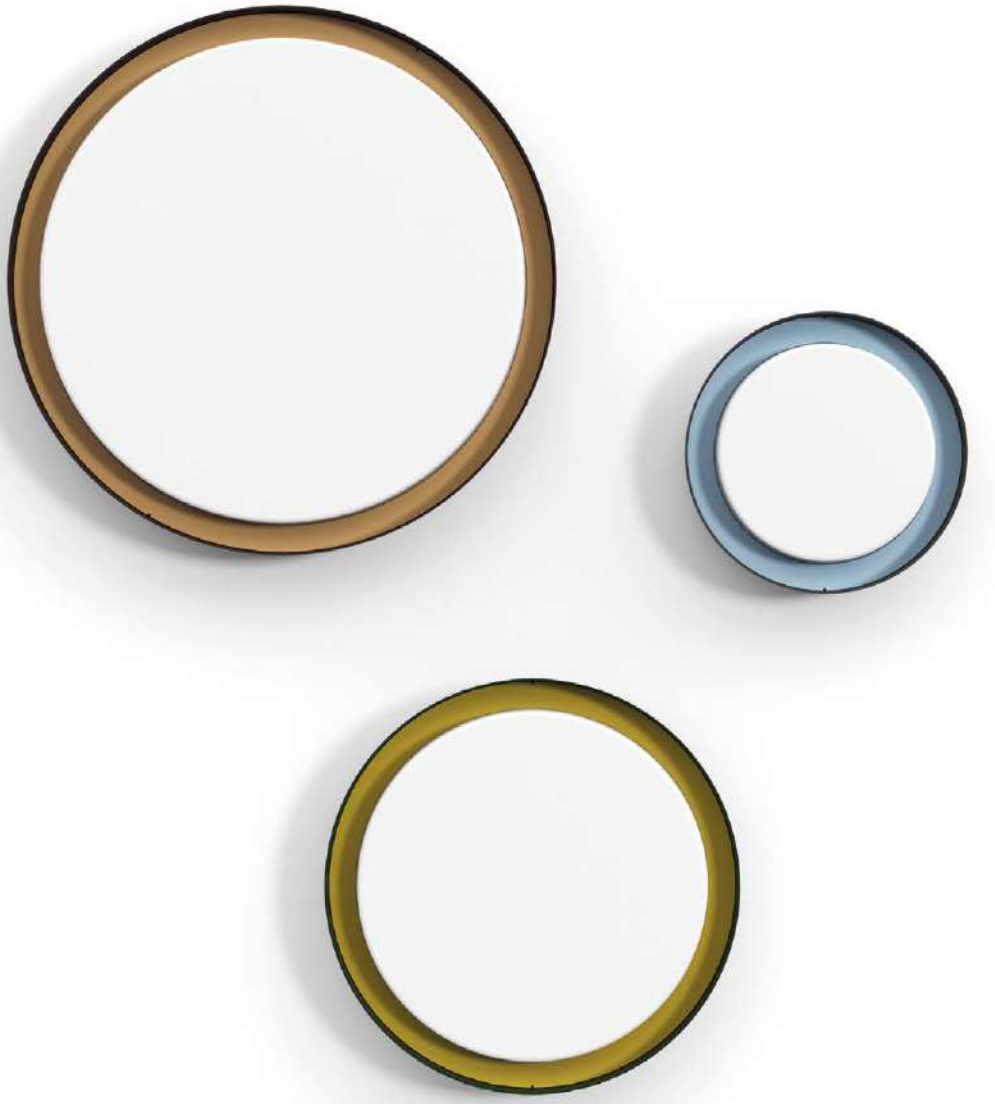
Wall installation

Optional:
Power supply code RF25748.



Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	*RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	*RF25757		
Alimentatore per installazione remota 24Vdc 17W / 110-240V (15W@110V) IP20 Classe II selv.	Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv.	*RF25750 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.		
Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv.	Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv.	*F990B21A000 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.4. Page 830.		
Alimentatore per installazione remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv.	*RF26387.A Dimmable DALI See Wiring Diagram n.4. Page 830.		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	*RF25752		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		
Alimentatore per installazione remota 24Vdc 96W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv.	*F990B29A000		
Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	Hyperion Mini *RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Hyperion Mini *RF25748		

Platter



Platter









Famiglia / Family

Platter 410



Mid-Power Led
up to 34W
up to 2345 lm - 2700K/CRI 80
up to 2521 lm - 3000K/CRI 80
up to 2712 lm - 4000K/CRI 80
* Net lumen output

Platter 310



Mid-Power Led
up to 18W
up to 1150 lm - 2700K/CRI 80
up to 1237 lm - 3000K/CRI 80
up to 1330 lm - 4000K/CRI 80
* Net lumen output

Platter 210



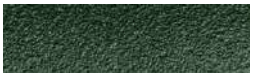
Mid-Power Led
up to 11W
up to 732 lm - 2700K/CRI 80
up to 787 lm - 3000K/CRI 80
up to 812 lm - 4000K/CRI 80
* Net lumen output

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite



Grey / Brown Brick



Anthracite / Pale Blue



Deep Brown / Pale Brown



Forest Green / Olive Green

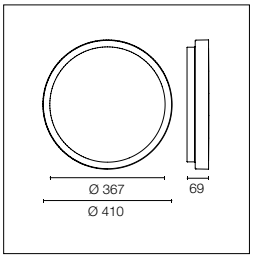
Descrizione / Description

Famiglia di apparecchi di illuminazione per installazione a parete e soffitto, caratterizzati dalla forma circolare declinata in tre dimensioni. Il diffusore in materiale plastico opalino garantisce una elevata uniformità di emissione luminosa. Piastra di fissaggio posteriore in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame), struttura e dissipatore del calore in alluminio tornito. Cornice estetica di chiusura magnetica per nascondere le viti di fissaggio, in acciaio inox AISI 316L. Disponibili in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione.

Family of wall or ceiling mounted luminaires. Defined by their round shape. Available in three dimensions. Diffuser made of opal plastic material that guarantees high uniformity in light emission. EN AB-47100 die-cast mounting plate (with low copper content), turned aluminum structure and heat sinks. Magnetic closing frame to hide the AISI 316L stainless steel fixing screws. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance.

Platter 410





IK 10

IP 66

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53305201
- FA53305206
- FA53305212
- FA53305218
- FA53305230
- FA53305233

1-10V
- FA53305201-310
- FA53305206-310
- FA53305212-310
- FA53305218-310
- FA53305230-310
- FA53305233-310

Dali
- FA53305201-300
- FA53305206-300
- FA53305212-300
- FA53305218-300
- FA53305230-300
- FA53305233-300

3000K

Non Dimmable
- FA53302201
- FA53302206
- FA53302212
- FA53302218
- FA53302230
- FA53302233

1-10V
- FA53302201-310
- FA53302206-310
- FA53302212-310
- FA53302218-310
- FA53302230-310
- FA53302233-310

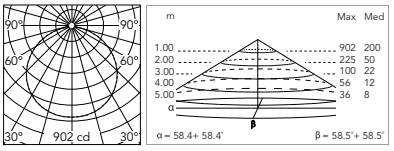
Dali
- FA53302201-300
- FA53302206-300
- FA53302212-300
- FA53302218-300
- FA53302230-300
- FA53302233-300

4000K

Non Dimmable
- FA53302101
- FA53302106
- FA53302112
- FA53302118
- FA53302130
- FA53302133

1-10V
- FA53302101-310
- FA53302106-310
- FA53302112-310
- FA53302118-310
- FA53302130-310
- FA53302133-310

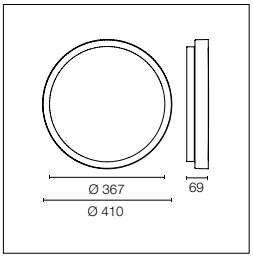
Dali
- FA53302101-300
- FA53302106-300
- FA53302112-300
- FA53302118-300
- FA53302130-300
- FA53302133-300



@ 4000K

Platter 410 Grey / Brown Brick





IK 10

IP 66

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA533421

1-10V
- FA533421-310

Dali
- FA533421-300

3000K

Non Dimmable
- FA533431

1-10V
- FA533431-310

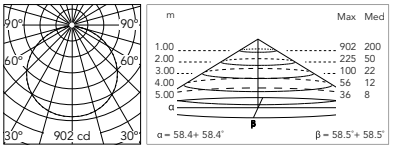
Dali
- FA533431-300

4000K

Non Dimmable
- FA533441

1-10V
- FA533441-310

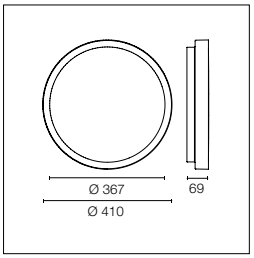
Dali
- FA533441-300



@ 4000K

Platter 410 Anthracite / Pale Blue





IK 10

IP 66

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

2700K

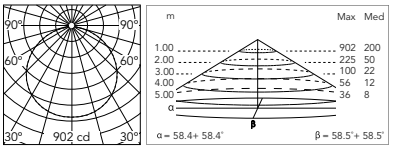
Non Dimmable
FA533422
1-10V
FA533422-310
Dali
FA533422-300

3000K

Non Dimmable
FA533432
1-10V
FA533432-310
Dali
FA533432-300

4000K

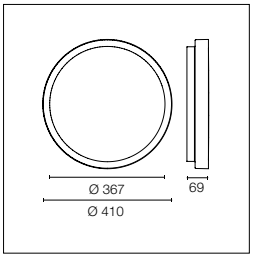
Non Dimmable
FA533442
1-10V
FA533442-310
Dali
FA533442-300



@ 4000K

Platter 410 Deep Brown / Pale Brown





IK 10

IP 66

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

2700K

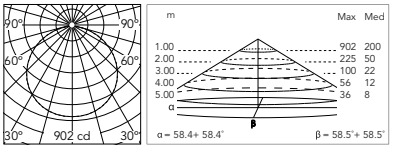
Non Dimmable
FA533423
1-10V
FA533423-310
Dali
FA533423-300

3000K

Non Dimmable
FA533433
1-10V
FA533433-310
Dali
FA533433-300

4000K

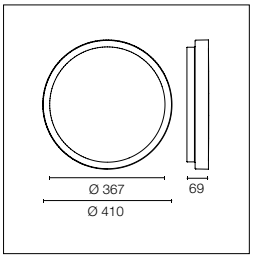
Non Dimmable
FA533443
1-10V
FA533443-310
Dali
FA533443-300



@ 4000K

Platter 410 Forest Green / Olive Green





IK 10

IP 66

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

2700K

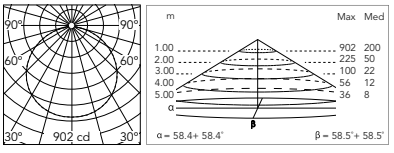
Non Dimmable
FA533424
1-10V
FA533424-310
Dali
FA533424-300

3000K

Non Dimmable
FA533434
1-10V
FA533434-310
Dali
FA533434-300

4000K

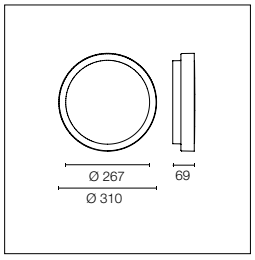
Non Dimmable
FA533444
1-10V
FA533444-310
Dali
FA533444-300



@ 4000K

Platter 310





IP 66 IK 10

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53305101
- FA53305106
- FA53305112
- FA53305118
- FA53305130
- FA53305133

1-10V
- FA53305101-310
- FA53305106-310
- FA53305112-310
- FA53305118-310
- FA53305130-310
- FA53305133-310

Dali
- FA53305101-300
- FA53305106-300
- FA53305112-300
- FA53305118-300
- FA53305130-300
- FA53305133-300

3000K

Non Dimmable
- FA53301201
- FA53301206
- FA53301212
- FA53301218
- FA53301230
- FA53301233

1-10V
- FA53301201-310
- FA53301206-310
- FA53301212-310
- FA53301218-310
- FA53301230-310
- FA53301233-310

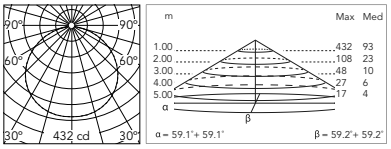
Dali
- FA53301201-300
- FA53301206-300
- FA53301212-300
- FA53301218-300
- FA53301230-300
- FA53301233-300

4000K

Non Dimmable
- FA53301101
- FA53301106
- FA53301112
- FA53301118
- FA53301130
- FA53301133

1-10V
- FA53301101-310
- FA53301106-310
- FA53301112-310
- FA53301118-310
- FA53301130-310
- FA53301133-310

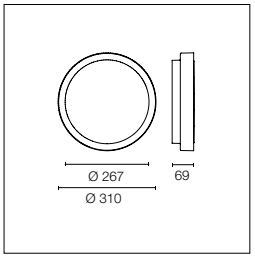
Dali
- FA53301101-300
- FA53301106-300
- FA53301112-300
- FA53301118-300
- FA53301130-300
- FA53301133-300



@ 4000K

Platter 310 Grey / Brown Brick





IP 66 IK 10

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA533321

1-10V
- FA533321-310

Dali
- FA533321-300

3000K

Non Dimmable
- FA533331

1-10V
- FA533331-310

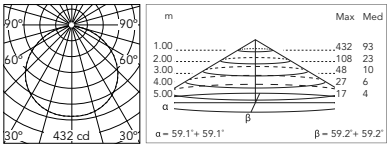
Dali
- FA533331-300

4000K

Non Dimmable
- FA533341

1-10V
- FA533341-310

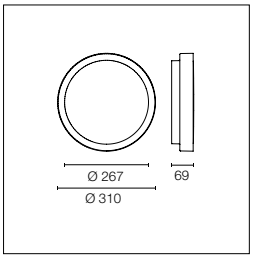
Dali
- FA533341-300

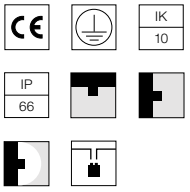


@ 4000K

Platter 310 Anthracite / Pale Blue







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

2700K

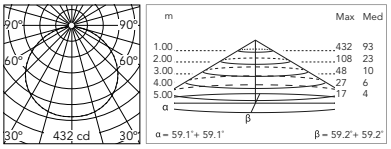
Non Dimmable
FA533322
1-10V
FA533322-310
Dali
FA533322-300

3000K

Non Dimmable
FA533332
1-10V
FA533332-310
Dali
FA533332-300

4000K

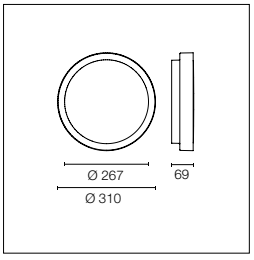
Non Dimmable
FA533342
1-10V
FA533342-310
Dali
FA533342-300

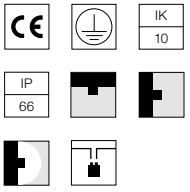


@ 4000K

Platter 310 Deep Brown / Pale Brown







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

2700K

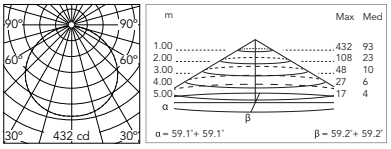
Non Dimmable
FA533323
1-10V
FA533323-310
Dali
FA533323-300

3000K

Non Dimmable
FA533333
1-10V
FA533333-310
Dali
FA533333-300

4000K

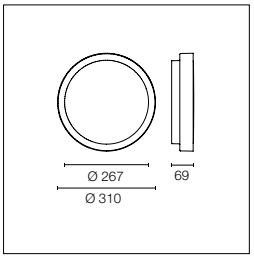
Non Dimmable
FA533343
1-10V
FA533343-310
Dali
FA533343-300

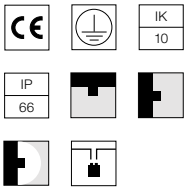


@ 4000K

Platter 310 Forest Green / Olive Green







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

2700K

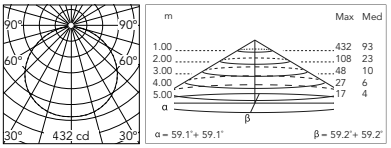
Non Dimmable
FA533324
1-10V
FA533324-310
Dali
FA533324-300

3000K

Non Dimmable
FA533334
1-10V
FA533334-310
Dali
FA533334-300

4000K

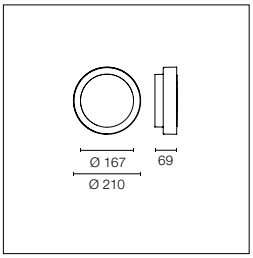
Non Dimmable
FA533344
1-10V
FA533344-310
Dali
FA533344-300

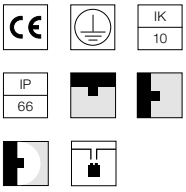


@ 4000K

Platter 210





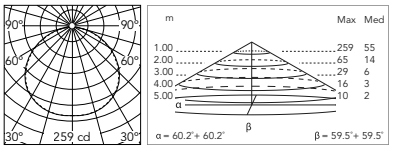


Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

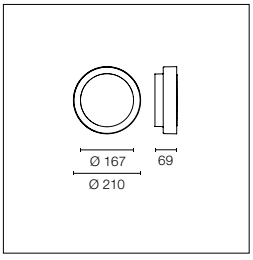
2700K	3000K	4000K
○ FA53305001	○ FA53300201	○ FA53300101
● FA53305006	● FA53300206	● FA53300106
● FA53305012	● FA53300212	● FA53300112
● FA53305018	● FA53300218	● FA53300118
● FA53305030	● FA53300230	● FA53300130
● FA53305033	● FA53300233	● FA53300133

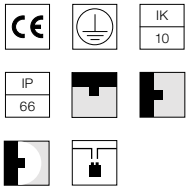


@ 4000K

Platter 210 Grey / Brown Brick





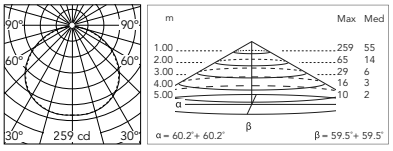


Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 11W - 1261 lm ≠ OUTPUT 765 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

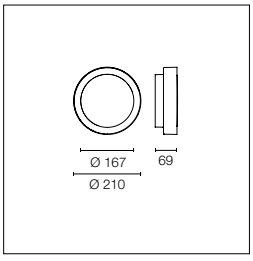
2700K	3000K	4000K
●● FA533221	●● FA533231	●● FA533241

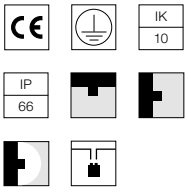


@ 4000K

Platter 210 Anthracite / Pale Blue





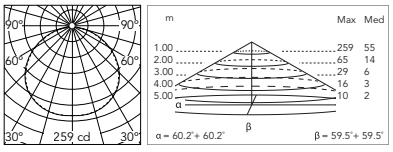


Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

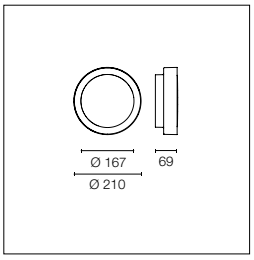
2700K	3000K	4000K
●● FA533222	●● FA533232	●● FA533242

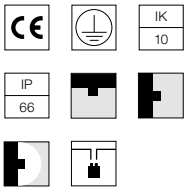


@ 4000K

Platter 210 Deep Brown / Pale Brown





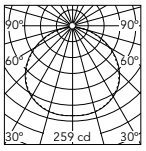


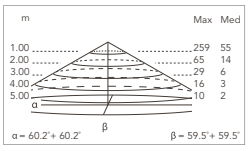
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA533223	FA533233	FA533243

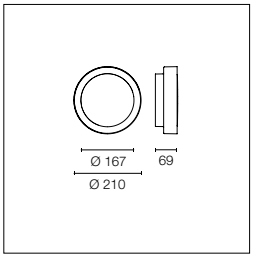


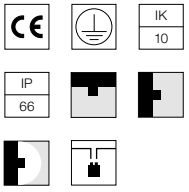


@ 4000K

Platter 210 Forest Green / Olive Green





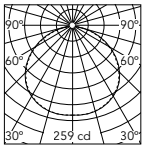


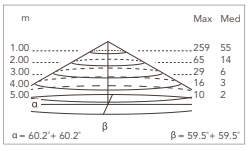
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF integrata. Dotata di passacavo IP65, per cavi in gomma 5mm<ø<10mm e una morsettiera a 2 poli a connessione rapida. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Mid-Power Led: 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
FA533224	FA533234	FA533244





@ 4000K

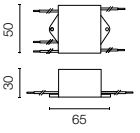
Platter: Accessori / Accessories

Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

F990E00A000





Leila







Leila

Famiglia / Family

Leila 1



CoB Led
up to 14W
up to 941 lm - 2700K/CRI 80
up to 980 lm - 3000K/CRI 80
up to 1073 lm - 4000K/CRI 80
* Net lumen output

Leila 2



CoB Led
up to 14W
up to 1457 lm - 2700K/CRI 80
up to 1567 lm - 3000K/CRI 80
up to 1653 lm - 4000K/CRI 80
* Net lumen output

Leila 3



CoB Led
up to 28W
up to 2380 lm - 2700K/CRI 80
up to 2559 lm - 3000K/CRI 80
up to 2700 lm - 4000K/CRI 80
* Net lumen output

Leila 4



CoB Led
up to 40W
up to 3443 lm - 2700K/CRI 80
up to 3742 lm - 3000K/CRI 80
up to 3929 lm - 4000K/CRI 80
* Net lumen output

Colori / Colours

01 White

56 Matt Stainless Steel

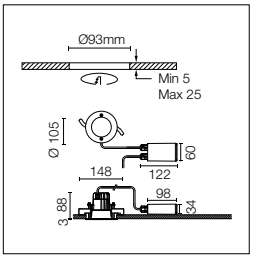
Descrizione / Description

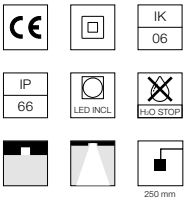
Famiglia di apparecchi di illuminazione con sorgente luminosa a LED per installazione a incasso a soffitto e controsoffitto in cartongesso, caratterizzati dalla forma circolare declinata in quattro dimensioni. Disponibile in diverse aperture di fascio per dimensione. Corpo dell'apparecchio in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame), ghiera esterna in acciaio inox AISI 316L pallinato o verniciato in colore bianco opaco. Diffusore in vetro testurizzato con bordo serigrafato, fissato all'apparecchio tramite incollaggio robotizzato. Le viterie di fissaggio sono in acciaio inox AISI 316L. L'apparecchio è dotato di un connettore a vite M12 a tenuta stagna che fornisce isolamento ottimale contro la penetrazione di acqua e rapido collegamento con l'unità di cablaggio. L'alimentatore è in dotazione con l'apparecchio come un kit IP67 remoto da alloggiare nella cassaforma da incasso in caso di soffitto in muratura o direttamente appoggiato in prossimità dell'apparecchio in caso di controsoffitto. Disponibile come accessorio opzionale la cassaforma in metallo da murare in caso di soffitto in muratura o cemento armato.

Luminaire family with LED source for recessed ceiling and plasterboard false ceiling mounting. Defined by their round shape. Available in four dimensions and different beam angles per dimension. EN AB-47100 die cast aluminum body (with low copper content), AISI 316L stainless steel outer lid, shot-blasted and varnished in matte white. Textured glass diffuser with silkscreen edge, attached to the luminaire with a robotic gluing system. The fixing screws are made of stainless steel AISI 316L. Equipped with a watertight M12 threaded connector that prevents water infiltration and facilitates quick connection to the wiring unit. The power supply is supplied together with a remote IP67 kit to be housed in the junction box in case of recessed installation in a masonry ceiling, or supported directly near the luminaire, in case of recessed installation in a false ceiling. The metal junction box to be recessed in case of installation in masonry or reinforced concrete ceilings is available as an accessory.

Leila 1







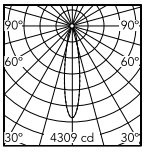
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF: kit remoto dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica, da alloggiare in cassaforma da ordinare separatamente per soffitto in muratura, o da appoggiare in prossimità per controsoffitto in cartongesso. Versione dimmerabile a richiesta.

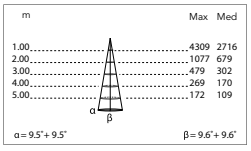
LED source included. Electrical power supply 220-240V ON/OFF: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Optic Spot 19°

CoB Led: 14W - 941 lm ≠ OUTPUT 859 lm - 2700K/CRI 80 - 220÷240V / 14W - 980 lm ≠ OUTPUT 895 lm - 3000K/CRI 80 - 220÷240V / 14W - 1073 lm ≠ OUTPUT 980 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA53610901	○ FA53600901	○ FA53600801
◐ FA53610356	◐ FA53600356	◐ FA53600256



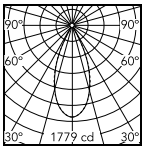


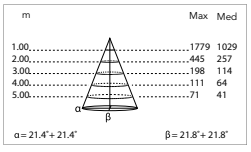
@ 3000K

Optic Medium 43º

CoB Led: 14W - 941 lm ≠ OUTPUT 941 lm - 2700K/CRI 80 - 220÷240V / 14W - 980 lm ≠ OUTPUT 980 lm - 4000K/CRI 80 - 220÷240V / 14W - 1073 lm ≠ OUTPUT 1073 lm - 4000K/CRI 80 - 220÷240V

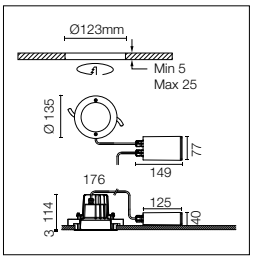
2700K	3000K	4000K
○ FA53611201	○ FA53601201	○ FA53601101
◐ FA53610656	◐ FA53600656	◐ FA53600556

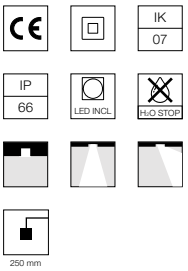




@ 3000K







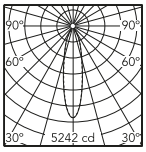
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata: kit remoto dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica, da alloggiare in cassaforma da ordinare separatamente per soffitto in muratura, o da appoggiare in prossimità per controsoffitto in cartongesso.

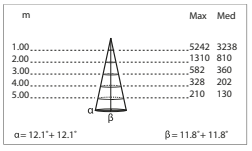
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Optic Spot 24°

CoB Led: 14W - 1457 lm ≠ OUTPUT 1457 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1567 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1653 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53612201.A	○ FA53602201	○ FA53602101.A
◐ FA53611456.A	◐ FA53601456	◐ FA53601356.A
1-10V	1-10V	1-10V
○ FA53612201-310.A	○ FA53602201-310	○ FA53602101-310.A
◐ FA53611456-310.A	◐ FA53601456-310	◐ FA53601356-310.A
Dali	Dali	Dali
○ FA53612201-300.A	○ FA53602201-300	○ FA53602101-300.A
◐ FA53611456-300.A	◐ FA53601456-300	◐ FA53601356-300.A



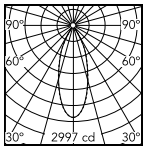


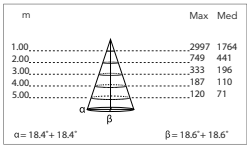
@ 3000K

Optic Medium 37°

CoB Led: 14W - 1457 lm ≠ OUTPUT 1365 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1468 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1549 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53612401.A	○ FA53602401	○ FA53602301.A
◐ FA53611656.A	◐ FA53601656	◐ FA53601556.A
1-10V	1-10V	1-10V
○ FA53612401-310.A	○ FA53602401-310	○ FA53602301-310.A
◐ FA53611656-310.A	◐ FA53601656-310	◐ FA53601556-310.A
Dali	Dali	Dali
○ FA53612401-300.A	○ FA53602401-300	○ FA53602301-300.A
◐ FA53611656-300.A	◐ FA53601656-300	◐ FA53601556-300.A



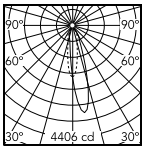


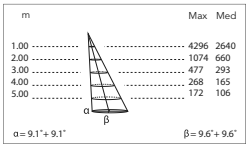
@ 3000K

Asymmetric Optic 12° - 19°

CoB Led: 14W - 1457 lm ≠ OUTPUT 974 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1015 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1111 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53612601	○ FA53602601	○ FA53602501
◐ FA53611856	◐ FA53601856	◐ FA53601756
1-10V	1-10V	1-10V
○ FA53612601-310	○ FA53602601-310	○ FA53602501-310
◐ FA53611856-310	◐ FA53601856-310	◐ FA53601756-310
Dali	Dali	Dali
○ FA53612601-300	○ FA53602601-300	○ FA53602501-300
◐ FA53611856-300	◐ FA53601856-300	◐ FA53601756-300



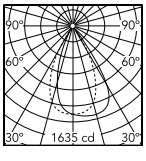


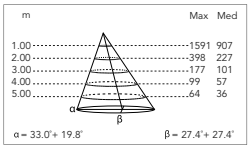
@ 3000K

Asymmetric Optic 12° - 53°

CoB Led: 14W - 1457 lm ≠ OUTPUT 1209 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1259 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1379 lm - 4000K/CRI 80 - 220÷240V

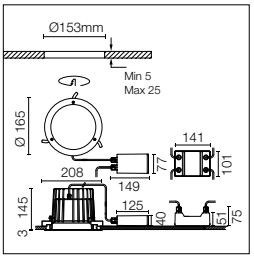
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53612801	○ FA53602801	○ FA53602701
◐ FA53612056	◐ FA53602056	◐ FA53601956
1-10V	1-10V	1-10V
○ FA53612801-310	○ FA53602801-310	○ FA53602701-310
◐ FA53612056-310	◐ FA53602056-310	◐ FA53601956-310
Dali	Dali	Dali
○ FA53612801-300	○ FA53602801-300	○ FA53602701-300
◐ FA53612056-300	◐ FA53602056-300	◐ FA53601956-300

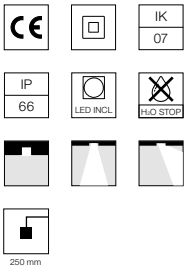




@ 3000K







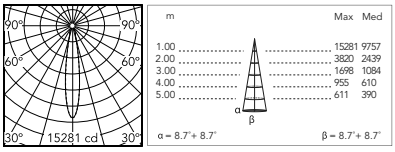
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata: kit remoto dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica, da alloggiare in cassaforma da ordinare separatamente per soffitto in muratura, o da appoggiare in prossimità per controsoffitto in cartongesso.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Optic Spot 17°

CoB Led: 28W - 2380 lm ≠ OUTPUT 2380 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2559 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2700 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53613801.A	○ FA53603801	○ FA53603701.A
◐ FA53613056.A	◐ FA53603056	◐ FA53602956.A
1-10V	1-10V	1-10V
○ FA53613801-310.A	○ FA53603801-310	○ FA53603701-310.A
◐ FA53613056-310.B	◐ FA53603056-310	◐ FA53602956-310.A
Dali	Dali	Dali
○ FA53613801-300.B	○ FA53603801-300.A	○ FA53603701-300.B
◐ FA53613056-300.B	◐ FA53603056-300.B	◐ FA53602956-300.B

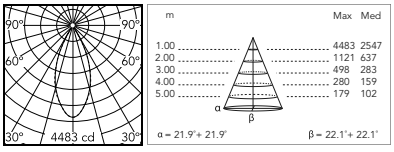


@ 3000K

Optic Medium 44º

CoB Led: 28W - 2380 lm ≠ OUTPUT 2325 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2500 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2638 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53614001.A	○ FA53604001	○ FA53603901.A
◐ FA53613256.A	◐ FA53603256	◐ FA53603156.A
1-10V	1-10V	1-10V
○ FA53614001-310.A	○ FA53604001-310	○ FA53603901-310.A
◐ FA53613256-310.A	◐ FA53603256-310	◐ FA53603156-310.A
Dali	Dali	Dali
○ FA53614001-300.B	○ FA53604001-300.A	○ FA53603901-300.B
◐ FA53613256-300.B	◐ FA53603256-300.A	◐ FA53603156-300.B

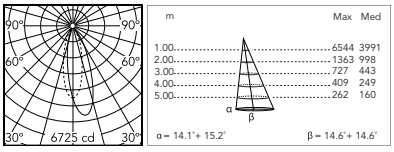


@ 3000K

Asymmetric Optic 12° - 29°

CoB Led: 28W - 2380 lm ≠ OUTPUT 2199 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2364 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2494 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53614201.A	○ FA53604201	○ FA53604101.A
◐ FA53613456.A	◐ FA53603456	◐ FA53603356.A
1-10V	1-10V	1-10V
○ FA53614201-310.A	○ FA53604201-310	○ FA53604101-310.A
◐ FA53613456-310.A	◐ FA53603456-310.A	◐ FA53603356-310.A
Dali	Dali	Dali
○ FA53614201-300.A	○ FA53604201-300.A	○ FA53604101-300.B
◐ FA53613456-300.B	◐ FA53603456-300.A	◐ FA53603356-300.A

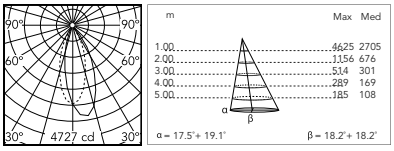


@ 3000K

Asymmetric Optic 12° - 37°

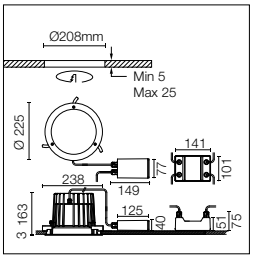
CoB Led: 28W - 2380 lm ≠ OUTPUT 2105 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2263 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2387 lm - 4000K/CRI 80 - 220÷240V

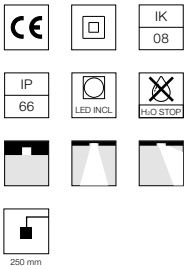
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53614401.A	○ FA53604401	○ FA53604301.A
◐ FA53613656.A	◐ FA53603656	◐ FA53603556.A
1-10V	1-10V	1-10V
○ FA53614401-310.B	○ FA53604401-310	○ FA53604301-310.A
◐ FA53613656-310.A	◐ FA53603656-310	◐ FA53603556-310.A
Dali	Dali	Dali
○ FA53614401-300.B	○ FA53604401-300.A	○ FA53604301-300.B
◐ FA53613656-300.B	◐ FA53603656-300.B	◐ FA53603556-300.B



@ 3000K







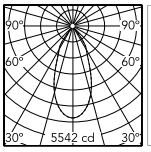
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata: kit remoto dotato di spezzone di cavo 400mm con connettore a vite M12 a tenuta stagna all'apparecchio e di uno spezzone di cavo 250mm per il collegamento alla linea elettrica, da alloggiare in cassaforma da ordinare separatamente per soffitto in muratura, o da appoggiare in prossimità per controsoffitto in cartongesso.

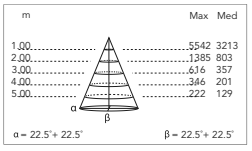
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Optic Medium 45º

CoB Led: 40W - 3443 lm ≠ OUTPUT 3443 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3742 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3929 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53615601.A	○ FA53605601.A	○ FA53605501.A
◐ FA53614856.A	◐ FA53604856.A	◐ FA53604756.A
1-10V	1-10V	1-10V
○ FA53615601-310.A	○ FA53605601-310.A	○ FA53605501-310.A
◐ FA53614856-310.A	◐ FA53604856-310.A	◐ FA53604756-310.A
Dali	Dali	Dali
○ FA53615601-300.A	○ FA53605601-300.A	○ FA53605501-300.A
◐ FA53614856-300.A	◐ FA53604856-300.A	◐ FA53604756-300.A



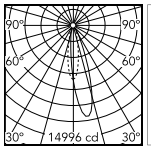


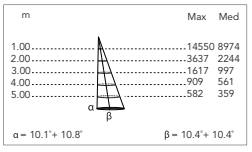
@ 3000K

Asymmetric Optic 12º - 21º

CoB Led: 40W - 3443 lm ≠ OUTPUT 3104 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3338 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3522 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53615801.A	○ FA53605801.A	○ FA53605701.A
◐ FA53615056.A	◐ FA53605056.A	◐ FA53604956.A
1-10V	1-10V	1-10V
○ FA53615801-310.A	○ FA53605801-310.A	○ FA53605701-310.A
◐ FA53615056-310.A	◐ FA53605056-310.A	◐ FA53604956-310.A
Dali	Dali	Dali
○ FA53615801-300.A	○ FA53605801-300.A	○ FA53605701-300.A
◐ FA53615056-300.A	◐ FA53605056-300.A	◐ FA53604956-300.A



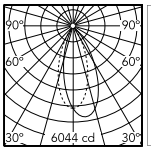


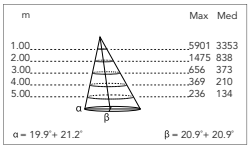
@ 3000K

Asymmetric Optic 12º - 41º

CoB Led: 40W - 3443 lm ≠ OUTPUT 3066 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3297 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3478 lm - 4000K/CRI 80 - 220÷240V

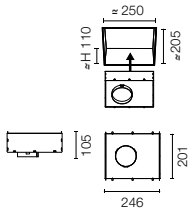
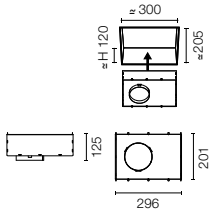
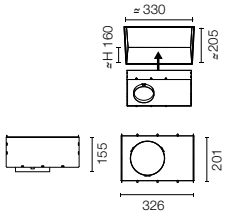
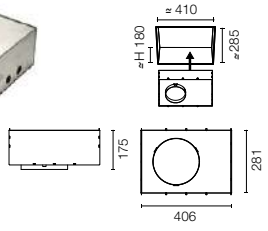
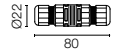
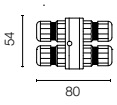
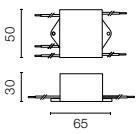
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53616001.A	○ FA53606001.A	○ FA53605901.A
◐ FA53615256.A	◐ FA53605256.A	◐ FA53605156.A
1-10V	1-10V	1-10V
○ FA53616001-310.A	○ FA53606001-310.A	○ FA53605901-310.A
◐ FA53615256-310.A	◐ FA53605256-310.A	◐ FA53605156-310.A
Dali	Dali	Dali
○ FA53616001-300.A	○ FA53606001-300.A	○ FA53605901-300.A
◐ FA53615256-300.A	◐ FA53605256-300.A	◐ FA53605156-300.A





@ 3000K

Leila: Accessori / Accessories

Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	Leila 1 FA196	 
Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	Leila 2 FA197	 
Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	Leila 3 FA198	 
Scatola in metallo per installazione soffitti in cemento.	Metal installation box for concrete ceiling.	Leila 4 FA199	 
Sistema di giunzione IP68 H_2O Stop anti-condensa a 2 vie 4 poli. (ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C00A000	 
Sistema di giunzione IP68 H_2O Stop anti-condensa a 3/4 vie 4 poli (ø5,5÷12mm cavo)	3/4 way terminal block 4 poles IP68 H_2O Stop. (ø5,5÷12mm cable).	F990C010000	 
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	 

Kirk





Kirk



Famiglia / Family

Kirk 1



CoB Led
up to 6W
up to 270 lm - 3000K/CRI 80
* Net lumen output

Kirk 2



CoB Led
up to 12W
up to 713 lm - 3000K/CRI 80
* Net lumen output

Kirk 3



CoB Led
up to 24W
up to 1610 lm - 3000K/CRI 80
* Net lumen output

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

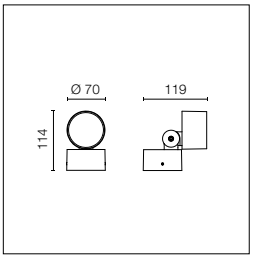
Descrizione / Description

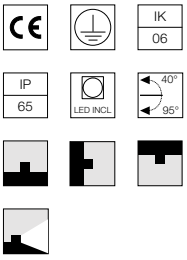
Famiglia di apparecchi di illuminazione con sorgente luminosa a LED orientabili a proiezione, predisposti per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente. Disponibile in tre tagli dimensionali. Corpo in alluminio tornito lega EN AW 6060 e staffa di fissaggio in acciaio inox AISI 316L. Diffusore in vetro extrachiaro con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. L'unità di cablaggio è equipaggiata con connettore IP68 ed è collegata all'unità di emissione da una giunzione regolabile che permette una orientabilità di 130° circa sull'asse verticale. La staffa di fissaggio a sua volta permette una orientabilità di 90° sull'asse orizzontale per direzionare il fascio in base alle esigenze.

Family of tiltable projection luminaires with LED source, designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three dimensions. Turned aluminum body, EN AW6060 alloy and AISI 316L stainless steel bracket. Extraclear glass diffuser with silkscreen edge, attached with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The cable unit has a IP68 connector, connected to the emission unit by means of an adjustable joint so it can be tilted approx. 130º on the vertical axis. The fixing bracket allows for a tilting of 90º on the horizontal axis, so the light beam can be directed according to your needs.

Kirk 1







Sorgente a LED inclusa. Modulo Led configurato per lavorare direttamente alla rete elettrica 220-230V ON/ OFF. Staffa di fissaggio inclusa. Dotato di connettore IP68, per cavi in gomma 6mm<ø<8mm. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.
Picchetto per installazione a terra da ordinare separatamente.

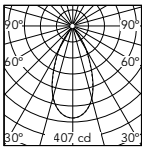
LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

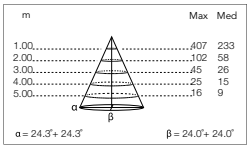
Optic Medium 50°

CoB Led: 6W - 387 lm ≠ OUTPUT 270 lm - 3000K/CRI 80 - 220-230V

3000K

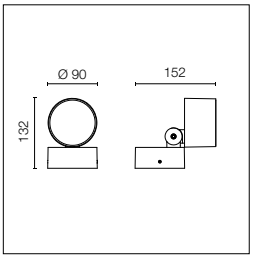
- ○ FA54000101.A
- ● FA54000106.A
- ● FA54000112.A
- ● FA54000118.A
- ● FA54000130.A
- ● FA54000133.A

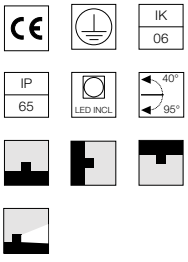




Kirk 2







Sorgente a LED inclusa. Modulo Led configurato per lavorare direttamente alla rete elettrica 220-230V ON/ OFF. Staffa di fissaggio inclusa. Dotato di connettore IP68, per cavi in gomma 6mm<ø<8mm. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.
Picchetto per installazione a terra da ordinare separatamente.

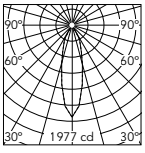
LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

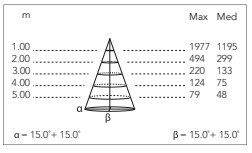
Optic Medium 30°

CoB Led: 12W - 951 lm ≠ OUTPUT 713 lm - 3000K/CRI 80 - 220-230V

3000K

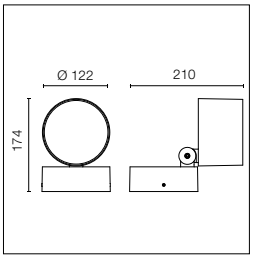
- ○ FA54000201.A
- ● FA54000206.A
- ● FA54000212.A
- ● FA54000218.A
- ● FA54000230.A
- ● FA54000233.A

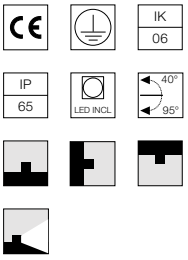




Kirk 3







Sorgente a LED inclusa. Modulo Led configurato per lavorare direttamente alla rete elettrica 220-230V ON/ OFF. Staffa di fissaggio inclusa. Dotato di connettore IP68, per cavi in gomma 6mm<ø<8mm. Per garantire la tenuta del passacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni.
Picchetto per installazione a terra da ordinare separatamente.

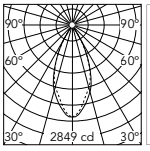
LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

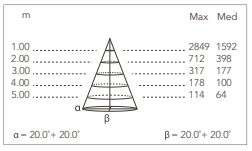
Optic Medium 40°

CoB Led: 24W - 2303 lm ≠ OUTPUT 1610 lm - 3000K/CRI 80 - 220-230V

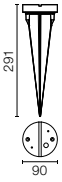
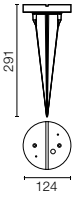
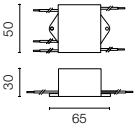
3000K

- FA54000301
- FA54000306
- FA54000312
- FA54000318
- FA54000330
- FA54000333

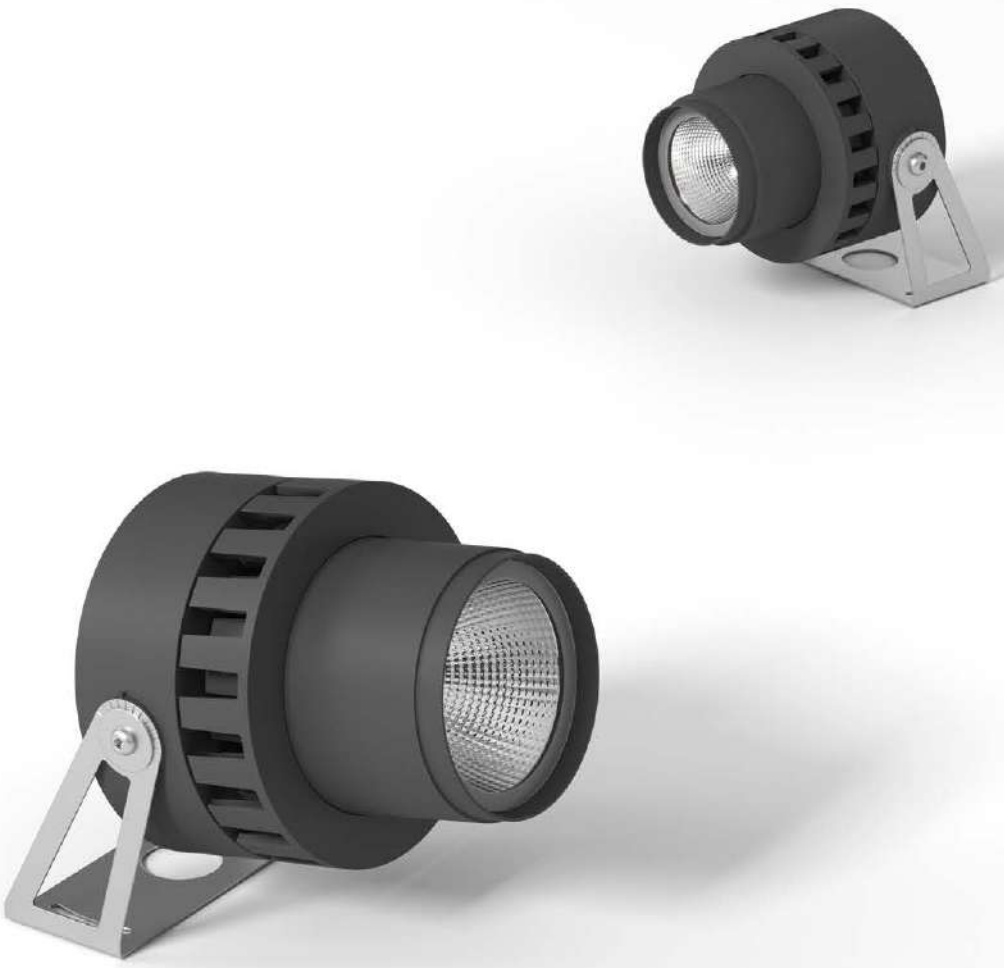




Kirk: Accessori / Accessories

Picchetto per installazione a terra.	Ground spike.	Kirk 1 FA264		
Picchetto per installazione a terra.	Ground spike.	Kirk 2 FA266		
Picchetto per installazione a terra.	Ground spike.	Kirk 3 FA268		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

Spock





Spock



Famiglia / Family

Spock 1



CoB Led
up to 11W
up to 725 lm - 2700K/CRI 80
up to 780 lm - 3000K/CRI 80
up to 811 lm - 4000K/CRI 80
* Net lumen output

Spock 2



CoB Led
up to 27W
up to 2153 lm - 2700K/CRI 80
up to 2315 lm - 3000K/CRI 80
up to 2128 lm - 4000K/CRI 80
* Net lumen output

Spock 3



CoB Led
up to 43W
up to 4059 lm - 2700K/CRI 80
up to 4385 lm - 3000K/CRI 80
up to 4477 lm - 4000K/CRI 80
* Net lumen output

Tunable White

CoB Led
up to 38W
up to 2200 lm - 2700K/CRI 80
* Net lumen output

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

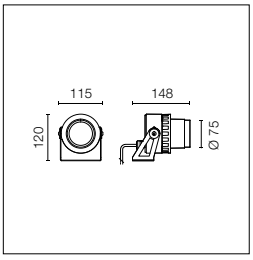
Descrizione / Description

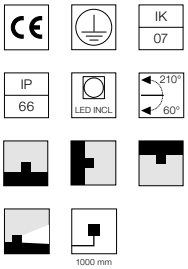
Famiglia di apparecchi di illuminazione con sorgente luminosa a LED orientabili a proiezione, predisposti per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente. Disponibile in tre tagli dimensionali e in due aperture di fascio per dimensione. Corpo e dissipatore di calore in alluminio tornito lega EN AW 6060. Diffusore in vetro extrachiaro per le versioni standard e albarino per la versione Tunable White, con bordo serigrafato fissato attraverso un sistema di incollaggio robotizzato. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Staffa di fissaggio in acciaio inox AISI 316L graduata per garantire una regolazione precisa della unità emittente e una orientabilità di 180° circa sull'asse verticale. La staffa di fissaggio a sua volta permette una orientabilità minima di 30° sull'asse orizzontale per direzionare il fascio in base alle esigenze. L'apparecchio è dotato di uno spezzone di cavo in uscita per una facile connessione. Completano la gamma una serie di visori ottici opzionali per calibrare il fascio luminoso emesso.

Family of tiltable projection luminaires with LED source, designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three dimensions and two beam angles per dimension. Body and heat sink made of turned aluminum, alloy EN AW 6060. Diffuser in extraclear glass for the standard version and in amber glass for the Tunable White version, with silkscreen edge and fixed with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 180º in the vertical axis. The fixing bracket allows also for a tilting of 30º on the horizontal axis, so the light beam can be directed according to your needs. With a neoprene cable section to ease the connection. The series is completed with optional optical visors to graduate the emitted light beam.

Spock 1







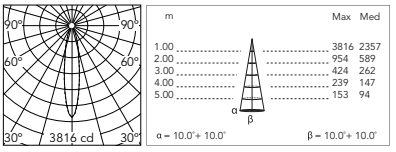
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 1000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna; disponibili connettori IP68 opzionali. Picchetto per installazione a terra da ordinare separatamente. Accessori opzionali per la regolazione del fascio luminoso.
Versione dimmerabile a richiesta.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Optic Spot 20°

CoB Led: 11W - 1005 lm ≠ OUTPUT 725 lm - 2700K/CRI 80 - 220-240V / 11W - 1081 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 - 220-240V / 11W - 1124 lm ≠ OUTPUT 811 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA54102301	○ FA54100301	○ FA54100201
● FA54102306	● FA54100306	● FA54100206
● FA54102312	● FA54100312	● FA54100212
● FA54102318	● FA54100318	● FA54100218
● FA54102330	● FA54100330	● FA54100230
● FA54102333	● FA54100333	● FA54100233

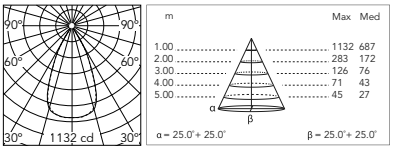


@ 4000K

Optic Medium 50°

CoB Led: 11W - 1005 lm ≠ OUTPUT 697 lm - 2700K/CRI 80 - 220-240V / 11W - 1081 lm ≠ OUTPUT 749 lm - 3000K/CRI 80 - 220-240V / 11W - 1124 lm ≠ OUTPUT 778 lm - 4000K/CRI 80 - 220-240V

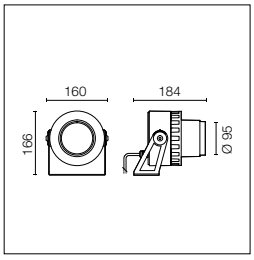
2700K	3000K	4000K
○ FA54102601	○ FA54100601	○ FA54100501
● FA54102606	● FA54100606	● FA54100506
● FA54102612	● FA54100612	● FA54100512
● FA54102618	● FA54100618	● FA54100518
● FA54102630	● FA54100630	● FA54100530
● FA54102633	● FA54100633	● FA54100533

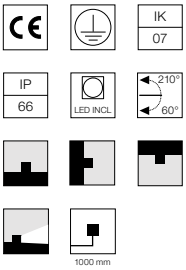


@ 4000K

Spock 2







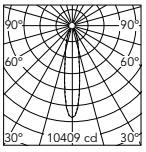
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 1000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna; disponibili connettori IP68 opzionali. Picchetto per installazione a terra da ordinare separatamente. Accessori opzionali per la regolazione del fascio luminoso.
Versione dimmerabile a richiesta.

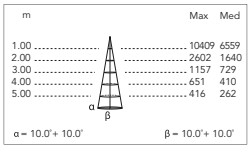
LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Optic Spot 20°

CoB Led: 27W - 3022 lm ≠ OUTPUT 2141 lm - 2700K/CRI 80 - 220-240V / 27W - 3249 lm ≠ OUTPUT 2302 lm - 3000K/CRI 80 - 220-240V / 27W - 3408 lm ≠ OUTPUT 2415 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA54102801.A	○ FA54100801.A	○ FA54100701.A
● FA54102806.A	● FA54100806.A	● FA54100706.A
● FA54102812.A	● FA54100812.A	● FA54100712.A
● FA54102818.A	● FA54100818.A	● FA54100718.A
● FA54102830.A	● FA54100830.A	● FA54100730.A
● FA54102833.A	● FA54100833.A	● FA54100733.A



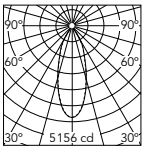


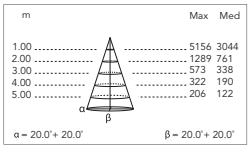
@ 4000K

Optic Medium 40°

CoB Led: 27W - 3022 lm ≠ OUTPUT 2153 lm - 2700K/CRI 80 - 220-240V / 27W - 3249 lm ≠ OUTPUT 2315 lm - 3000K/CRI 80 - 220-240V / 27W - 3408 lm ≠ OUTPUT 2428 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA54103001.A	○ FA54101001.A	○ FA54100901.A
● FA54103006.A	● FA54101006.A	● FA54100906.A
● FA54103012.A	● FA54101012.A	● FA54100912.A
● FA54103018.A	● FA54101018.A	● FA54100918.A
● FA54103030.A	● FA54101030.A	● FA54100930.A
● FA54103033.A	● FA54101033.A	● FA54100933.A

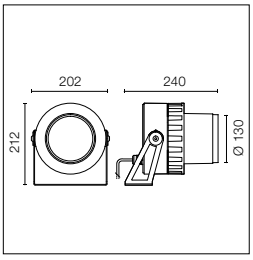


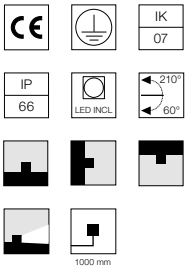


@ 4000K

Spock 3







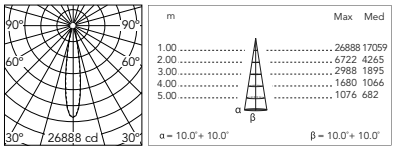
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 1000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna; disponibili connettori IP68 opzionali. Picchetto per installazione a terra da ordinare separatamente. Accessori opzionali per la regolazione del fascio luminoso.
Versione dimmerabile a richiesta.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Optic Spot 20°

CoB Led: 43W - 5408 lm ≠ OUTPUT 4059 lm - 2700K/CRI 80 - 220-240V / 43W - 5815 lm ≠ OUTPUT 4365 lm - 3000K/CRI 80 - 220-240V / 43W - 5963 lm ≠ OUTPUT 4477 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA54103201.A	○ FA54101201.A	○ FA54101101.A
● FA54103206.A	● FA54101206.A	● FA54101106.A
● FA54103212.A	● FA54101212.A	● FA54101112.A
● FA54103218.A	● FA54101218.A	● FA54101118.A
● FA54103230.A	● FA54101230.A	● FA54101130.A
● FA54103233.A	● FA54101233.A	● FA54101133.A

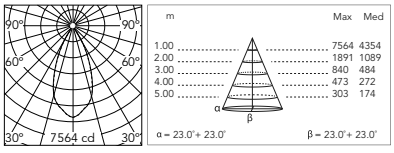


@ 4000K

Optic Medium 45°

CoB Led: 43W - 5408 lm ≠ OUTPUT 3981 lm - 2700K/CRI 80 - 220-240V / 43W - 5815 lm ≠ OUTPUT 4281 lm - 3000K/CRI 80 - 220-240V / 43W - 5963 lm ≠ OUTPUT 4390 lm - 4000K/CRI 80 - 220-240V

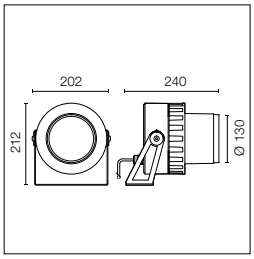
2700K	3000K	4000K
○ FA54103401.A	○ FA54101401.A	○ FA54101301.A
● FA54103406.A	● FA54101406.A	● FA54101306.A
● FA54103412.A	● FA54101412.A	● FA54101312.A
● FA54103418.A	● FA54101418.A	● FA54101318.A
● FA54103430.A	● FA54101430.A	● FA54101330.A
● FA54103433.A	● FA54101433.A	● FA54101333.A

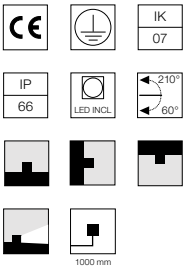


@ 4000K

Spock 3 Tunable White







Sorgente a LED Tunable White inclusa. Alimentazione elettrica 120-240V DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 1000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna; disponibili connettori IP68 opzionali. Picchetto per installazione a terra da ordinare separatamente. Accessori opzionali per la regolazione del fascio luminoso.

LED Tunable White source included. Integrated electrical power supply 120-240V DALI. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam. Dimmable version available upon request.

Optic Spot 20°

CoB Led Tunable White: 38W - 2840 lm ≠ OUTPUT 2200 lm - 2700K ÷ 5700K/CRI>80 - 220-240V

2700K

- ○ FA54110001
- FA54110006
- FA54110012
- FA54110018
- FA54110030
- FA54110033

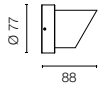
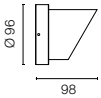
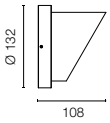
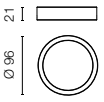
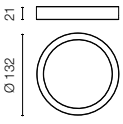
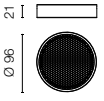
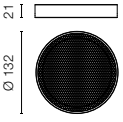
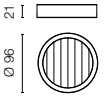
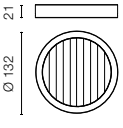
Optic Medium 40°

CoB Led Tunable White: 38W - 2840 lm ≠ OUTPUT 2250 lm - 2700K ÷ 5700K/CRI>80 - 220-240V

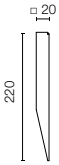
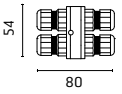
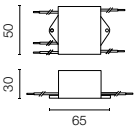
2700K

- ○ FA54110201
- FA54110206
- FA54110212
- FA54110218
- FA54110230
- FA54110233

Spock: Accessori / Accessories

Visiera Ø75	Visor Ø75	FA20530		
Visiera Ø95	Visor Ø95	FA20630		
Visiera Ø130	Visor Ø130	FA20730		
Lente diffondente Ø75	Flood diffuser Ø75	FA20830		
Lente diffondente Ø95	Flood diffuser Ø95	FA20930		
Lente diffondente Ø130	Flood diffuser Ø130	FA21030		
Lente anti abbagliamento Ø75	Anti-glare louvre Ø75	FA21130		
Lente anti abbagliamento Ø95	Anti-glare louvre Ø95	FA21230		
Lente anti abbagliamento Ø130	Anti-glare louvre Ø130	FA21330		
Lente ellittica Ø75	Elliptical lens Ø75	FA26130		
Lente ellittica Ø95	Elliptical lens Ø95	FA26230		
Lente ellittica Ø130	Elliptical lens Ø130	FA26330		

Spock: Accessori / Accessories

Kit con 2 picchetti per fissaggio a terra.	Kit of 2 ground spikes.	FA203		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C010000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	F990C00A000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

Visor



Flood diffuser



Anti-glare louvre



Elliptical lens



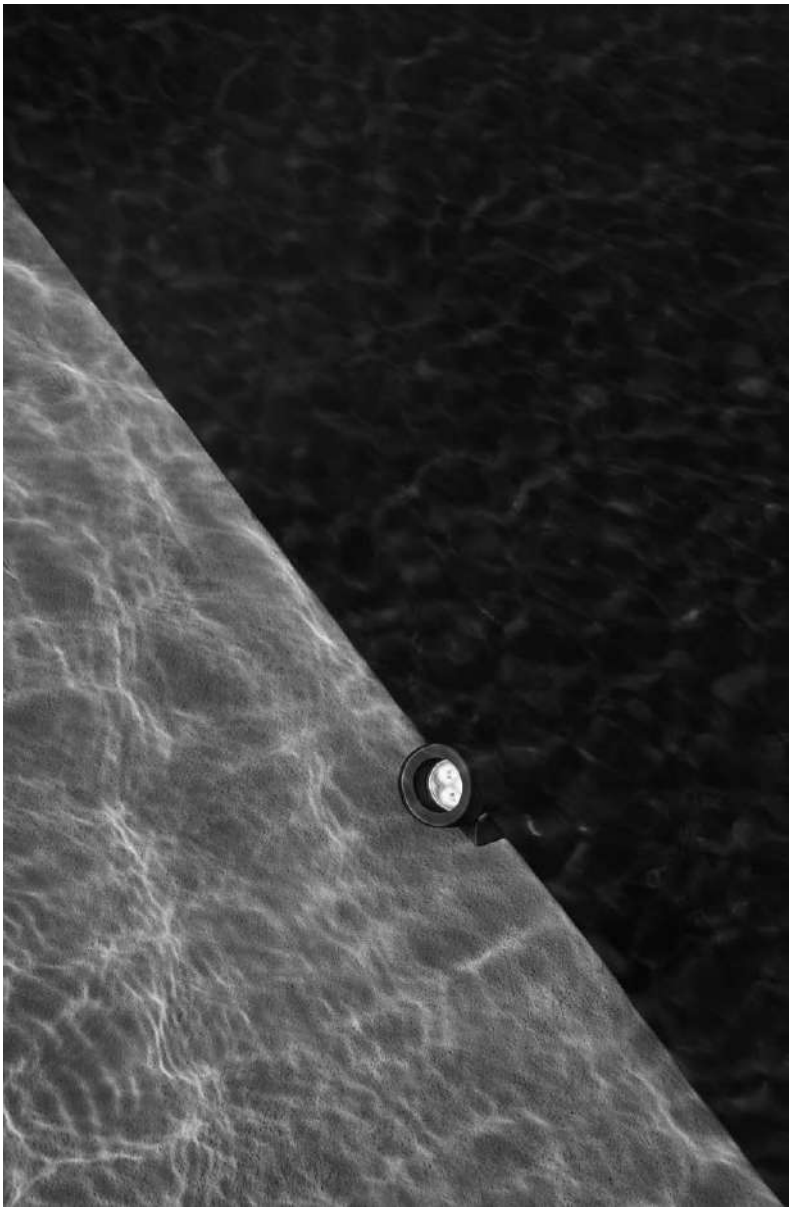
Aimer





Aimer 2 Pole

Aimer 1 Aqua





Aimer 1

Aimer 1



Power Led
up to 1,1W@350mA / 1,6W@500mA
up to 98@350mA lm / 111@500mA lm - 2700K/CRI 80
up to 106@350mA lm / 121@500mA lm - 3000K/CRI 80
up to 110@350mA lm / 125@500mA lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 1 RGB



Power Led
up to 3,4W
up to 3CH x 350mA
* Net lumen output

Aimer 2



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 2 Bollard



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 2 Wall



Power Led
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 3



Power Led
up to 4,5W
up to 359 lm - 2700K/CRI 80
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 3,3W@350mA / 5,1W@500mA
up to 364@350mA lm / 364@500mA lm - 2700K/CRI 80
up to 297@350mA lm / 395@500mA lm - 3000K/CRI 80
up to 308@350mA lm / 410@500mA lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 3 RGB



Power Led
up to 3,4W
up to 3CH x 350mA
* Net lumen output

Aimer 4



Power Led
up to 10W
up to 498 lm - 2700K/CRI 80
up to 535 lm - 3000K/CRI 80
up to 570 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 5



Power Led
up to 14W
up to 747 lm - 2700K/CRI 80
up to 803 lm - 3000K/CRI 80
up to 855 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 5 RGB



Power Led
up to 13,6W
up to 3CH x 350mA
* Net lumen output

Famiglia / Family

Aimer 1 Aqua



Power Led
up to 1,1W
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 1 Aqua RGB



Power Led
up to 3,4W
up to 3CH x 350mA
* Net lumen output

Aimer 3 Aqua



Power Led
up to 4,5W
up to 267 lm - 3000K/CRI 80
up to 278 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 3 Aqua RGB



Power Led
up to 3,4W
up to 3CH x 350mA
* Net lumen output

Aimer 4 Aqua



Power Led
up to 8W
up to 409 lm - 3000K/CRI 80
up to 435 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 5 Aqua



Power Led
up to 11W
up to 680 lm - 3000K/CRI 80
up to 723 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Aimer 5 Aqua RGB



Power Led
up to 13,6W
up to 3CH x 350mA
* Net lumen output

Descrizione / Description

Famiglia completa di apparecchi di illuminazione con sorgente luminosa a LED orientabili a proiezione, predisposti per installazione a soffitto, a parete e a terra. Caratterizzati dalla forma cilindrica compatta declinata in diverse dimensioni e da varie aperture di fascio per dimensione; completano la gamma le versioni RGB per la creazione di scenografie luminose colorate. Disponibili in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Le viterie di fissaggio sono in acciaio inox AISI 316L.

Aimer

Apparecchi proiettori per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente. Disponibili in tre dimensioni di diametro con differenti fasci di apertura. Corpo dell'apparecchio in alluminio tornito (EN AW 6060) e anodizzato. Diffusore in vetro trasparente o sabbiato con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato a filo con il bordo lampada per evitare depositi d'acqua. Staffa di fissaggio in acciaio inox AISI 316L inclusa. Dotati di uno spezzone di cavo in uscita per una facile connessione. Apparecchi disponibili in versione 24V dc (connessione in parallelo) o in versione 350/500 mA (connessione in serie): l'installazione necessita di alimentatore remoto da ordinare separatamente. Completano la gamma una serie di visori opzionali per ridurre l'abbagliamento diretto.

Aqua Aimer

Apparecchi proiettori per installazione a soffitto, a parete e a terra con picchetto da ordinare separatamente, adatti per l'immersione continua in acqua a 1 metro di profondità (grado di protezione IP68). Disponibili in tre dimensioni di diametro con differenti fasci di apertura. Corpo dell'apparecchio in acciaio inox AISI 316L. Diffusore in vetro trasparente o sabbiato con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato a filo con il bordo lampada per evitare depositi d'acqua. Staffa di fissaggio in acciaio inox AISI 316L inclusa. Dotati di uno spezzone di cavo in uscita per una facile connessione. Apparecchi disponibili in versione 24V dc (connessione in parallelo) o in versione 350/500 mA (connessione in serie): l'installazione necessita di alimentatore remoto da ordinare separatamente.

Complete family of tiltable projection luminaires with LED source for wall, ceiling, and ground mounting. Defined by their compact cylinder shape. Available in different dimensions with different beam angles. Completed with the RGB versions to create sceneries with colored light. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

Aimer

Light projectors designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three different diameters and different beam angles. Turned (EN AW 6060) and anodized aluminum body. Transparent or frosted glass diffuser with silkscreen edge, attached flush to the edge with a robotic gluing system to avoid water deposits. AISI 316L Stainless steel bracket included. With a protruding cable section to ease the connection. Available in 24V dc version (parallel connection) or 350/500 mA version (serial connection). A remote power supply is needed and must be ordered separately. The series is completed with optional optical visors to reduce direct dazzling.

Aqua Aimer

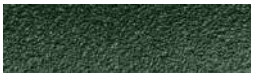
Light projectors designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Suitable for submersion to a depth of 1 meter (IP68 protection degree). Available in three different diameters and different beam angles. AISI 316L stainless steel body. Transparent or frosted glass diffuser with silkscreen edge, attached flush to the edge of the lamp with a robotic gluing system to avoid water deposits. AISI 316L Stainless steel bracket included. With a protruding cable section to ease the connection. Available in 24V version.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite



57 Polished Stainless Steel*

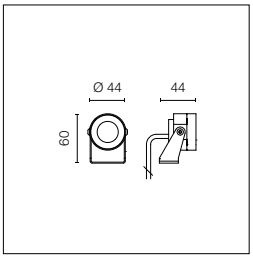


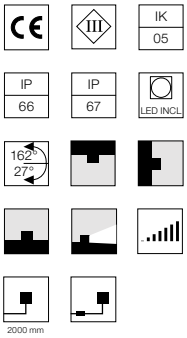
70 Anodized Aluminium

* Solo per versione Aimer Aqua. / Only for Aimer Aqua version.

Aimer 1 Constant Current







Sorgente a LED inclusa. Alimentazione elettrica remota 350/500 mA ON/OFF e dimmerabile 1-10V o DALI da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

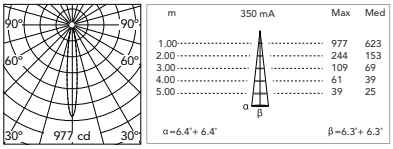
LED source included. Remote power supply 350/500 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately.

2200K available on request.

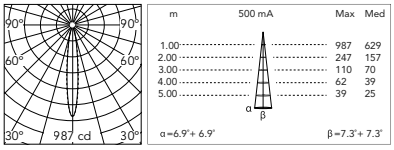
Optic Spot 10°

Power Led: 1,1W@350mA - 110@350mA lm ≠ OUTPUT 98@350mA lm - 1,6W@500mA 144@500mA lm ≠ OUTPUT 111@500mA lm - 2700K/CRI 80
1,1W@350mA - 120@350mA lm ≠ OUTPUT 106@350mA lm - 1,6W@500mA 155@500mA lm ≠ OUTPUT 121@500mA lm - 3000K/CRI 80
1,1W@350mA - 124@350mA lm ≠ OUTPUT 110@350mA lm - 1,6W@500mA 161@500mA lm ≠ OUTPUT 125@500mA lm - 4000K/CRI 80

2700K	3000K	4000K
○ FA1051442201.A	○ FA1051441201.A	○ FA1051711201.A
● FA1051442206.A	● FA1051441206.A	● FA1051711206.A
● FA1051442212.A	● FA1051441212.A	● FA1051711212.A
● FA1051442218.A	● FA1051441218.A	● FA1051711218.A
● FA1051442230.A	● FA1051441230.A	● FA1051711230.A
● FA1051442233.A	● FA1051441233.A	● FA1051711233.A
● FA1051442270.A	● FA1051441270.A	● FA1051711270.A



@ 3000K

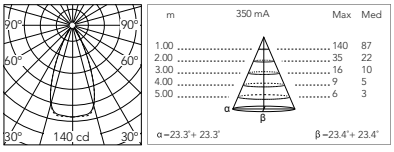


@ 3000K

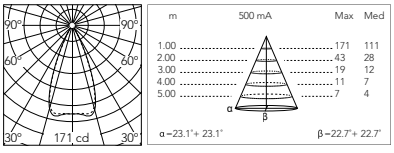
Optic Medium 30°

Power Led: 1,1W@350mA - 110@350mA lm ≠ OUTPUT 91@350mA lm - 1,6W@500mA 144@500mA lm ≠ OUTPUT 102@500mA lm - 2700K/CRI 80
1,1W@350mA - 120@350mA lm ≠ OUTPUT 99@350mA lm - 1,6W@500mA 155@500mA lm ≠ OUTPUT 110@500mA lm - 3000K/CRI 80
1,1W@350mA - 124@350mA lm ≠ OUTPUT 103@350mA lm - 1,6W@500mA 161@500mA lm ≠ OUTPUT 114@500mA lm - 4000K/CRI 80

2700K	3000K	4000K
○ FA1051442001.A	○ FA1051440001.A	○ FA1051710001.A
● FA1051442006.A	● FA1051440006.A	● FA1051710006.A
● FA1051442012.A	● FA1051440012.A	● FA1051710012.A
● FA1051442018.A	● FA1051440018.A	● FA1051710018.A
● FA1051442030.A	● FA1051440030.A	● FA1051710030.A
● FA1051442033.A	● FA1051440033.A	● FA1051710033.A
● FA1051442070.A	● FA1051440070.A	● FA1051710070.A



@ 3000K



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

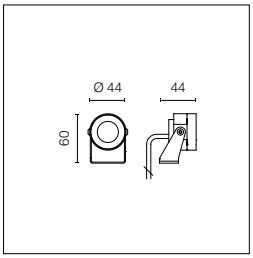
Acc. RF25754	6
Acc. RF25748	6
Acc. FA68	10

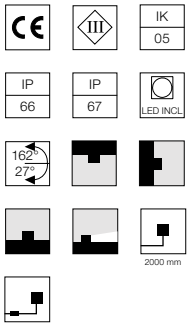
Acc. FA129	**16
Acc. FA184	**16
Acc. FA135	**12
Acc. FA218	**12
Acc. FA238.A	**9
Acc. FA239.A	**9

**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.







Sorgente RGB a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro sabbiato serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi Aimer 1 RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Sandblasted screen-printed glass.
The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 10 luminaires Aimer 1 RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

RGB Power Led: 3 , 4 W - 3CH x 350mA

RGB

- FA1051730001.A
- FA1051730006.A
- FA1051730012.A
- FA1051730018.A
- FA1051730030.A
- FA1051730033.A
- FA1051730070.A

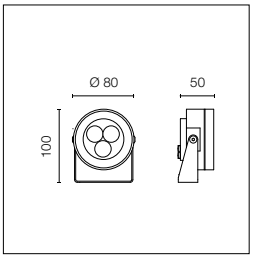
Photometric data on request.

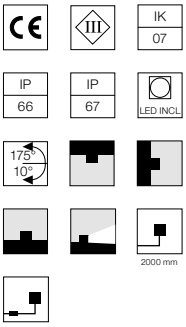
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. F990B22A000 **10	**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.	**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 3 Constant Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24 Vdc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

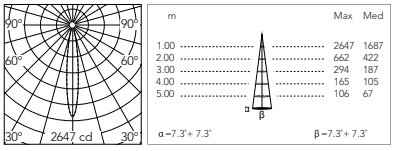
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA105562201	○ FA105561201	○ FA1051721201
FA105562206	FA105561206	FA1051721206
FA105562212	FA105561212	FA1051721212
FA105562218	FA105561218	FA1051721218
FA105562230	FA105561230	FA1051721230
FA105562233	FA105561233	FA1051721233
FA105562270	FA105561270	FA1051721270

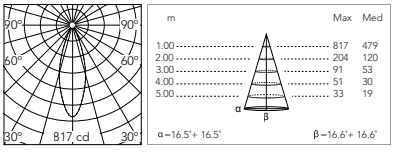


@ 3000K

Optic Medium 30°

Power Led: 4,5W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA105562101	○ FA105561101	○ FA1051721101
FA105562106	FA105561106	FA1051721106
FA105562112	FA105561112	FA1051721112
FA105562118	FA105561118	FA1051721118
FA105562130	FA105561130	FA1051721130
FA105562133	FA105561133	FA1051721133
FA105562170	FA105561170	FA1051721170

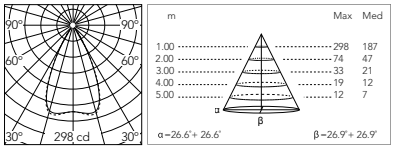


@ 3000K

Optic Flood 50°

Power Led: 4,5W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA105562001	○ FA105560001	○ FA1051720001
FA105562006	FA105560006	FA1051720006
FA105562012	FA105560012	FA1051720012
FA105562018	FA105560018	FA1051720018
FA105562030	FA105560030	FA1051720030
FA105562033	FA105560033	FA1051720033
FA105562070	FA105560070	FA1051720070



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

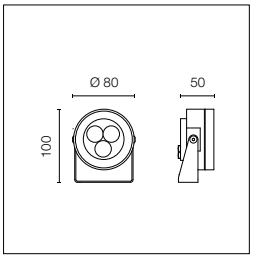
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

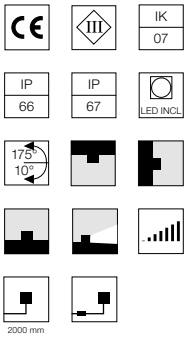
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1
Acc. RF25748	1
Acc. RF25747	2
Acc. RF25757	2
Acc. RF25752	3
Acc. F990B28A000	7
Acc. F990B27A000	14

Aimer 3 Constant Current







Sorgente a LED inclusa. Alimentazione elettrica remota 350/500 mA ON/OFF e dimmerabile 1-10V o DALI da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

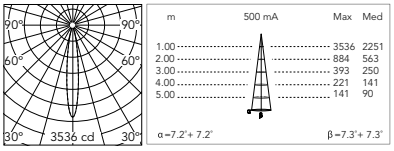
LED source included. Remote power supply 350/500 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

Optic Spot 10°

Power Led: 3,3W@350mA - 331@350mA lm ≠ OUTPUT 270@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 359@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 293@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 389@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 304@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 404@500mA lm - 4000K/CRI 80

2700K	3000K	4000K
○ FA1051072201	○ FA1051071201	○ FA1051901201
● FA1051072206	● FA1051071206	● FA1051901206
● FA1051072212	● FA1051071212	● FA1051901212
● FA1051072218	● FA1051071218	● FA1051901218
● FA1051072230	● FA1051071230	● FA1051901230
● FA1051072233	● FA1051071233	● FA1051901233
● FA1051072270	● FA1051071270	● FA1051901270

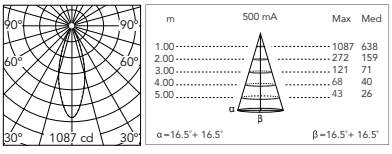


@ 3000K

Optic Medium 30°

Power Led: 3,3W@350mA - 331@350mA lm ≠ OUTPUT 274@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 364@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 297@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 395@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 308@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 410@500mA lm - 4000K/CRI 80

2700K	3000K	4000K
○ FA1051072101	○ FA1051071101	○ FA1051901101
● FA1051072106	● FA1051071106	● FA1051901106
● FA1051072112	● FA1051071112	● FA1051901112
● FA1051072118	● FA1051071118	● FA1051901118
● FA1051072130	● FA1051071130	● FA1051901130
● FA1051072133	● FA1051071133	● FA1051901133
● FA1051072170	● FA1051071170	● FA1051901170

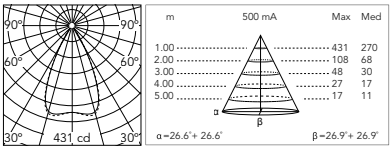


@ 3000K

Optic Flood 50°

Power Led: 3,3W@350mA - 331@350mA lm ≠ OUTPUT 247@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 329@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 267@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 357@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 278@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 371@500mA lm - 4000K/CRI 80

2700K	3000K	4000K
○ FA1051072001	○ FA1051070001	○ FA1051900001
● FA1051072006	● FA1051070006	● FA1051900006
● FA1051072012	● FA1051070012	● FA1051900012
● FA1051072018	● FA1051070018	● FA1051900018
● FA1051072030	● FA1051070030	● FA1051900030
● FA1051072033	● FA1051070033	● FA1051900033
● FA1051072070	● FA1051070070	● FA1051900070



@ 3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	2
Acc. RF25748	2
Acc. FA68	3
Acc. FA129	**5
Acc. FA184	**5

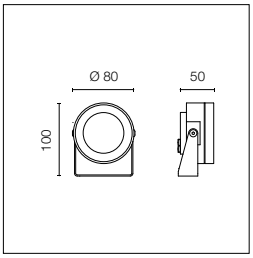
Acc. FA135	**2
Acc. FA218	**2
Acc. FA238.A	**3
Acc. FA239.A	**3

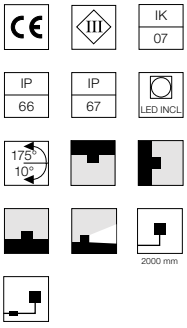
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 3 RGB







Sorgente RGB a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi Aimer 3 RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass.
The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 10 luminaires Aimer 3 RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Optic Spot 10°

Power Led: 3,4W - 3CH x 350mA

RGB

- FA1051741201
- FA1051741206
- FA1051741212
- FA1051741218
- FA1051741230
- FA1051741233
- FA1051741270

Optic Medium 35°

Power Led: 3,4W - 3CH x 350mA

RGB

- FA1051740001
- FA1051740006
- FA1051740012
- FA1051740018
- FA1051740030
- FA1051740033
- FA1051740070

Photometric data on request.

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

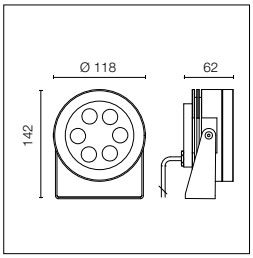
Acc. F990B22A000 **10

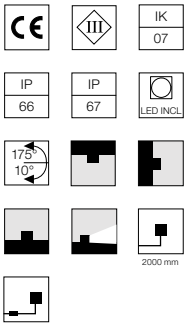
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 4 Constant Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24 Vdc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

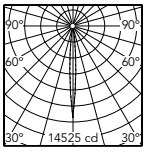
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

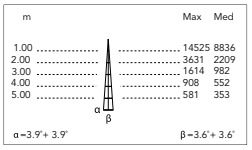
2200K available on request.

Optic Spot 8°

Power Led: 10W - 776 lm ≠ OUTPUT 498 lm - 2700K/CRI 80 - 24Vdc / 10W - 834 lm ≠ OUTPUT 535 lm - 3000K/CRI 80 - 24Vdc / 10W - 889 lm ≠ OUTPUT 570 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA1052552201	○ FA1052551201	○ FA1052541201
● FA1052552206	● FA1052551206	● FA1052541206
● FA1052552212	● FA1052551212	● FA1052541212
● FA1052552218	● FA1052551218	● FA1052541218
● FA1052552230	● FA1052551230	● FA1052541230
● FA1052552233	● FA1052551233	● FA1052541233
● FA1052552270	● FA1052551270	● FA1052541270



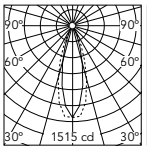


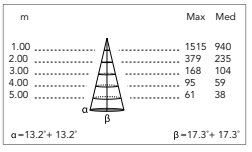
@ 4000K

Optic Medium 26°

Power Led: 10W - 776 lm ≠ OUTPUT 486 lm - 2700K/CRI 80 - 24Vdc / 10W - 834 lm ≠ OUTPUT 523 lm - 3000K/CRI 80 - 24Vdc / 10W - 889 lm ≠ OUTPUT 558 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA1052552001	○ FA1052550001	○ FA1052540001
● FA1052552006	● FA1052550006	● FA1052540006
● FA1052552012	● FA1052550012	● FA1052540012
● FA1052552018	● FA1052550018	● FA1052540018
● FA1052552030	● FA1052550030	● FA1052540030
● FA1052552033	● FA1052550033	● FA1052540033
● FA1052552070	● FA1052550070	● FA1052540070





@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

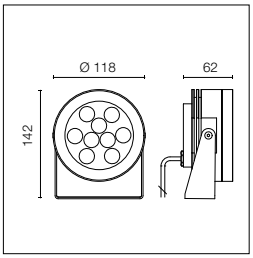
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

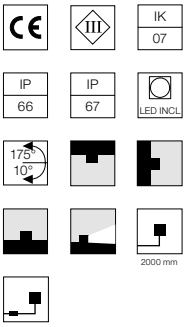
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25752	1
Acc. F990B28A000	2
Acc. F990B27A000	5

Aimer 5 Constant Voltage







Sorgente a LED inclusa. Alimentazione elettrica remota 24 Vdc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.

2200K disponibile su richiesta.

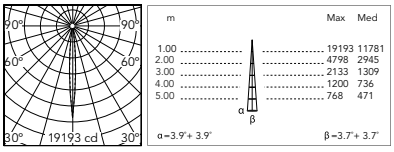
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

Optic Spot 8°

Power Led: 14W - 1164 lm ≠ OUTPUT 747 lm - 2700K/CRI 80 - 24Vdc / 14W - 1252 lm ≠ OUTPUT 803 lm - 3000K/CRI 80 - 24Vdc / 14W - 1333 lm ≠ OUTPUT 855 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA1052522201	○ FA1052521201	○ FA1052511201
● FA1052522206	● FA1052521206	● FA1052511206
● FA1052522212	● FA1052521212	● FA1052511212
● FA1052522218	● FA1052521218	● FA1052511218
● FA1052522230	● FA1052521230	● FA1052511230
● FA1052522233	● FA1052521233	● FA1052511233
● FA1052522270	● FA1052521270	● FA1052511270

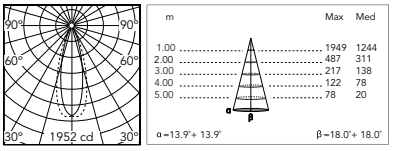


@ 3000K

Optic Medium 28°

Power Led: 14W - 1164 lm ≠ OUTPUT 730 lm - 2700K/CRI 80 - 24Vdc / 14W - 1252 lm ≠ OUTPUT 785 lm - 3000K/CRI 80 - 24Vdc / 14W - 1333 lm ≠ OUTPUT 836 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA1052522001	○ FA1052520001	○ FA1052510001
● FA1052522006	● FA1052520006	● FA1052510006
● FA1052522012	● FA1052520012	● FA1052510012
● FA1052522018	● FA1052520018	● FA1052510018
● FA1052522030	● FA1052520030	● FA1052510030
● FA1052522033	● FA1052520033	● FA1052510033
● FA1052522070	● FA1052520070	● FA1052510070



@ 3000K

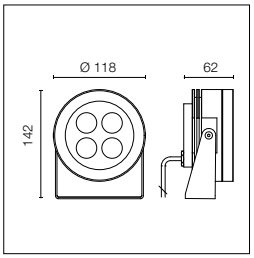
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

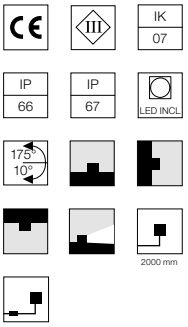
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc.F990B28A000	1
Acc. F990B27A000	3







Sorgente RGB a LED inclusa. Alimentazione elettrica remota con interfaccia DMX 3chx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 2 apparecchi Aimer 5 RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass.
The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 2 luminaires Aimer 5 RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Optic Spot 10°

RGB Power Led: 13,6W - 3CH x 350mA

RGB

- FA1052561201
- FA1052561206
- FA1052561212
- FA1052561218
- FA1052561230
- FA1052561233
- FA1052561270

Optic Medium 35°

RGB Power Led: 13,6W - 3CH x 350mA

RGB

- FA1052560001
- FA1052560006
- FA1052560012
- FA1052560018
- FA1052560030
- FA1052560033
- FA1052560070

Photometric data on request.

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

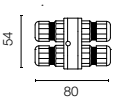
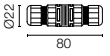
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. F990B22A000

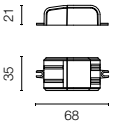
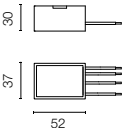
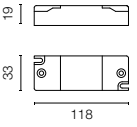
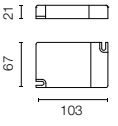
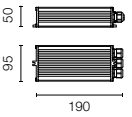
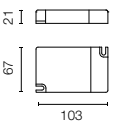
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

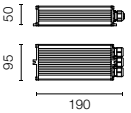
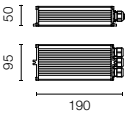
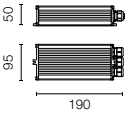
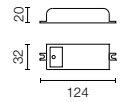
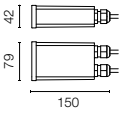
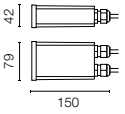
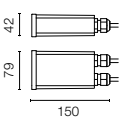
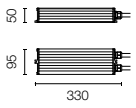
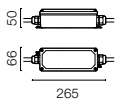
Aimer: Accessori / Accessories

Visera Aimer 1.	Visor Aimer 1.	Aimer 1 FA5230		
Visera Aimer 3.	Visor Aimer 3.	Aimer 3 FA5130		
Picchetta per fissaggio a terra.	Ground spike.	Aimer 1 / 3 / 4 / 5 FA136		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	Aimer 3 / 4 / 5 F990C010000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	Aimer 3 / 4 / 5 F990C00A000		

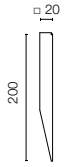
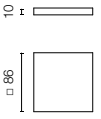
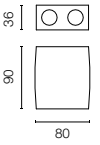
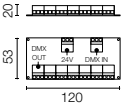
Aimer: Driver / Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	Aimer 1 / 3 *RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Aimer 1 / 3 *RF25748		
Alimentatore 10 x 1W/ 100÷265V - Iout 350mA (7x1W/110V) IP40 Class II Selv Eq.	Power supply 10 x 1W/ 100÷265V - Iout 350mA (7x1W/110V) IP40 Class II Selv Eq.	Aimer 1 / 3 *FA68		
Alimentatore 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP20 Class II Selv Eq.	Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP20 Class II Selv Eq.	Aimer 1 / 3 *FA129 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.3. Page 830		
Alimentatore 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv.	Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv.	Aimer 1 / 3 *FA184 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.3. Page 830		
Alimentatore 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP20 Class II Selv. Eq.	Power supply 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP20 Class II Selv. Eq.	Aimer 1 / 3 *FA135 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.3. Page 830		

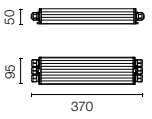
Aimer: Driver / Drivers

Alimentatore 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP67 Class II Selv.	Power supply 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP67 Class II Selv.	Aimer 1 / 3 *FA218 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.3. Page Page 830		
Alimentatore 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C	Power supply 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C.	Aimer 1 / 3 *FA238.A Dimmable DALI See Wiring Diagram n.3. Page Page 830		
Alimentatore 24W/ 110÷240V - Iout 500mA (15W@110V) IP67 Class II Selv.	Power supply 24W/ 110÷240V - Iout 500mA (15W@110V) IP67 Class II Selv.	Aimer 1 / 3 *FA239.A Dimmable DALI See Wiring Diagram n.3. Page Page 830		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	Aimer 3 *RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	Aimer 3 *RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	Aimer 3 / 4 / 5 *RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	Aimer 3 / 4 / 5 *F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	Aimer 3 / 4 / 5 *F990B27A000		

Aimer RGB: Accessori / Accessories

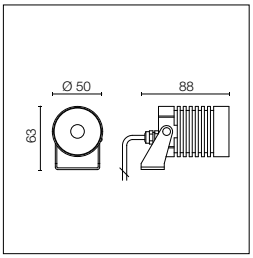
Visera Aimer 1.	Visor Aimer 1.	Aimer 1 RGB FA5230		
Visera Aimer 3.	Visor Martina.	Aimer 3 RGB FA5130		
Picchetto per installazione a terra.	Ground spike.	Aimer 1 / 3 / 4 / 5 RGB FA136		
Controller DMX a parete per scatole ad incasso (60mm interasse fori).	DMX controller; dimmer switch for recessed box (60mm hole centres).	F990B10A000		
Controller DMX stand-alone/interfaccia PC.	DMX controller; stand-alone/PC interface.	F990B11A000		
DMX splitter 512 - dispositivo elettronico per rigenerare segnale DMX monodirezionale 1 Input e 7 output, 12-24 Vdc.	DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc.	F990B13A000		
Cavo DMX schermato con impedenza costante 110 Ohm.	DMX cable - shielded twisted pair with 110 Ohm constant impedance.	F990B12A000		

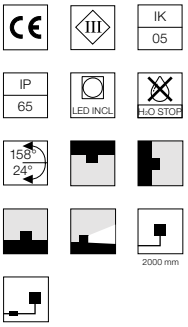
Aimer 3 RGB: Driver / Drivers

Alimentatore con interfaccia DMX per apparecchi RGB 36W/220÷240V-3CH x 350mA (3CH x 10 x 1W) predisposizione DMX IP67 Classe I Selv Eq.	Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq.	*F990B22A000		

Aimer 2







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

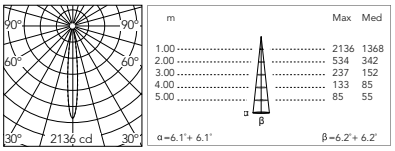
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. Dimmable version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51308001	○ FA51300301	○ FA51300201
● FA51308006	● FA51300306	● FA51300206
● FA51308012	● FA51300312	● FA51300212
● FA51308018	● FA51300318	● FA51300218
● FA51308030	● FA51300330	● FA51300230
● FA51308033	● FA51300333	● FA51300233

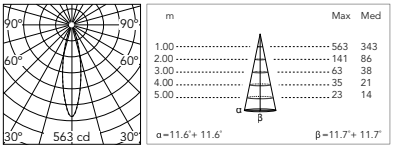


@3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51308201	○ FA51301301	○ FA51301201
● FA51308206	● FA51301306	● FA51301206
● FA51308212	● FA51301312	● FA51301212
● FA51308218	● FA51301318	● FA51301218
● FA51308230	● FA51301330	● FA51301230
● FA51308233	● FA51301333	● FA51301233



@3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

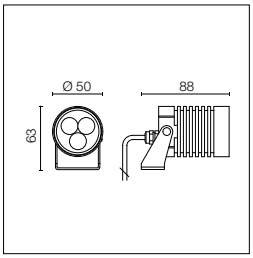
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

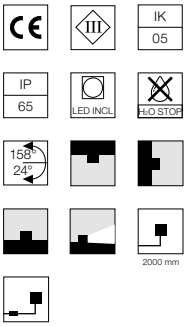
Acc. RF25754	1
Acc. RF25748	1
Acc. RF25747	2
Acc. RF25757	2

Acc. RF25752	3
Acc.F990B28A000	9
Acc. F990B27A000	17

Aimer 2 HP







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente. Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

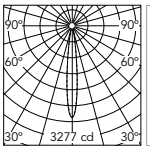
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. Dimmable version available upon request.

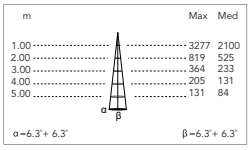
2200K available on request.

Optic Spot 10°

Power Led: 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51308401	○ FA51302301	○ FA51302201
● FA51308406	● FA51302306	● FA51302206
● FA51308412	● FA51302312	● FA51302212
● FA51308418	● FA51302318	● FA51302218
● FA51308430	● FA51302330	● FA51302230
● FA51308433	● FA51302333	● FA51302233



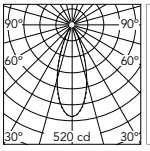


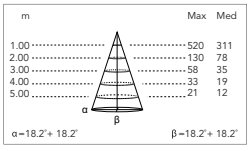
@3000K

Optic Medium 30°

Power Led: 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51308601	○ FA51303301	○ FA51303201
● FA51308606	● FA51303306	● FA51303206
● FA51308612	● FA51303312	● FA51303212
● FA51308618	● FA51303318	● FA51303218
● FA51308630	● FA51303330	● FA51303230
● FA51308633	● FA51303333	● FA51303233





@3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

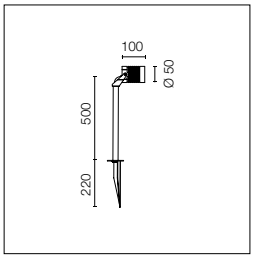
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

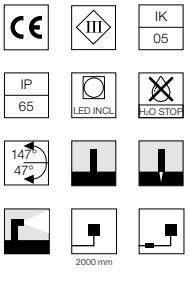
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25757	2
Acc. RF25748	1	Acc.F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17

Aimer 2 Bollard 500







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e morsettiera a 2 poli e 3 vie con sistema H2O STOP per connessione a tenuta stagna. Vetro trasparente extrachiaro. Picchetto per installazione a terra incluso.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

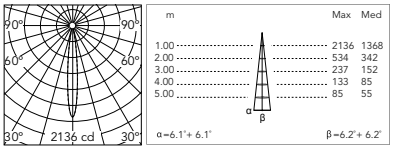
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51308801	○ FA51303601	○ FA51303501
● FA51308806	● FA51303606	● FA51303506
● FA51308812	● FA51303612	● FA51303512
● FA51308818	● FA51303618	● FA51303518
● FA51308830	● FA51303630	● FA51303530
● FA51308833	● FA51303633	● FA51303533

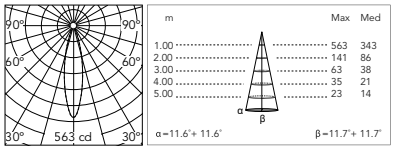


@3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51309001	○ FA51303901	○ FA51303801
● FA51309006	● FA51303906	● FA51303806
● FA51309012	● FA51303912	● FA51303812
● FA51309018	● FA51303918	● FA51303818
● FA51309030	● FA51303930	● FA51303830
● FA51309033	● FA51303933	● FA51303833



@3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

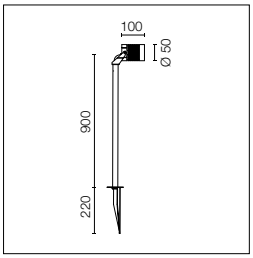
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

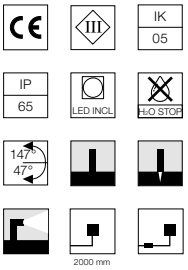
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25757	2
Acc. RF25748	1	Acc. RF25752	3
Acc. FA235	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17

Aimer 2 Bollard 900







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e morsettiera a 2 poli e 3 vie con sistema H2O STOP per connessione a tenuta stagna. Vetro trasparente extrachiaro. Picchetto per installazione a terra incluso.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

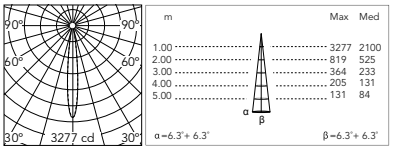
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51309201	○ FA51304801	○ FA51304701
● FA51309206	● FA51304806	● FA51304706
● FA51309212	● FA51304812	● FA51304712
● FA51309218	● FA51304818	● FA51304718
● FA51309230	● FA51304830	● FA51304730
● FA51309233	● FA51304833	● FA51304733

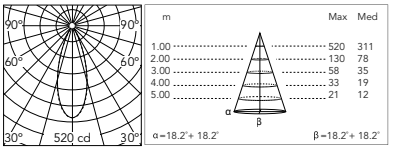


@3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51309401	○ FA51305101	○ FA51305001
● FA51309406	● FA51305106	● FA51305006
● FA51309412	● FA51305112	● FA51305012
● FA51309418	● FA51305118	● FA51305018
● FA51309430	● FA51305130	● FA51305030
● FA51309433	● FA51305133	● FA51305033



@3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

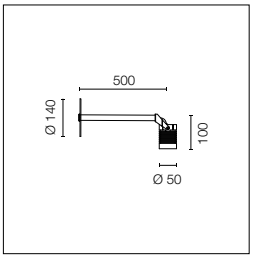
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

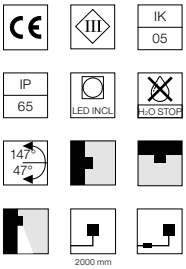
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. RF25754	1	Acc. RF25757	2
Acc. RF25748	1	Acc. RF25752	3
Acc. FA235	1	Acc. F990B28A000	9
Acc. RF25747	2	Acc. F990B27A000	17

Aimer 2 Wall 500







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e morsettiera a 2 poli e 3 vie con sistema H2O STOP per connessione a tenuta stagna. Vetro trasparente extrachiaro. Picchetto per installazione a terra incluso.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

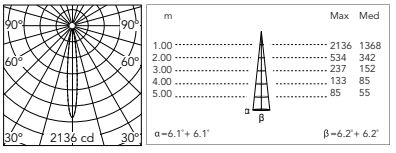
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51309601	○ FA51306001	○ FA51305901
● FA51309606	● FA51306006	● FA51305906
● FA51309612	● FA51306012	● FA51305912
● FA51309618	● FA51306018	● FA51305918
● FA51309630	● FA51306030	● FA51305930
● FA51309633	● FA51306033	● FA51305933

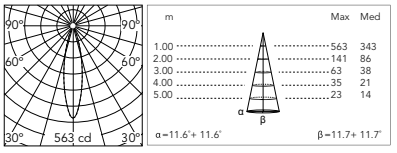


@3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51309801	○ FA51306301	○ FA51306201
● FA51309806	● FA51306306	● FA51306206
● FA51309812	● FA51306312	● FA51306212
● FA51309818	● FA51306318	● FA51306218
● FA51309830	● FA51306330	● FA51306230
● FA51309833	● FA51306333	● FA51306233



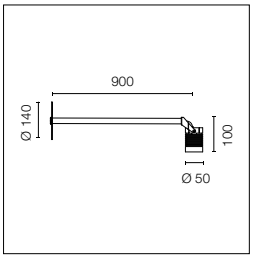
@3000K

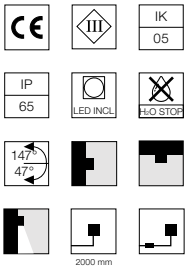
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.				
		Acc. RF25754	1	Acc. F990B28A000	9
		Acc. RF25748	1	Acc. F990B27A000	17
		Acc. RF25752	3		

Aimer 2 Wall 900







Sorgente a LED inclusa. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Dotato di spezzone di cavo uscente in neoprene di 2000 mm e morsettiera a 2 poli e 3 vie con sistema H2O STOP per connessione a tenuta stagna. Vetro trasparente extrachiaro. Picchetto per installazione a terra incluso.
Versione dimmerabile a richiesta.

2200K disponibile su richiesta.

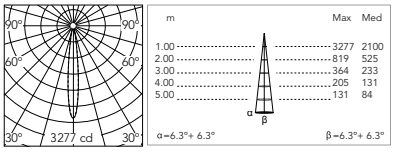
LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

Optic Spot 10°

Power Led: 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51310001	○ FA51306601	○ FA51306501
● FA51310006	● FA51306606	● FA51306506
● FA51310012	● FA51306612	● FA51306512
● FA51310018	● FA51306618	● FA51306518
● FA51310030	● FA51306630	● FA51306530
● FA51310033	● FA51306633	● FA51306533

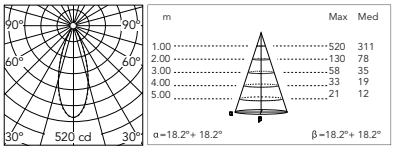


@3000K

Optic Medium 30°

Power Led: 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

2700K	3000K	4000K
○ FA51310201	○ FA51306901	○ FA51306801
● FA51310206	● FA51306906	● FA51306806
● FA51310212	● FA51306912	● FA51306812
● FA51310218	● FA51306918	● FA51306818
● FA51310230	● FA51306930	● FA51306830
● FA51310233	● FA51306933	● FA51306833

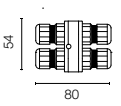
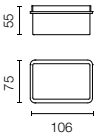


@3000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. RF25754	1	Acc. F990B28A000	9
		Acc. RF25748	1	Acc. F990B27A000	17
		Acc. RF25752	3		

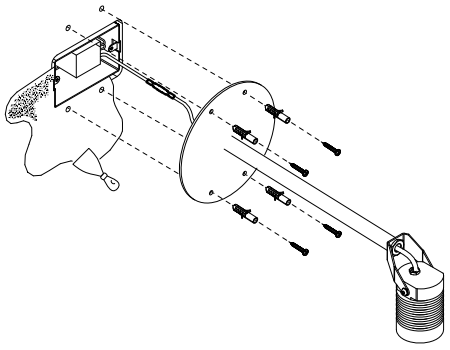
Aimer 2: Accessori / Accessories

Picchetto per installazione a terra.	Ground spike.	**Spot / Bollard** FA136		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	**Bollard** F990C010000		
Scatola di derivazione da incasso 3 moduli (modello 503)	Recessed 3-module junction box (model 503)	**Wall** F990H010000		

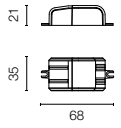
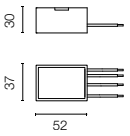
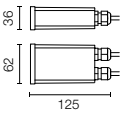
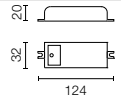
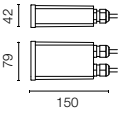
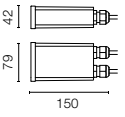
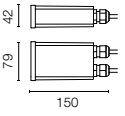
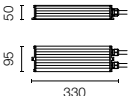
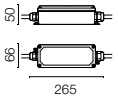
Aimer 2 Wall Bracket with box cod. F990H010000

Opzionale: alimentatore art. F990H010000 in scatola da incasso.

Optional: power supply code F990H010000 in recessed box.

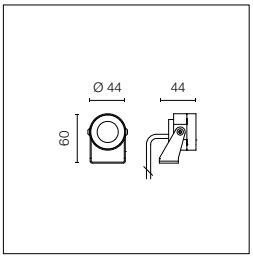


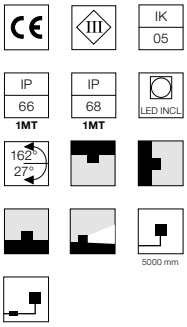
Aimer 2: Driver/ Drivers

Alimentatore doppia funzione Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Classe II Selv Eq.	Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq.	*RF25754		
Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	*RF25748		
Alimentatore 8W/110÷240V - 24Vdc IP67 Classe II Selv Eq.	Power supply 8W/110÷240V - 24Vdc IP67 Class II selv. Eq.	**Bollard** *FA235		
Alimentatore 24V 10W / 110-240V IP20 Classe II selv.	Power supply 24V 10W /110-240V IP20 Class II selv.	**Spot / Bollard** *RF25747		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	**Spot / Bollard** *RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	**Bollard / Wall** *RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	*F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	*F990B27A000		

Aimer 1 Aqua







Sorgente a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota 350mA ON/OFF e dimmerabile 1-10V o DALI da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente. 2700K e 3000K a richiesta.

2200K disponibile su richiesta.

LED source. 316L stainless steel body and bracket, suitable for submersion. Remote power supply 350 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

2200K available on request.

Optic Medium 30°

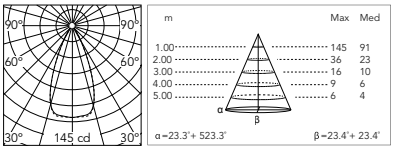
Power Led: 1,1W - LED 120 lm ≠ OUTPUT 99 lm - 3000K/CRI 80 - 350 mA / 1,1W - 124 lm ≠ OUTPUT 103 lm - 4000K/CRI 80 - 350 mA

3000K

- FA10517114557.A

4000K

- FA10517114357.A



@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

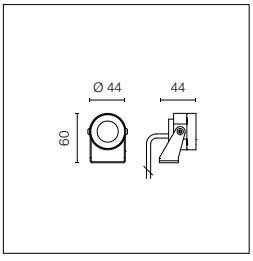
Acc. RF25748	6
Acc. FA184	**16
Acc. FA238.A	**9

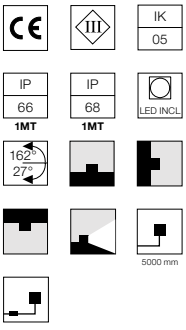
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 1 Aqua RGB







Sorgente RGB a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota con interfaccia DMX 3CHx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro sabbiato serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi Aimer 1 Aqua RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Sandblasted screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 10 luminaires Aimer 1 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

RGB Power Led: 3,4W - 3CH x 350mA

RGB

- FA10517314357.A

Photometric data on request.

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

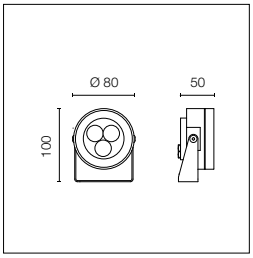
Acc. F990B22A000	**10

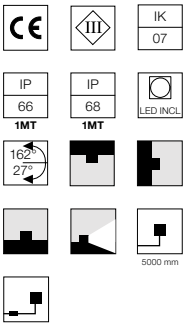
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 3 Aqua







Sorgente a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente. 2700K e 3000K a richiesta.

2200K disponibile su richiesta.

LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

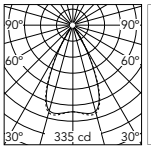
2200K available on request.

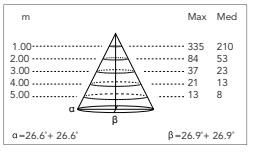
Optic Medium 50°

Power Led: 3,3W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 3,3W - 373 lm ≠ OUTPUT 278 lm - 4000K/CRI 80 - 24Vdc

3000K
- FA10517214657

4000K
- FA10517214457





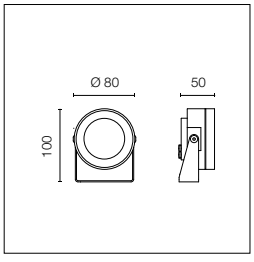
@ 4000K

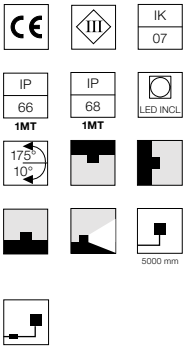
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. RF25748	1	Acc. F990B28A000	7
		Acc. RF25757	2	Acc. F990B27A000	14
		Acc. RF25752	3		

Aimer 3 Aqua RGB







Sorgente RGB a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota con interfaccia DMX 3CHx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 10 apparecchi Aimer 3 Aqua RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 10 luminaires Aimer 3 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Optic Medium 35°

RGB Power Led: 3,4W - 3CH x 350mA

RGB
- FA10517414457

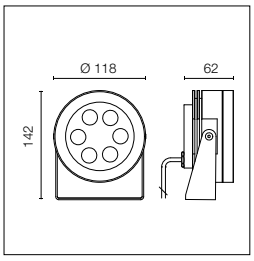
Photometric data on request.

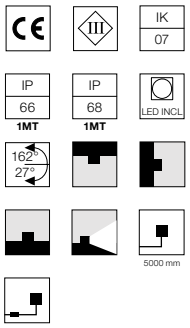
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.	Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.	Acc. F990B22A000	**10	**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.	**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

Aimer 4 Aqua







Sorgente a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.
2700K e 3000K a richiesta.

2200K disponibile su richiesta.

LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

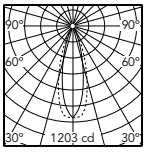
2200K available on request.

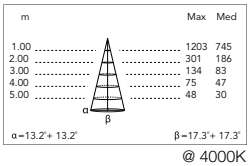
Optic Medium 26°

Power Led: 8W - 646 lm ≠ OUTPUT 409 lm - 3000K/CRI 80 - 24Vdc / 8W - 687 lm ≠ OUTPUT 435 lm - 4000K/CRI 80 - 24Vdc

3000K
- FA10526614757

4000K
- FA10526614557





@ 4000K

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

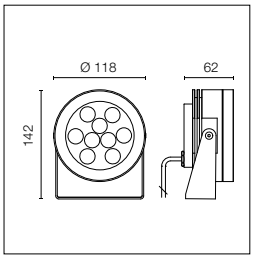
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

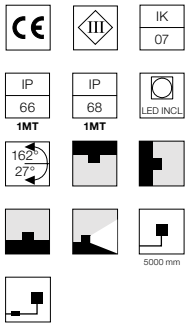
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. F990B28A000 3
Acc. F990B27A000 6

Aimer 5 Aqua







Sorgente a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota 24V dc ON/OFF da ordinare separatamente. Connessione in parallelo. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente extrachiaro. Picchetto per installazione a terra da ordinare separatamente.
2700K e 3000K a richiesta.

2200K disponibile su richiesta.

LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

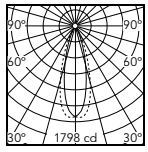
2200K available on request.

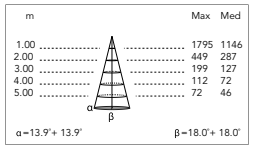
Optic Medium 28°

Power Led: 11W - 969 lm ≠ OUTPUT 680 lm - 3000K/CRI 80 - 24Vdc / 11W - 1031 lm ≠ OUTPUT 723 lm - 4000K/CRI 80 - 24Vdc

3000K
- FA10521114757

4000K
- FA10521114557





@ 4000K

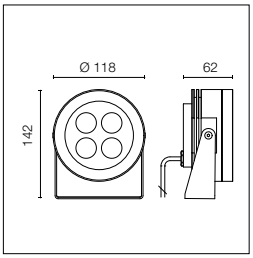
* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

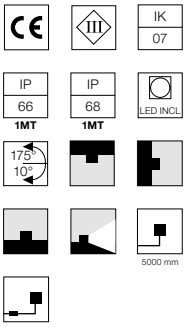
Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. F990B28A000 3
Acc. F990B27A000 7
Acc. FA184 1







Sorgente RGB a LED inclusa. Corpo e staffa in acciaio inox 316L adatti per l'immersione. Alimentazione elettrica remota con interfaccia DMX 3CHx350mA da ordinare separatamente. Connessione in serie. Dotato di spezzone di cavo uscente in neoprene di 5000 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Staffa di fissaggio inclusa. Vetro trasparente serigrafato. Picchetto per installazione a terra da ordinare separatamente.

Schema elettrico e installazione sistema RGB.

Massimo 2 apparecchi Aimer 5 Aqua RGB per ogni codice F990B22A000.

Vedere Schema Elettrico n.5 Page 832.

RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

Wiring diagram and installation scheme RGB.

Max 2 luminaires Aimer 5 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 832.

Optic Medium 50°

RGB Power Led: 13,6W - 3CH x 350mA

RGB

- FA10525614557

Photometric data on request.

* Numero massimo di apparecchi per alimentatore / Maximum number of luminaires per power supply.

Numero massimo di apparecchi per alimentatore (Vin220÷240). Dati indicativi da verificare con le specifiche condizioni di installazione.

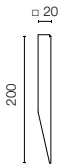
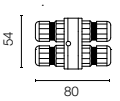
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Acc. *F990B22A000 **2

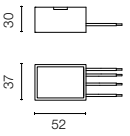
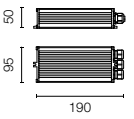
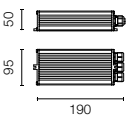
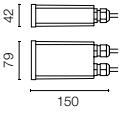
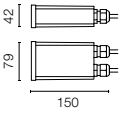
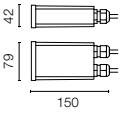
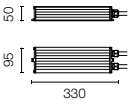
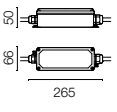
**La tensione ai capi del sistema è in funzione del numero di apparecchi collegati in serie, attenersi alle norme CEI 64-8.

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

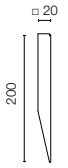
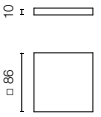
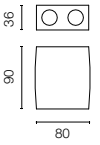
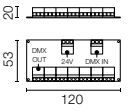
Aimer Aqua: Accessori / Accessories

Picchetto per installazione a terra.	Ground spike.	Aqua Aimer 1 / 3 / 4 / 5 FA136		
Sistema di giunzione IP68 H2O Stop anti-condensa a 3/4 vie 4 poli. (Ø5,5÷12mm cavo).	3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	Aqua Aimer 3 / 4 / 5 F990C010000		
Sistema di giunzione IP68 H2O Stop anti-condensa a 2 vie 4 poli. (Ø5,5÷12mm cavo).	2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable).	Aqua Aimer 3 / 4 / 5 F990C00A000		

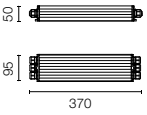
Aimer Aqua: Driver / Drivers

Alimentatore 24V 8W / 110-240V IP65 Classe II selv.	Power supply 24V 8W / 110-240V IP65 Class II selv.	Aqua Aimer 1 / 3 *RF25748		
Alimentatore 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv.	Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv.	Aqua Aimer 1 / 5 *FA184 Dimmable Push-Dim Or 1-10V See Wiring Diagram n.3.Page 830		
Alimentatore 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C	Power supply 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C.	Aqua Aimer 1 / 3 *FA238.A Dimmable DALI See Wiring Diagram n.3.Page 830		
Alimentatore 24V 10W / 110-240V IP67 Classe II selv.	Power supply 24V 10W / 110-240V IP67 Class II selv.	Aqua Aimer 3 / 4 / 5 *RF25757		
Alimentatore per installazione remota 24Vdc 20W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv.	Aqua Aimer 3 / 4 / 5 *RF25752		
Alimentatore 24Vdc 35W / 120-270V IP67 Classe II selv.	Power supply 24Vdc 35W / 120-270V IP67 Class II selv.	F990B23AZ00		
Alimentatore per installazione remota 24Vdc 50W / 120-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv.	Aqua Aimer 3 / 4 / 5 *F990B28A000		
Alimentatore per installazione remota 24Vdc 70W / 220-240V IP67 Classe II selv.	Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv.	Aqua Aimer 3 / 4 / 5 *F990B27A000		

Aimer Aqua RGB: Accessori / Accessories

Picchetto per installazione a terra.	Ground spike.	Aqua Aimer 1 / 3 / 4 / 5 RGB FA136		
Controller DMX a parete per scatole ad incasso (60mm interasse fori).	DMX controller; dimmer switch for recessed box (60mm hole centres).	F990B10A000		
Controller DMX stand-alone/interfaccia PC.	DMX controller; stand-alone/PC interface.	F990B11A000		
DMX splitter 512 - dispositivo elettronico per rigenerare segnale DMX monodirezionale 1 Input e 7 output, 12-24 Vdc.	DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc.	F990B13A000		
Cavo DMX schermato con impedenza costante 110 Ohm.	DMX cable - shielded twisted pair with 110 Ohm constant impedance.	F990B12A000		

Aimer Aqua RGB: Driver / Drivers

Alimentatore con interfaccia DMX per apparecchi RGB 36W/220÷240V-3CH x 350mA (3CH x 10 x 1W) predisposizione DMX IP67 Classe I Selv Eq.	Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq.	*F990B22A000		

Franco





Franco



Famiglia / Family

Franco 1



CoB Led
up to 24W
up to 1920 lm - 2700K/CRI 80
up to 2065 lm - 3000K/CRI 80
up to 2166 lm - 4000K/CRI 80

Power Led
up to 20W
up to 1506 lm - 2700K/CRI 80
up to 1619 lm - 3000K/CRI 80
up to 1698 lm - 4000K/CRI 80
2200K available on request.

Franco 2



CoB Led
up to 43W
up to 3143 lm - 2700K/CRI 80
up to 3380 lm - 3000K/CRI 80
up to 3465 lm - 4000K/CRI 80

Franco 3



CoB Led
up to 52W
up to 3757 lm - 2700K/CRI 80
up to 4040 lm - 3000K/CRI 80
up to 4142 lm - 4000K/CRI 80

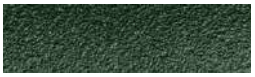
Power Led
up to 43W
up to 3676 lm - 2700K/CRI 80
up to 3939 lm - 3000K/CRI 80
up to 4070 lm - 4000K/CRI 80
2200K available on request.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

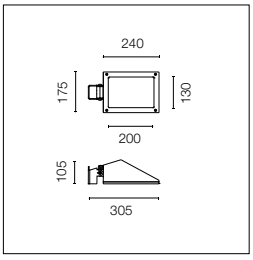
Descrizione / Description

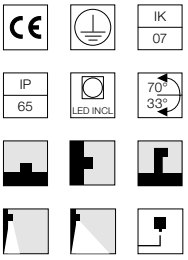
Famiglia di apparecchi di illuminazione con sorgente luminosa a LED orientabili a proiezione, predisposti per installazione a parete e a palo come testapalo. Disponibile in tre tagli dimensionali e in varie ottiche per dimensione, comprese ottiche stradali per applicazioni in contesto urbano. Corpo in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame) e riflettore in alluminio superpuro. Diffusore in vetro extrachiaro con bordo serigrafato fissato alla cornice attraverso un sistema di incollaggio robotizzato. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Staffa di fissaggio in acciaio inox AISI 316L graduata per garantire una regolazione precisa della unità emittente e una orientabilità di 120° circa sull'asse verticale. L'apparecchio è dotato di un pressacavo in metallo. Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Completano la gamma una serie completa di pali cilindrici di diverso diametro ed altezza da interrare o con base di fissaggio e tirafondi; nella versione Franco 1 braccio a parete dedicato per l'illuminazione in aggetto di insegne.

Family of tiltable projection luminaires with LED source for wall and post mounting. Available in three dimensions and with different light beams for every dimension, including optics for urban uses. Die cast aluminum body EN AB-47100 (with low copper content) and super pure aluminum reflector. Extraclear glass diffuser with silkscreen edge, attached to the frame with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 120º on the vertical axis. Completed with a metal cable guide. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Completed with a series of cylinder posts in different diameters and heights that can be ground recessed or fixed with an anchor plate and lag screws. The MiniFranco version is equipped with a protruding arm for wall mounting and sign lighting.

Franco 1 CoB Led







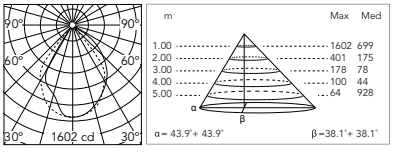
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm) e connettore IP68. Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: paletti; pali e relativi bracci per installazione come testapalo; braccio in aggetto a parete.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts; mounts and arms to install as a mast; protruding arm for wall mounting.

Symmetric Optic

CoB Led: 24W - 2856 lm ≠ OUTPUT 1920 lm - 2700K/CRI 80 - 220-240V / 24W - 3071 lm ≠ OUTPUT 2065 lm - 3000K/CRI 80 - 220-240V / 24W - 3221 lm ≠ OUTPUT 2166 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA162812301.A	○ FA162811301	○ FA162801301.A
● FA162812306.A	● FA162811306	● FA162801306.A
● FA162812312.A	● FA162811312	● FA162801312.A
● FA162812318.A	● FA162811318	● FA162801318.A
● FA162812330.A	● FA162811330	● FA162801330.A
● FA162812333.A	● FA162811333	● FA162801333.A

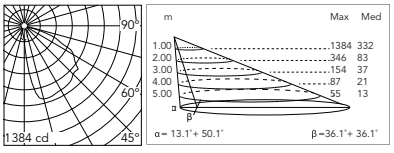


@ 3000K

Asymmetric Optic

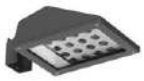
CoB Led: 24W - 2856 lm ≠ OUTPUT 1506 lm - 2700K/CRI 80 - 220-240V / 24W - 3071 lm ≠ OUTPUT 1619 lm - 3000K/CRI 80 - 220-240V / 24W - 3221 lm ≠ OUTPUT 1698 lm - 4000K/CRI 80 - 220-240V

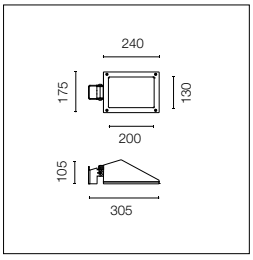
2700K	3000K	4000K
○ FA162812401.A	○ FA162811401	○ FA162801401.A
● FA162812406.A	● FA162811406	● FA162801406.A
● FA162812412.A	● FA162811412	● FA162801412.A
● FA162812418.A	● FA162811418	● FA162801418.A
● FA162812430.A	● FA162811430	● FA162801430.A
● FA162812433.A	● FA162811433	● FA162801433.A

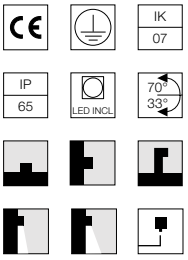


@ 3000K

Franco 1 Power Led







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: paletti; pali e relativi bracci per installazione come testapalo; braccio in aggetto a parete.

2200K disponibile su richiesta.

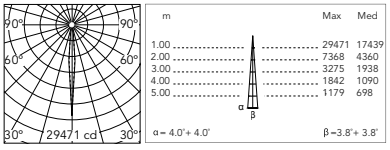
LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts; mounts and arms to install as a mast; protruding arm for wall mounting.

2200K available on request.

Optic Spot 10°

Power Led: 20W - 1776 lm ≠ OUTPUT 1371 lm - 2700K/CRI 80 - 220÷240V / 20W - 1914 lm ≠ OUTPUT 1486 lm - 3000K/CRI 80 - 220÷240V / 20W - 1987 lm ≠ OUTPUT 1543 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA161012201	○ FA161011201	○ FA162241201
● FA161012206	● FA161011206	● FA162241206
● FA161012212	● FA161011212	● FA162241212
● FA161012218	● FA161011218	● FA162241218
● FA161012230	● FA161011230	● FA162241230
● FA161012233	● FA161011233	● FA162241233

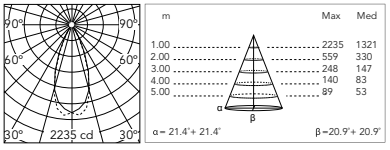


@ 3000K

Optic Medium 40°

Power Led: 20W - 1776 lm ≠ OUTPUT 1281 lm - 2700K/CRI 80 - 220÷240V / 20W - 1914 lm ≠ OUTPUT 1388 lm - 3000K/CRI 80 - 220÷240V / 20W - 1987 lm ≠ OUTPUT 1442 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA161012301	○ FA161011301	○ FA162241301
● FA161012306	● FA161011306	● FA162241306
● FA161012312	● FA161011312	● FA162241312
● FA161012318	● FA161011318	● FA162241318
● FA161012330	● FA161011330	● FA162241330
● FA161012333	● FA161011333	● FA162241333



@ 3000K

Franco 1 / Ø 60mm - Poles

Con Base
Completo di aggancio testa palo fisso. Proiettore non orientabile

With Base
With fixed pole head hooking. Non-adjustable projector



H 500mm
- FA100501
- FA100506
- FA100512
- FA100518
- FA100530
- FA100533

H 900mm
- FA100901
- FA100906
- FA100912
- FA100918
- FA100930
- FA100933

H 2000mm
- FA11701
- FA11706
- FA11712
- FA11718
- FA11730
- FA11733

Da Interrare (+300 mm Interrati)

In-Ground (+300 mm Root)



H 500mm
- FA110501
- FA110506
- FA110512
- FA110518
- FA110530
- FA110533

H 900mm
- FA110901
- FA110906
- FA110912
- FA110918
- FA110930
- FA110933

Franco 1 / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.



H 3500mm
- FA24806
- FA24833

H 4500mm
- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm
- FA25006
- FA25033

H 4500mm
- FA25106
- FA25133

Franco 1 / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.

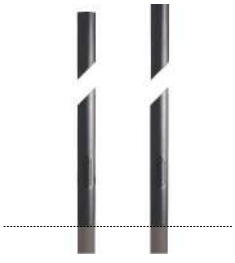


H 4000mm
- FA414006
- FA414033

H 5000mm
- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

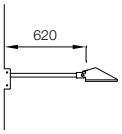
In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 4000mm
- FA414506
- FA414533

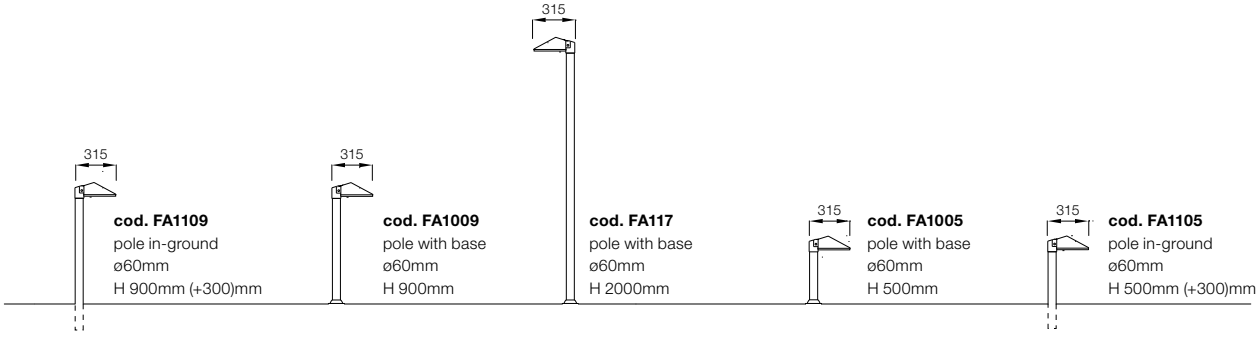
H 5000mm
- FA415506
- FA415533

Proiettore a Parete Orientabile / Adjustable Projector on Wall



cod.FA88
wall bracket ø60mm
L 620mm

Proiettore a Palo Non Orientabile / Non-Adjustable Projector on Pole



cod. FA1109
pole in-ground
ø60mm
H 900mm (+300)mm

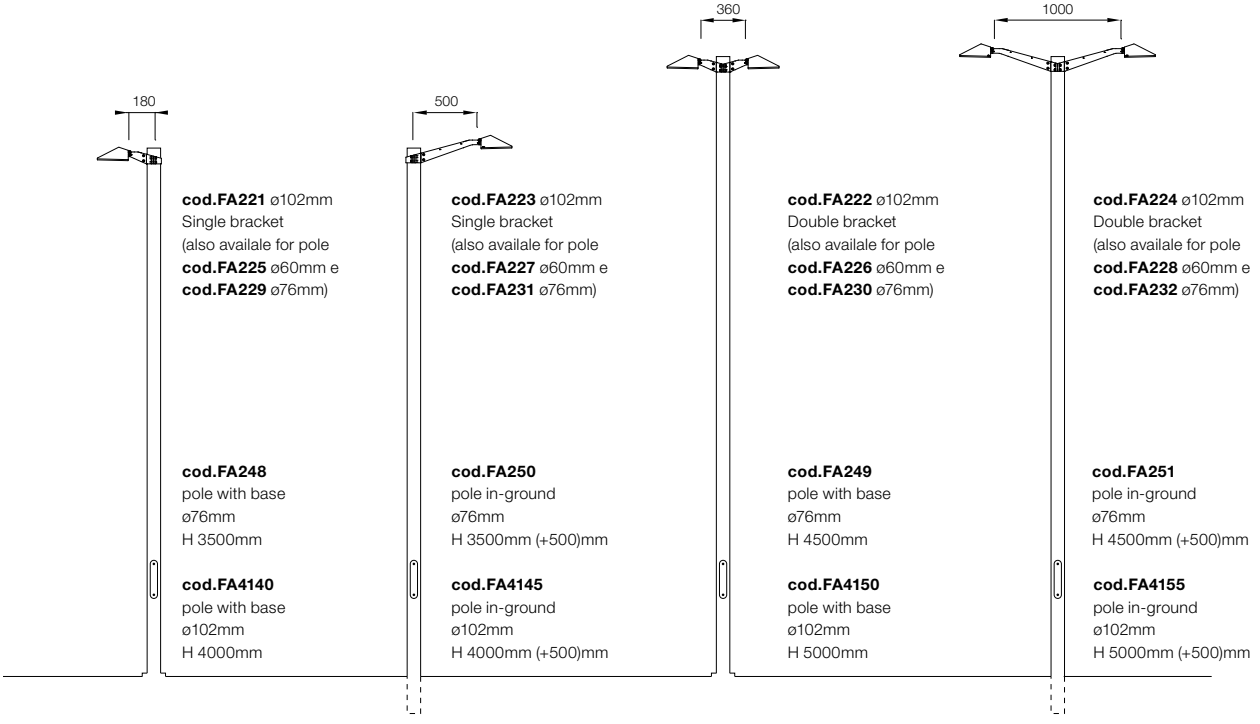
cod. FA1009
pole with base
ø60mm
H 900mm

cod. FA117
pole with base
ø60mm
H 2000mm

cod. FA1005
pole with base
ø60mm
H 500mm

cod. FA1105
pole in-ground
ø60mm
H 500mm (+300)mm

Proiettore a Palo Orientabile / Adjustable Projector on Pole



cod.FA221 ø102mm
Single bracket
(also availale for pole
cod.FA225 ø60mm e
cod.FA229 ø76mm)

cod.FA223 ø102mm
Single bracket
(also availale for pole
cod.FA227 ø60mm e
cod.FA231 ø76mm)

cod.FA222 ø102mm
Double bracket
(also availale for pole
cod.FA226 ø60mm e
cod.FA230 ø76mm)

cod.FA224 ø102mm
Double bracket
(also availale for pole
cod.FA228 ø60mm e
cod.FA232 ø76mm)

cod.FA248
pole with base
ø76mm
H 3500mm

cod.FA250
pole in-ground
ø76mm
H 3500mm (+500)mm

cod.FA249
pole with base
ø76mm
H 4500mm

cod.FA251
pole in-ground
ø76mm
H 4500mm (+500)mm

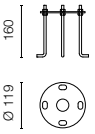
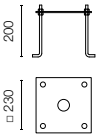
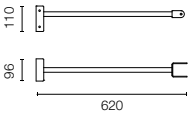
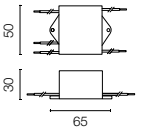
cod.FA4140
pole with base
ø102mm
H 4000mm

cod.FA4145
pole in-ground
ø102mm
H 4000mm (+500)mm

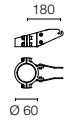
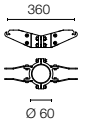
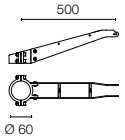
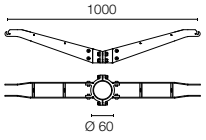
cod.FA4150
pole with base
ø102mm
H 5000mm

cod.FA4155
pole in-ground
ø102mm
H 5000mm (+500)mm

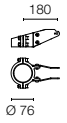
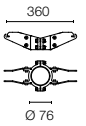
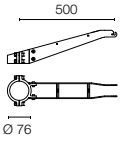
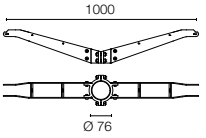
Franco 1: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	H: 500 / 900 / 2000mm FA243		
Piastra tirafondi.	Base plate with bolt.	H: 3500 / 4500mm with base FA116		
Braccio 620mm.	Wall bracket 620mm.	○ FA8801 ● FA8806 ● FA8812 ● FA8818 ● FA8830 ● FA8833		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

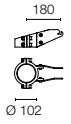
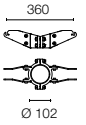
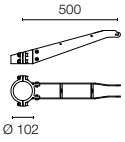
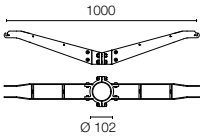
Franco 1 Ø 60mm

Braccio singolo 180mm. Per palo Ø 60mm.	Single bracket 180mm. For pole Ø 60mm.	● FA22506 ● FA22533		
Braccio doppio 180mm Per palo Ø 60mm.	Double bracket 180mm. For pole Ø 60mm.	● FA22606 ● FA22633		
Braccio singolo 500mm. Per palo Ø 60mm.	Single bracket 500mm. For pole Ø 60mm.	● FA22706 ● FA22733		
Braccio doppio 500mm Per palo Ø 60mm.	Double bracket 500mm. For pole Ø 60mm.	● FA22806 ● FA22833		

Franco 1 Ø 76mm

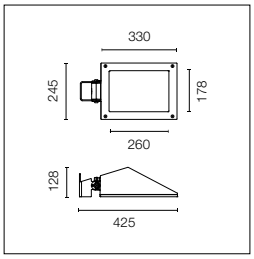
Braccio singolo 180mm. Per palo Ø 76mm.	Single bracket 180mm. For pole Ø 76mm.	○ FA22906 ● FA22933		
Braccio doppio 180mm Per palo Ø 76mm.	Double bracket 180mm. For pole Ø 76mm.	○ FA23006 ● FA23033		
Braccio singolo 500mm. Per palo Ø 76mm.	Single bracket 500mm. For pole Ø 76mm.	○ FA23106 ● FA23133		
Braccio doppio 500mm Per palo Ø 76mm.	Double bracket 500mm. For pole Ø 76mm.	○ FA23206 ● FA23233		

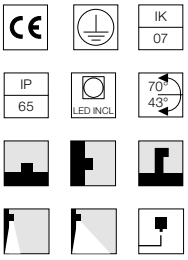
Franco 1 Ø 102mm

Braccio singolo 180mm. Per palo Ø 102mm.	Single bracket 180mm. For pole Ø 102mm.	○ FA22106 ● FA22133		
Braccio doppio 180mm Per palo Ø 102mm.	Double bracket 180mm. For pole Ø 102mm.	○ FA22206 ● FA22233		
Braccio singolo 500mm. Per palo Ø 102mm.	Single bracket 500mm. For pole Ø 102mm.	○ FA22306 ● FA22333		
Braccio doppio 500mm Per palo Ø 102mm.	Double bracket 500mm. For pole Ø 102mm.	○ FA22406 ● FA22433		

Franco 2 CoB Led







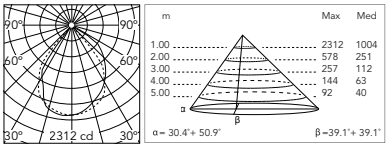
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: paletti; pali e relativi bracci per installazione come testapalo; braccio in aggetto a parete.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Symmetric Optic

CoB Led: 43W - 5043 lm ≠ OUTPUT 3143 lm - 2700K/CRI 80 - 220÷240V / 43W - 5423 lm ≠ OUTPUT 3380 lm - 3000K/CRI 80 - 220÷240V / 43W - 5560 lm ≠ OUTPUT 3465 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA962832301.A	○ FA962831301.A	○ FA962821301.A
● FA962832306.A	● FA962831306.A	● FA962821306.A
● FA962832312.A	● FA962831312.A	● FA962821312.A
● FA962832318.A	● FA962831318.A	● FA962821318.A
● FA962832330.A	● FA962831330.A	● FA962821330.A
● FA962832333.A	● FA962831333.A	● FA962821333.A

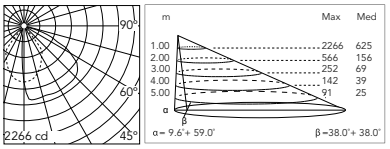


@ 3000K

Asymmetric Optic

CoB Led: 43W - 5043 lm ≠ OUTPUT 2648 lm - 2700K/CRI 80 - 220÷240V / 43W - 5423 lm ≠ OUTPUT 2847 lm - 3000K/CRI 80 - 220÷240V / 43W - 5560 lm ≠ OUTPUT 2919 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA962832401.A	○ FA962831401.A	○ FA962821401.A
● FA962832406.A	● FA962831406.A	● FA962821406.A
● FA962832412.A	● FA962831412.A	● FA962821412.A
● FA962832418.A	● FA962831418.A	● FA962821418.A
● FA962832430.A	● FA962831430.A	● FA962821430.A
● FA962832433.A	● FA962831433.A	● FA962821433.A



@ 3000K

Franco 2 / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 3500mm
- FA24806
- FA24833

H 4500mm
- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm
- FA25006
- FA25033

H 4500mm
- FA25106
- FA25133

Franco 2 / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.

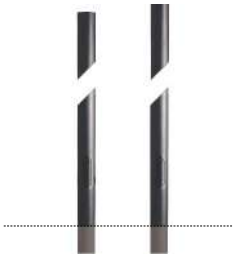


H 4000mm
- FA414006
- FA414033

H 5000mm
- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

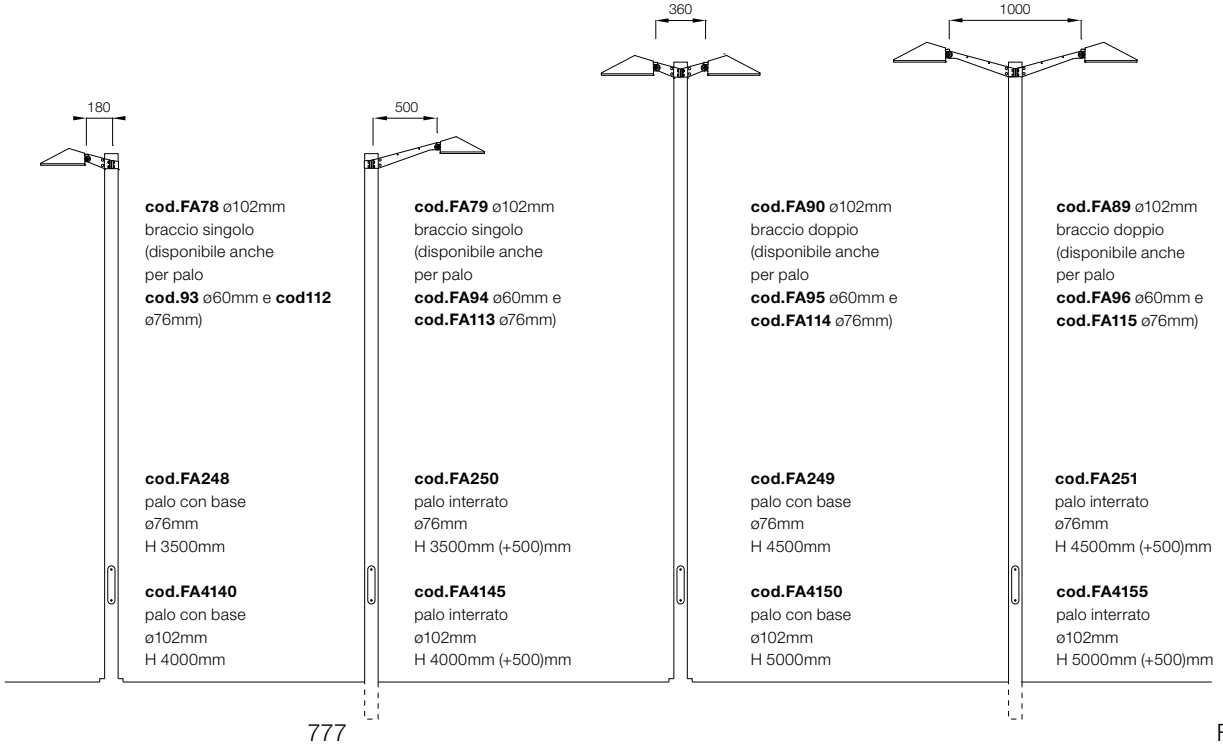
In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



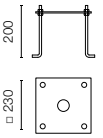
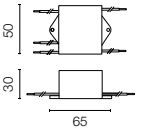
H 4000mm
- FA414506
- FA414533

H 5000mm
- FA415506
- FA415533

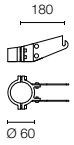
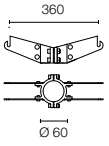
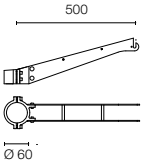
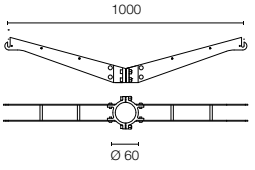
Installation scheme: Franco 2



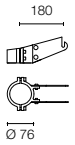
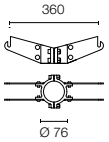
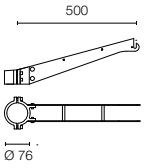
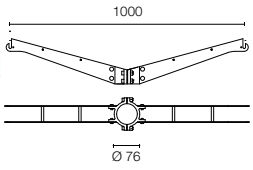
Franco 2: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA116		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	CoB LED F990E00A000		

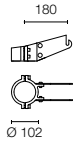
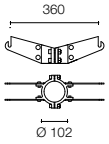
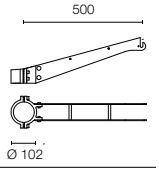
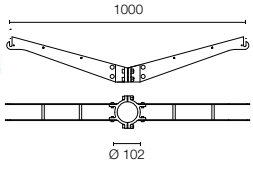
Franco 2 Ø 60mm

Braccio singolo 180mm. Per palo Ø 60mm.	Single bracket 180mm. For pole Ø 60mm.	● FA9306 ● FA9333		
Braccio doppio 180mm Per palo Ø 60mm.	Double bracket 180mm. For pole Ø 60mm.	● FA9506 ● FA9533		
Braccio singolo 500mm. Per palo Ø 60mm.	Single bracket 500mm. For pole Ø 60mm.	● FA9406 ● FA9433		
Braccio doppio 500mm Per palo Ø 60mm.	Double bracket 500mm. For pole Ø 60mm.	● FA9606 ● FA9633		

Franco 2 Ø 76mm

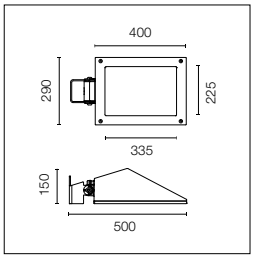
Braccio singolo 180mm. Per palo Ø 76mm.	Single bracket 180mm. For pole Ø 76mm.	○ FA11206 ● FA11233	 
Braccio doppio 180mm Per palo Ø 76mm.	Double bracket 180mm. For pole Ø 76mm.	○ FA11406 ● FA11433	 
Braccio singolo 500mm. Per palo Ø 76mm.	Single bracket 500mm. For pole Ø 76mm.	○ FA11306 ● FA11333	 
Braccio doppio 500mm Per palo Ø 76mm.	Double bracket 500mm. For pole Ø 76mm.	○ FA11506 ● FA11533	 

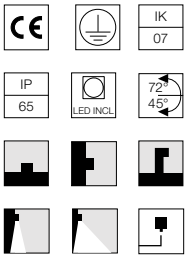
Franco 2 Ø 102mm

Braccio singolo 180mm. Per palo Ø 102mm.	Single bracket 180mm. For pole Ø 102mm.	○ FA7806 ● FA7833	 
Braccio doppio 180mm Per palo Ø 102mm.	Double bracket 180mm. For pole Ø 102mm.	○ FA9006 ● FA9033	 
Braccio singolo 500mm. Per palo Ø 102mm.	Single bracket 500mm. For pole Ø 102mm.	○ FA7906 ● FA7933	 
Braccio doppio 500mm Per palo Ø 102mm.	Double bracket 500mm. For pole Ø 102mm.	○ FA8906 ● FA8933	 

Franco 3 CoB Led







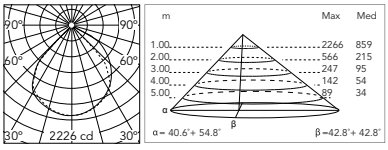
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: paletti; pali e relativi bracci per installazione come testapalo; braccio in aggetto a parete.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Symmetric Optic

CoB Led: 52W - 5847 lm ≠ OUTPUT 3757 lm - 2700K/CRI 80 - 220÷240V / 52W - 6287 lm ≠ OUTPUT 4040 lm - 3000K/CRI 80 - 220÷240V / 52W - 6446 lm ≠ OUTPUT 4142 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA972842301.A	○ FA972851301.A	○ FA972841301.A
● FA972842306.A	● FA972851306.A	● FA972841306.A
● FA972842312.A	● FA972851312.A	● FA972841312.A
● FA972842318.A	● FA972851318.A	● FA972841318.A
● FA972842330.A	● FA972851330.A	● FA972841330.A
● FA972842333.A	● FA972851333.A	● FA972841333.A

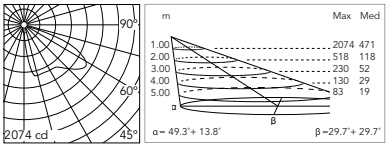


@ 3000K

Asymmetric Optic

CoB Led: 52W - 5847 lm ≠ OUTPUT 3072 lm - 2700K/CRI 80 - 220÷240V / 52W - 6287 lm ≠ OUTPUT 3303 lm - 3000K/CRI 80 - 220÷240V / 52W - 6446 lm ≠ OUTPUT 3386 lm - 4000K/CRI 80 - 220÷240V

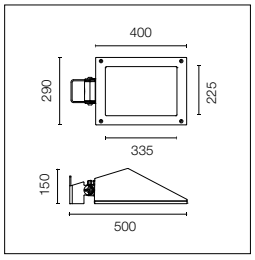
2700K	3000K	4000K
○ FA942842401.A	○ FA942851401.A	○ FA972841401.A
● FA942842406.A	● FA942851406.A	● FA972841406.A
● FA942842412.A	● FA942851412.A	● FA972841412.A
● FA942842418.A	● FA942851418.A	● FA972841418.A
● FA942842430.A	● FA942851430.A	● FA972841430.A
● FA942842433.A	● FA942851433.A	● FA972841433.A

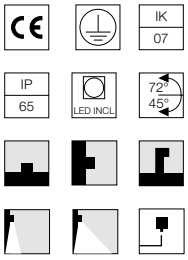


@ 3000K

Franco 3 Power Led





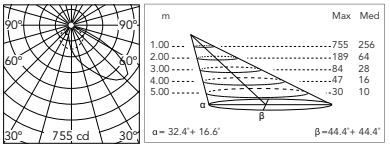


Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: paletti; pali e relativi bracci per installazione come testapalo; braccio in aggetto a parete.

LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Asymmetric Optic

Power Led: 43W - 5775 lm ≠ OUTPUT 3676 lm - 2700K/CRI 80 - 220÷240V / 43W - 5589 lm ≠ OUTPUT 3939 lm - 3000K/CRI 80 - 220÷240V / 43W - 5216 lm ≠ OUTPUT 4070 lm - 4000K/CRI 80 - 220÷240V

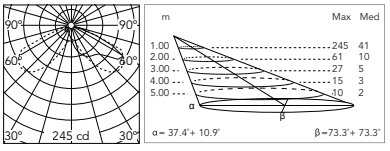


@ 3000K

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA972472301	○ FA972481301	○ FA972471301.A
● FA972472306	● FA972481306	● FA972471306.A
● FA972472312	● FA972481312	● FA972471312.A
● FA972472318	● FA972481318	● FA972471318.A
● FA972472330	● FA972481330	● FA972471330.A
● FA972472333	● FA972481333	● FA972471333.A
1-10V	1-10V	1-10V
○ FA972472301-310	○ FA972481301-310	○ FA972471301-310.A
● FA972472306-310	● FA972481306-310	● FA972471306-310.A
● FA972472312-310	● FA972481312-310	● FA972471312-310.A
● FA972472318-310	● FA972481318-310	● FA972471318-310.A
● FA972472330-310	● FA972481330-310	● FA972471330-310.A
● FA972472333-310	● FA972481333-310	● FA972471333-310.A
Dali	Dali	Dali
○ FA972472301-300	○ FA972481301-300	○ FA972471301-300.A
● FA972472306-300	● FA972481306-300	● FA972471306-300.A
● FA972472312-300	● FA972481312-300	● FA972471312-300.A
● FA972472318-300	● FA972481318-300	● FA972471318-300.A
● FA972472330-300	● FA972481330-300	● FA972471330-300.A
● FA972472333-300	● FA972481333-300	● FA972471333-300.A

Street Light Optic

Power Led: 43W - 5775 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 43W - 5589 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 43W - 5216 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V



@ 3000K

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA972472401	○ FA972481401	○ FA972471401.A
● FA972472406	● FA972481406	● FA972471406.A
● FA972472412	● FA972481412	● FA972471412.A
● FA972472418	● FA972481418	● FA972471418.A
● FA972472430	● FA972481430	● FA972471430.A
● FA972472433	● FA972481433	● FA972471433.A
1-10V	1-10V	1-10V
○ FA972472401-310	○ FA972481401-310	○ FA972471401-310.A
● FA972472406-310	● FA972481406-310	● FA972471406-310.A
● FA972472412-310	● FA972481412-310	● FA972471412-310.A
● FA972472418-310	● FA972481418-310	● FA972471418-310.A
● FA972472430-310	● FA972481430-310	● FA972471430-310.A
● FA972472433-310	● FA972481433-310	● FA972471433-310.A
Dali	Dali	Dali
○ FA972472401-300	○ FA972481401-300	○ FA972471401-300.A
● FA972472406-300	● FA972481406-300	● FA972471406-300.A
● FA972472412-300	● FA972481412-300	● FA972471412-300.A
● FA972472418-300	● FA972481418-300	● FA972471418-300.A
● FA972472430-300	● FA972481430-300	● FA972471430-300.A
● FA972472433-300	● FA972481433-300	● FA972471433-300.A

Franco 3 / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 3500mm

- FA24806
- FA24833

H 4500mm

- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm

- FA25006
- FA25033

H 4500mm

- FA25106
- FA25133

Franco 3 / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 4000mm

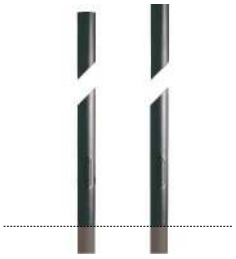
- FA414006
- FA414033

H 5000mm

- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



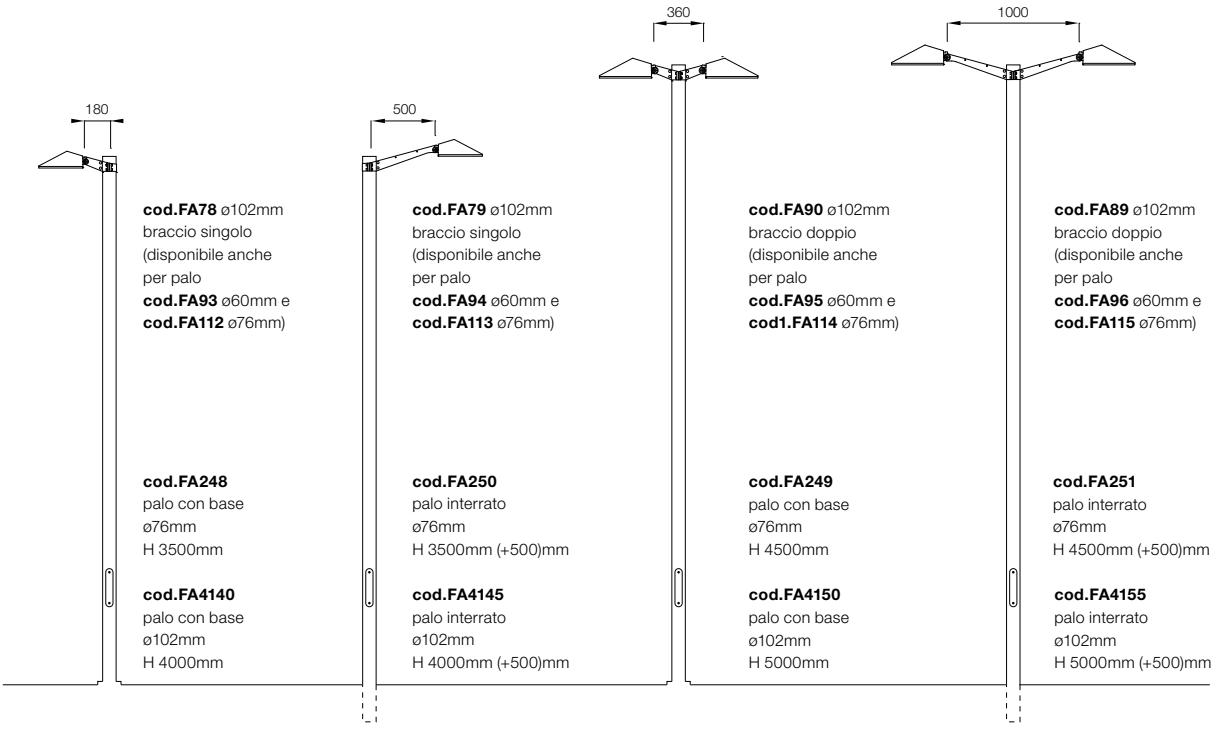
H 4000mm

- FA414506
- FA414533

H 5000mm

- FA415506
- FA415533

Installation scheme: Franco 3



cod.FA78 ø102mm
braccio singolo
(disponibile anche
per palo
cod.FA93 ø60mm e
cod.FA112 ø76mm)

cod.FA79 ø102mm
braccio singolo
(disponibile anche
per palo
cod.FA94 ø60mm e
cod.FA113 ø76mm)

cod.FA90 ø102mm
braccio doppio
(disponibile anche
per palo
cod.FA95 ø60mm e
cod1.FA114 ø76mm)

cod.FA89 ø102mm
braccio doppio
(disponibile anche
per palo
cod.FA96 ø60mm e
cod.FA115 ø76mm)

cod.FA248
palo con base
ø76mm
H 3500mm

cod.FA4140
palo con base
ø102mm
H 4000mm

cod.FA250
palo interrato
ø76mm
H 3500mm (+500)mm

cod.FA4145
palo interrato
ø102mm
H 4000mm (+500)mm

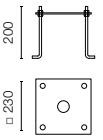
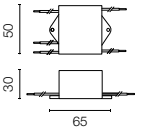
cod.FA249
palo con base
ø76mm
H 4500mm

cod.FA4150
palo con base
ø102mm
H 5000mm

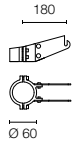
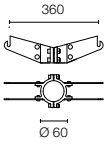
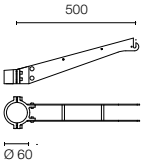
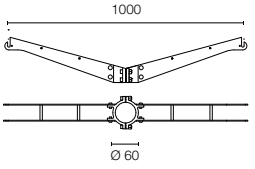
cod.FA251
palo interrato
ø76mm
H 4500mm (+500)mm

cod.FA4155
palo interrato
ø102mm
H 5000mm (+500)mm

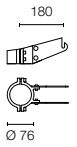
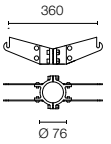
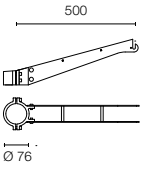
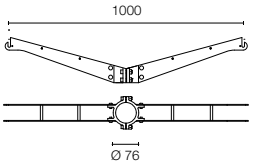
Franco 3: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA116		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	CoB LED / Power LED F990E00A000		

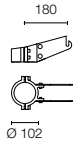
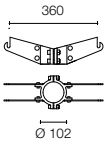
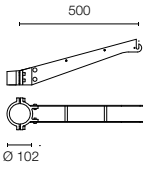
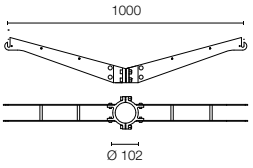
Franco 3 Ø 60mm

Braccio singolo 180mm. Per palo Ø 60mm.	Single bracket 180mm. For pole Ø 60mm.	○ FA9306 ● FA9333		
Braccio doppio 180mm Per palo Ø 60mm.	Double bracket 180mm. For pole Ø 60mm.	○ FA9506 ● FA9533		
Braccio singolo 500mm. Per palo Ø 60mm.	Single bracket 500mm. For pole Ø 60mm.	○ FA9406 ● FA9433		
Braccio doppio 500mm Per palo Ø 60mm.	Double bracket 500mm. For pole Ø 60mm.	○ FA9606 ● FA9633		

Franco 3 Ø 76mm

Braccio singolo 180mm. Per palo Ø 76mm.	Single bracket 180mm. For pole Ø 76mm.	○ FA11206 ● FA11233		
Braccio doppio 180mm Per palo Ø 76mm.	Double bracket 180mm. For pole Ø 76mm.	○ FA11406 ● FA11433		
Braccio singolo 500mm. Per palo Ø 76mm.	Single bracket 500mm. For pole Ø 76mm.	○ FA11306 ● FA11333		
Braccio doppio 500mm Per palo Ø 76mm.	Double bracket 500mm. For pole Ø 76mm.	○ FA11506 ● FA11533		

Franco 3 Ø 102mm

Braccio singolo 180mm. Per palo Ø 102mm.	Single bracket 180mm. For pole Ø 102mm.	○ FA7806 ● FA7833		
Braccio doppio 180mm Per palo Ø 102mm.	Double bracket 180mm. For pole Ø 102mm.	○ FA9006 ● FA9033		
Braccio singolo 500mm. Per palo Ø 102mm.	Single bracket 500mm. For pole Ø 102mm.	○ FA7906 ● FA7933		
Braccio doppio 500mm Per palo Ø 102mm.	Double bracket 500mm. For pole Ø 102mm.	○ FA8906 ● FA8933		

Perseo





Perseo





Famiglia / Family

Perseo 1



Power Led
up to 7W
up to 373 lm - 2700K/CRI 80
up to 401 lm - 3000K/CRI 80
up to 427 lm - 4000K/CRI 80
2200K available on request.

Mid-Power Led
up to 9W
up to 435 lm - 2700K/CRI 80
up to 468 lm - 3000K/CRI 80
up to 491 lm - 4000K/CRI 80

Perseo 2



Power Led
up to 12W
up to 866 lm - 2700K/CRI 80
up to 963 lm - 3000K/CRI 80
up to 984 lm - 4000K/CRI 80
2200K available on request.

Mid-Power Led
up to 11W
up to 580 lm - 2700K/CRI 80
up to 624 lm - 3000K/CRI 80
up to 655 lm - 4000K/CRI 80

Perseo 3



Power Led
up to 20W
up to 1559 lm - 2700K/CRI 80
up to 1732 lm - 3000K/CRI 80
up to 1771 lm - 4000K/CRI 80
2200K available on request.

Perseo 4



Power Led
up to 53W
up to 3989 lm - 2700K/CRI 80
up to 4332 lm - 3000K/CRI 80
up to 4533 lm - 4000K/CRI 80
2200K available on request.

RGB - Power Led
up to 40W + 220-240V
DMX interface.

Colori / Colours

01 White



06 Grey



12 Forest Green



18 Deep Brown



30 Black



33 Anthracite

Descrizione / Description

Famiglia completa di apparecchi di illuminazione con sorgente luminosa a LED orientabili a proiezione, predisposti per installazione a parete, a palo come testapalo, a soffitto e a terra con picchetto da ordinare separatamente. Disponibile in quattro tagli dimensionali e in varie ottiche per dimensione, comprese ottiche stradali per applicazioni in contesto urbano. Corpo in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame) e riflettore in alluminio superpuro. Diffusore in vetro extrachiaro o sabbiato con bordo serigrafato fissato alla cornice attraverso un sistema di incollaggio robotizzato. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. Staffa di fissaggio in acciaio inox AISI 316L verniciata della stessa finitura del corpo apparecchio.

Perseo 1 / Perseo 2
Apparecchi orientabili a proiezione, predisposti per installazione a parete, a soffitto e a terra, disponibili in tre fasci di apertura: spot, medium (vetro trasparente) e diffuso (vetro sabbiato). L'apparecchio è dotato di uno spezzone di cavo uscente in neoprene e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. La staffa di fissaggio in acciaio inox AISI 316L permette una orientabilità di 180° circa sull'asse verticale. Completano la gamma gli accessori opzionali picchetto per installazione a terra, paletti per installazione come bollard e bracci a parete dedicati per l'illuminazione in aggetto di insegne. Nei paletti e nei bracci sono inclusi i connettori IP68 per il cablaggio facile e sicuro.

Perseo 3 / Perseo 4
Apparecchi orientabili a proiezione, predisposti per installazione a parete, a palo come testapalo, a soffitto e a terra, disponibili in quattro fasci di apertura: spot, medium, asimmetrico e ottica stradale per inserimento in contesto urbano. L'apparecchio è dotato di un pressacavo in metallo. Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. La staffa di fissaggio in acciaio inox AISI 316L è graduata per garantire una regolazione precisa della unità emittente e una orientabilità di 150° circa sull'asse verticale. Completano la gamma gli accessori opzionali: paletti per installazione come bollard; bracci a parete dedicati per l'illuminazione in aggetto di insegne (nei paletti e nei bracci sono inclusi i connettori IP68 per il cablaggio facile e sicuro); una serie completa di pali cilindrici di diverso diametro ed altezza da interrare o con base di fissaggio e tirafondi; bracci singoli e doppi di due lunghezze per pali di differenti diametri; visiera wall-washer e ghiera anti-vandalo.
Disponibile per Perseo 4 la versione RGB per la creazione di scenografie luminose colorate.

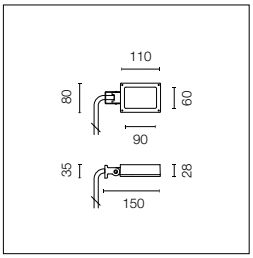
Complete family of tiltable projection luminaires with LED source, designed for wall, post, ceiling and ground mounting with a metal nail that needs to be ordered separately. Available in four dimensions and with different light beams for every dimension, including optics for urban uses. Die cast aluminum body EN AB-47100 (with low copper content) and super pure aluminum reflector. Extraclear or frosted glass diffuser with silkscreen edge, attached to the frame with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket with the same finish as the luminaire body.

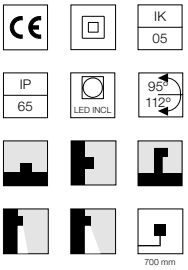
Perseo 1 / Perseo 2
Tiltable projection luminaires for wall, ceiling, and ground mounting. Three beam angles available: slim, medium (transparent glass) and diffused (frosted glass). Equipped with a protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. The AISI 316L stainless steel fixing bracket allows for a tilting of approx. 180º on the vertical axis. The range is completed with the following optional accessories: ground spike; feet to install the luminaire as a bollard; and protruding arms for sign lighting. The feet and arms include IP68 connectors to guarantee an easy and safe cabling.

Perseo 3 / Perseo 4
Tiltable projection luminaires for wall, post, ceiling, and ground mounting. Four beam angles available: slim, medium, asymmetrical, and urban optics. Equipped with a metal cable guide. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. AISI316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 150º on the vertical axis. The range is completed with the following optional accessories: feet to install the luminaire as a bollard; arms for wall mounting, suitable for sign lighting at a distance (the feet and arms include IP68 connectors for an easy and safe cabling); a complete series of cylinder feet in different diameters and heights to be ground recessed or fixed with anchor plates and lag screws; single and double arms in two lenghts for posts with different diameters, wall-washer visor and anti-vandalism protection lid.
The Perseo 4 model is completed with the RGB version to create sceneries with colored light.

Perseo 1







Sorgente a LED inclusa. Alimentazione elettrica 100-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 700 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: picchetto per installazione a terra; paletti per installazione a terra e bracci per installazione a parete (incluso connettore IP68). Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

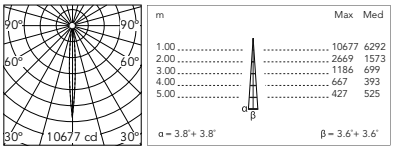
LED source included. Integrated electrical power supply 100-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Extraclear transparent glass.

2200K available on request.

Optic Narrow Spot 8°

Power LED: 7W - 398 lm ≠ OUTPUT 373 lm - 2700K/CRI 80 - 100-240V / 7W - 428 lm ≠ OUTPUT 401 lm - 3000K/CRI 80 - 100-240V / 7W - 456 lm ≠ OUTPUT 427 lm - 4000K/CRI 80 - 100-240V

2700K	3000K	4000K
○ FA52514001.A	○ FA52501301.A	○ FA52501201.A
● FA52514006.A	● FA52501306.A	● FA52501206.A
● FA52514012.A	● FA52501312.A	● FA52501212.A
● FA52514018.A	● FA52501318.A	● FA52501218.A
● FA52514030.A	● FA52501330.A	● FA52501230.A
● FA52514033.A	● FA52501333.A	● FA52501233.A

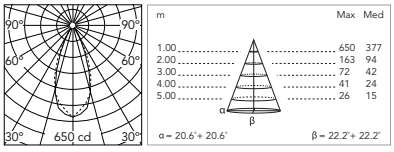


@ 4000K

Optic Medium 40°

Power LED: 7W - 398 lm ≠ OUTPUT 332 lm - 2700K/CRI 80 - 100-240V / 7W - 428 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 100-240V / 7W - 456 lm ≠ OUTPUT 381 lm - 4000K/CRI 80 - 100-240V

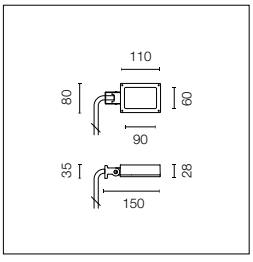
2700K	3000K	4000K
○ FA52514201.A	○ FA52502301.A	○ FA52502201.A
● FA52514206.A	● FA52502306.A	● FA52502206.A
● FA52514212.A	● FA52502312.A	● FA52502212.A
● FA52514218.A	● FA52502318.A	● FA52502218.A
● FA52514230.A	● FA52502330.A	● FA52502230.A
● FA52514233.A	● FA52502333.A	● FA52502233.A

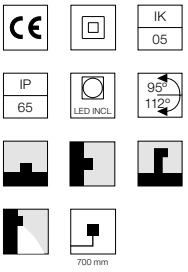


@ 4000K

Perseo 1 Opal







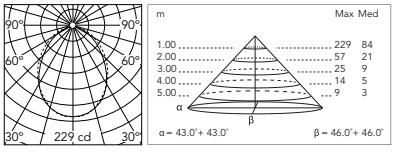
Sorgente a LED inclusa. Alimentazione elettrica 100-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 700 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: picchetto per installazione a terra; paletti per installazione a terra e bracci per installazione a parete (incluso connettore IP68). Vetro sabbiato.

LED source included. Integrated electrical power supply 100-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Frosted glass.

Diffused Light

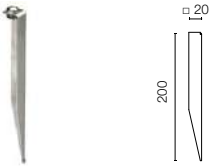
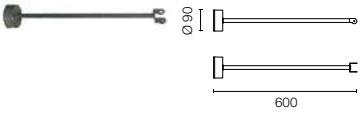
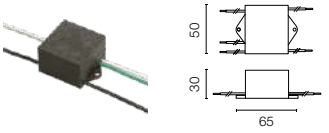
Mid-Power LED: 9W - 836 lm ≠ OUTPUT 435 lm - 2700K/CRI 80 - 100-240V / 9W - 899 lm ≠ OUTPUT 468 lm - 3000K/CRI 80 - 100-240V / 9W - 943 lm ≠ OUTPUT 491 lm - 4000K/CRI 80 - 100-240V

2700K	3000K	4000K
○ FA52514401.A	○ FA52500301.A	○ FA52500201.A
● FA52514406.A	● FA52500306.A	● FA52500206.A
● FA52514412.A	● FA52500312.A	● FA52500212.A
● FA52514418.A	● FA52500318.A	● FA52500218.A
● FA52514430.A	● FA52500330.A	● FA52500230.A
● FA52514433.A	● FA52500333.A	● FA52500233.A

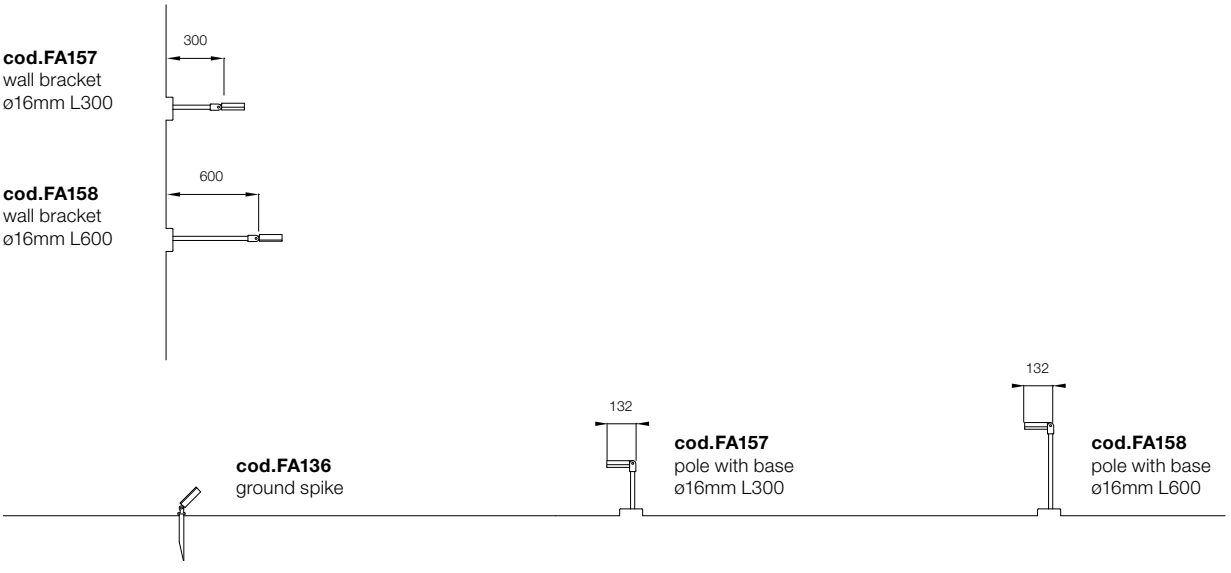


@ 4000K

Perseo 1: Accessori / Accessories

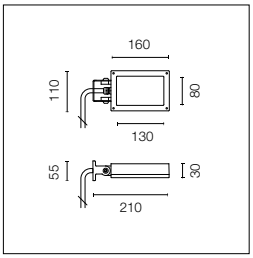
Picchetto per installazione a terra.	Ground spike.	FA136	
Braccio / Palo 300mm.	Wall bracket / Pole 300mm.	○ FA15701 ● FA15706 ● FA15712 ● FA15718 ● FA15730 ● FA15733	
Braccio / Palo 600mm.	Wall bracket / Pole 600mm.	○ FA15801 ● FA15806 ● FA15812 ● FA15818 ● FA15830 ● FA15833	
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	

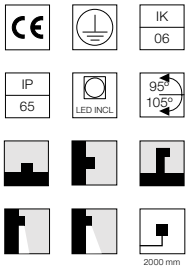
Installation scheme: Perseo 1



Perseo 2







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 700 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: picchetto per installazione a terra; paletti per installazione a terra e bracci per installazione a parete (incluso connettore IP68). Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

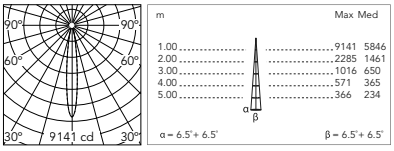
LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Extraclear transparent glass.

2200K available on request.

Optic Spot 13°

Power Led: 12W - 1256 lm ≠ OUTPUT 866 lm - 2700K/CRI 80 - 220-240V / 12W - 1395 lm ≠ OUTPUT 963 lm - 3000K/CRI 80 - 220-240V / 12W - 1465 lm ≠ OUTPUT 984 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
○ FA52514601	○ FA52504301	○ FA52504201
● FA52514606	● FA52504306	● FA52504206
● FA52514612	● FA52504312	● FA52504212
● FA52514618	● FA52504318	● FA52504218
● FA52514630	● FA52504330	● FA52504230
● FA52514633	● FA52504333	● FA52504233

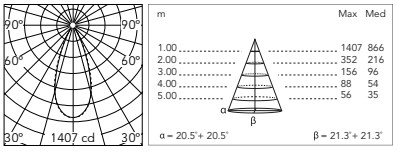


@ 4000K

Optic Medium 42°

Power Led: 12W - 1256 lm ≠ OUTPUT 745 lm - 2700K/CRI 80 - 220-240V / 12W - 1395 lm ≠ OUTPUT 828 lm - 3000K/CRI 80 - 220-240V / 12W - 1465 lm ≠ OUTPUT 846 lm - 4000K/CRI 80 - 220-240V

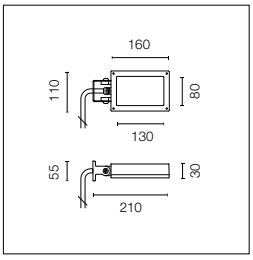
2700K	3000K	4000K
○ FA52514801	○ FA52505301	○ FA52505201
● FA52514806	● FA52505306	● FA52505206
● FA52514812	● FA52505312	● FA52505212
● FA52514818	● FA52505318	● FA52505218
● FA52514830	● FA52505330	● FA52505230
● FA52514833	● FA52505333	● FA52505233

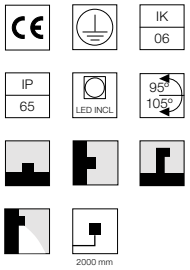


@ 4000K

Perseo 2 Opal







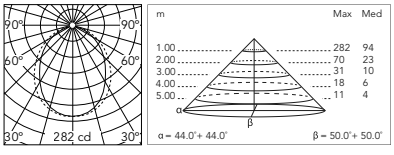
Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 700 mm e kit con connettori crimp e guaina termorestringente adesiva per connessione a tenuta stagna. Accessori opzionali: picchetto per installazione a terra; paletti per installazione a terra e bracci per installazione a parete (incluso connettore IP68). Vetro sabbiato.

LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Frosted glass.

Diffused Light

Mid-Power Led: 11W - 1114 lm ≠ OUTPUT 580 lm - 2700K/CRI 80 - 220-240V / 11W - 1198 lm ≠ OUTPUT 624 lm - 3000K/CRI 80 - 220-240V / 11W - 1258 lm ≠ OUTPUT 655 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
○ FA52515001	○ FA52503301	○ FA52503201
● FA52515006	● FA52503306	● FA52503206
● FA52515012	● FA52503312	● FA52503212
● FA52515018	● FA52503318	● FA52503218
● FA52515030	● FA52503330	● FA52503230
● FA52515033	● FA52503333	● FA52503233



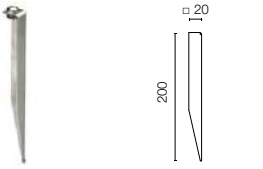
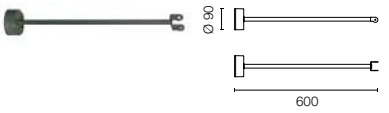
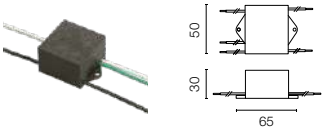
@ 4000K

Perseo 2 / Ø 48mm - Poles With Base

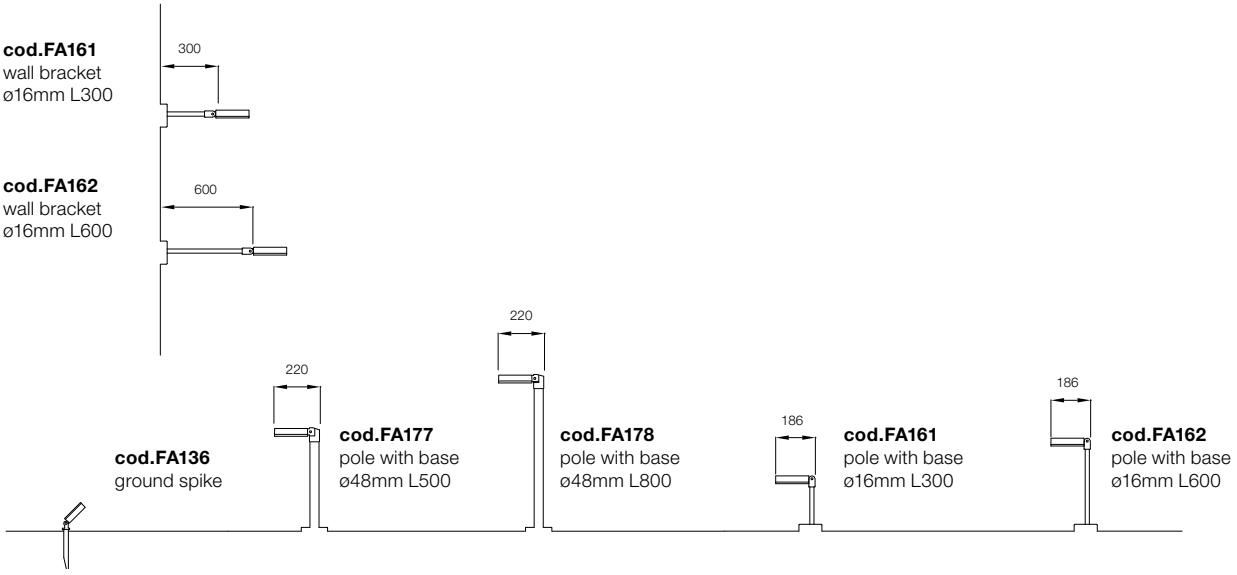


H 500mm	H 800mm
○ FA17701	○ FA17801
● FA17706	● FA17806
● FA17712	● FA17812
● FA17718	● FA17818
● FA17730	● FA17830
● FA17733	● FA17833

Perseo 2: Accessori / Accessories

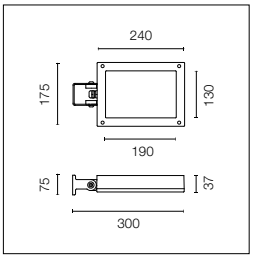
Picchetto per installazione a terra.	Ground spike.	FA136	
Braccio / Palo 300mm.	Wall bracket / Pole 300mm.	○ FA16101 ● FA16106 ● FA16112 ● FA16118 ● FA16130 ● FA16133	
Braccio / Palo 600mm.	Wall bracket / Pole 600mm.	○ FA16201 ● FA16206 ● FA16212 ● FA16218 ● FA16230 ● FA16233	
Piastra tirafondi.	Base plate with bolt.	FA182	
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000	

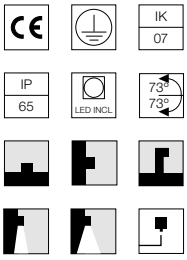
Installation scheme: Perseo 2



Perseo 3







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: braccio in aggetto a parete; paletti; pali e relativi bracci per installazione come testapalo; visiera wall-washer e ghiera anti-vandalo.
Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid.
Extraclear transparent glass.

2200K available on request.

Optic Spot 11°

Power Led: 20W - 2232 lm ≠ OUTPUT 1559 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1732 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1771 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ FA52515201
- ● FA52515206
- ● FA52515212
- ● FA52515218
- ● FA52515230
- ● FA52515233

1-10V
- ○ FA52515201-310
- ● FA52515206-310
- ● FA52515212-310
- ● FA52515218-310
- ● FA52515230-310
- ● FA52515233-310

Dali
- ○ FA52515201-300
- ● FA52515206-300
- ● FA52515212-300
- ● FA52515218-300
- ● FA52515230-300
- ● FA52515233-300

3000K

Non Dimmable
- ○ FA52509301
- ● FA52509306
- ● FA52509312
- ● FA52509318
- ● FA52509330
- ● FA52509333

1-10V
- ○ FA52509301-310
- ● FA52509306-310
- ● FA52509312-310
- ● FA52509318-310
- ● FA52509330-310
- ● FA52509333-310

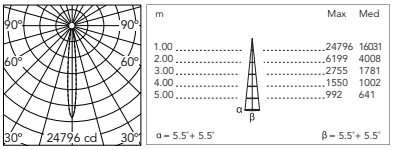
Dali
- ○ FA52509301-300
- ● FA52509306-300
- ● FA52509312-300
- ● FA52509318-300
- ● FA52509330-300
- ● FA52509333-300

4000K

Non Dimmable
- ○ FA52509201
- ● FA52509206
- ● FA52509212
- ● FA52509218
- ● FA52509230
- ● FA52509233

1-10V
- ○ FA52509201-310
- ● FA52509206-310
- ● FA52509212-310
- ● FA52509218-310
- ● FA52509230-310
- ● FA52509233-310

Dali
- ○ FA52509201-300
- ● FA52509206-300
- ● FA52509212-300
- ● FA52509218-300
- ● FA52509230-300
- ● FA52509233-300



@ 4000K

Optic Medium 34°

Power Led: 20W - 2232 lm ≠ OUTPUT 1582 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1757 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1797 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- ○ FA52515401
- ● FA52515406
- ● FA52515412
- ● FA52515418
- ● FA52515430
- ● FA52515433

1-10V
- ○ FA52515401-310
- ● FA52515406-310
- ● FA52515412-310
- ● FA52515418-310
- ● FA52515430-310
- ● FA52515433-310

Dali
- ○ FA52515401-300
- ● FA52515406-300
- ● FA52515412-300
- ● FA52515418-300
- ● FA52515430-300
- ● FA52515433-300

3000K

Non Dimmable
- ○ FA52508301
- ● FA52508306
- ● FA52508312
- ● FA52508318
- ● FA52508330
- ● FA52508333

1-10V
- ○ FA52508301-310
- ● FA52508306-310
- ● FA52508312-310
- ● FA52508318-310
- ● FA52508330-310
- ● FA52508333-310

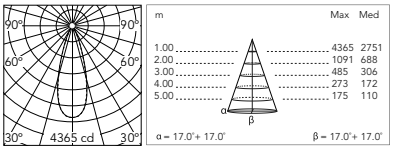
Dali
- ○ FA52508301-300
- ● FA52508306-300
- ● FA52508312-300
- ● FA52508318-300
- ● FA52508330-300
- ● FA52508333-300

4000K

Non Dimmable
- ○ FA52508201
- ● FA52508206
- ● FA52508212
- ● FA52508218
- ● FA52508230
- ● FA52508233

1-10V
- ○ FA52508201-310
- ● FA52508206-310
- ● FA52508212-310
- ● FA52508218-310
- ● FA52508230-310
- ● FA52508233-310

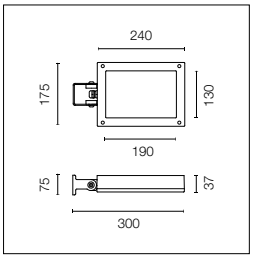
Dali
- ○ FA52508201-300
- ● FA52508206-300
- ● FA52508212-300
- ● FA52508218-300
- ● FA52508230-300
- ● FA52508233-300

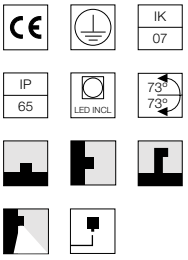


@ 4000K

Perseo 3







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di pressacavo in metallo M16x1,5 (per cavi 4,5mm<ø<10mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: braccio in aggetto a parete; paletti; pali e relativi bracci per installazione come testapalo; visiera wall-washer e ghiera anti-vandalo.

2200K disponibile su richiesta.

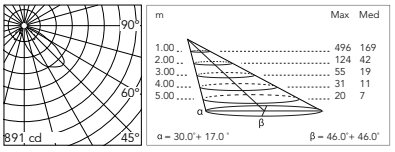
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid.
Extraclear transparent glass.

2200K available on request.

Asymmetric Optic

Power Led: 20W - 2232 lm ≠ OUTPUT 1168 lm - 2700K/CRI 80 - 220-240V / 20W- 2424 lm ≠ OUTPUT 1298 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1327 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA52515601	○ FA52506301	○ FA52506201
● FA52515606	● FA52506306	● FA52506206
● FA52515612	● FA52506312	● FA52506212
● FA52515618	● FA52506318	● FA52506218
● FA52515630	● FA52506330	● FA52506230
● FA52515633	● FA52506333	● FA52506233
1-10V	1-10V	1-10V
○ FA52515601-310	○ FA52506301-310	○ FA52506201-310
● FA52515606-310	● FA52506306-310	● FA52506206-310
● FA52515612-310	● FA52506312-310	● FA52506212-310
● FA52515618-310	● FA52506318-310	● FA52506218-310
● FA52515630-310	● FA52506330-310	● FA52506230-310
● FA52515633-310	● FA52506333-310	● FA52506233-310
Dali	Dali	Dali
○ FA52515601-300	○ FA52506301-300	○ FA52506201-300
● FA52515606-300	● FA52506306-300	● FA52506206-300
● FA52515612-300	● FA52506312-300	● FA52506212-300
● FA52515618-300	● FA52506318-300	● FA52506218-300
● FA52515630-300	● FA52506330-300	● FA52506230-300
● FA52515633-300	● FA52506333-300	● FA52506233-300

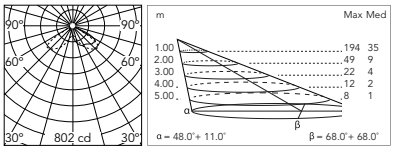


@ 4000K

Street Light 120°

Power Led: 20W - 2232 lm ≠ OUTPUT 972 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1080 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1105 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA52515801	○ FA52507301	○ FA52507201
● FA52515806	● FA52507306	● FA52507206
● FA52515812	● FA52507312	● FA52507212
● FA52515818	● FA52507318	● FA52507218
● FA52515830	● FA52507330	● FA52507230
● FA52515833	● FA52507333	● FA52507233
1-10V	1-10V	1-10V
○ FA52515801-310	○ FA52507301-310	○ FA52507201-310
● FA52515806-310	● FA52507306-310	● FA52507206-310
● FA52515812-310	● FA52507312-310	● FA52507212-310
● FA52515818-310	● FA52507318-310	● FA52507218-310
● FA52515830-310	● FA52507330-310	● FA52507230-310
● FA52515833-310	● FA52507333-310	● FA52507233-310
Dali	Dali	Dali
○ FA52515801-300	○ FA52507301-300	○ FA52507201-300
● FA52515806-300	● FA52507306-300	● FA52507206-300
● FA52515812-300	● FA52507312-300	● FA52507212-300
● FA52515818-300	● FA52507318-300	● FA52507218-300
● FA52515830-300	● FA52507330-300	● FA52507230-300
● FA52515833-300	● FA52507333-300	● FA52507233-300



@ 4000K

Perseo 3 LED / Ø 48mm - Poles

Con Base / With Base



H 800mm

- FA17901
- FA17906
- FA17912
- FA17918
- FA17930
- FA17933

Da Interrare (+300 mm Interrati)

In-Ground (+300 mm Root)



H 2000mm

- FA18001
- FA18006
- FA18012
- FA18018
- FA18030
- FA18033

Perseo 3 LED / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.



H 3500mm

- FA24806
- FA24833

H 4500mm

- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm

- FA25006
- FA25033

H 4500mm

- FA25106
- FA25133

Perseo 3 LED / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 4000mm

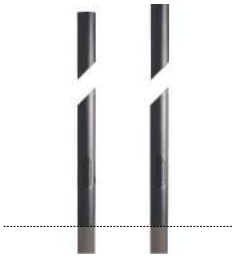
- FA414006
- FA414033

H 5000mm

- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



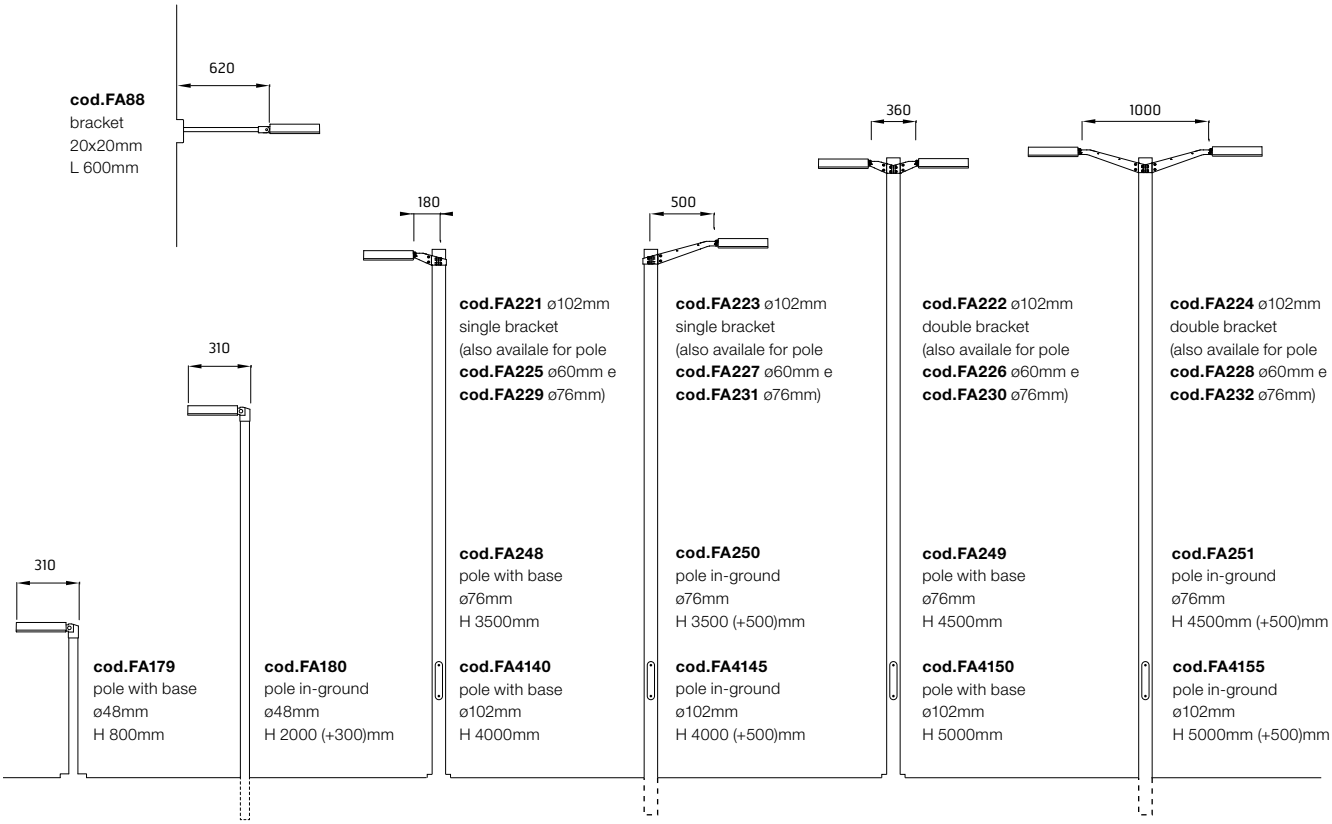
H 4000mm

- FA414506
- FA414533

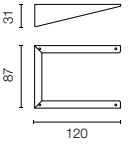
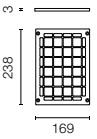
H 5000mm

- FA415506
- FA415533

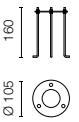
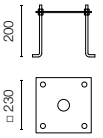
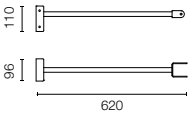
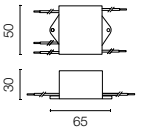
Installation scheme: Perseo 3



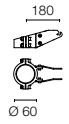
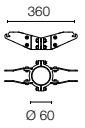
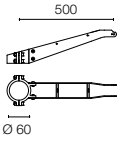
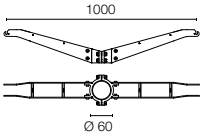
Perseo 3: Accessori / Accessories

Visiera Wall-Washer	Wall Washer Visor	FA16530		
Ghiera anti vandali	Anti vandal louvre	FA16630		

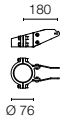
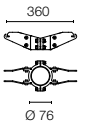
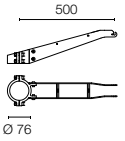
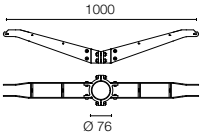
Perseo 3: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	H: 500 / 800mm FA182		
Piastra tirafondi.	Base plate with bolt.	H: 3500 / 4500mm with base FA116		
Braccio 620mm.	Wall bracket 620mm.	○ FA8801 ● FA8806 ● FA8812 ● FA8818 ● FA8830 ● FA8833		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

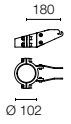
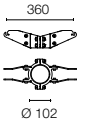
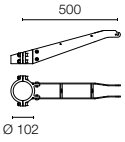
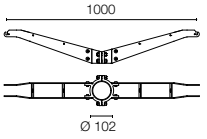
Perseo 3 Ø 60mm

Braccio singolo 180mm. Per palo Ø 60mm.	Single bracket 180mm. For pole Ø 60mm.	● FA22506 ● FA22533		
Braccio doppio 180mm Per palo Ø 60mm.	Double bracket 180mm. For pole Ø 60mm.	● FA22606 ● FA22633		
Braccio singolo 500mm. Per palo Ø 60mm.	Single bracket 500mm. For pole Ø 60mm.	● FA22706 ● FA22733		
Braccio doppio 500mm Per palo Ø 60mm.	Double bracket 500mm. For pole Ø 60mm.	● FA22806 ● FA22833		

Perseo 3 Ø 76mm

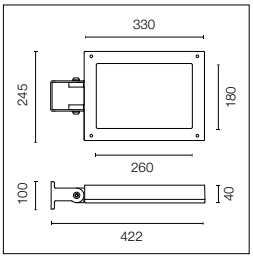
Braccio singolo 180mm. Per palo Ø 76mm.	Single bracket 180mm. For pole Ø 76mm.	○ FA22906 ● FA22933		
Braccio doppio 180mm Per palo Ø 76mm.	Double bracket 180mm. For pole Ø 76mm.	○ FA23006 ● FA23033		
Braccio singolo 500mm. Per palo Ø 76mm.	Single bracket 500mm. For pole Ø 76mm.	○ FA23106 ● FA23133		
Braccio doppio 500mm Per palo Ø 76mm.	Double bracket 500mm. For pole Ø 76mm.	○ FA23206 ● FA23233		

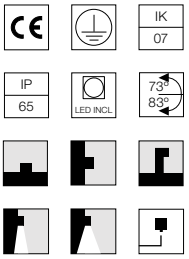
Perseo 3 Ø 102mm

Braccio singolo 180mm. Per palo Ø 102mm.	Single bracket 180mm. For pole Ø 102mm.	○ FA22106 ● FA22133		
Braccio doppio 180mm Per palo Ø 102mm.	Double bracket 180mm. For pole Ø 102mm.	○ FA22206 ● FA22233		
Braccio singolo 500mm. Per palo Ø 102mm.	Single bracket 500mm. For pole Ø 102mm.	○ FA22306 ● FA22333		
Braccio doppio 500mm Per palo Ø 102mm.	Double bracket 500mm. For pole Ø 102mm.	○ FA22406 ● FA22433		

Perseo 4







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio graduata inclusa. Dotato di pressacavo in metallo M20x1,5 (per cavi 7mm<ø<13mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: braccio in aggetto a parete; pali e relativi bracci per installazione come testapalo; visiera wall-washer e ghiera anti-vandalo. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON-OFF and dimmable 1-10V or DALI. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

2200K available on request.

Optic Spot 11°

Power Led: 53W - 5859 lm ≠ OUTPUT 3989 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 4332 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 4533 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- FA52516001
- FA52516006
- FA52516012
- FA52516018
- FA52516030
- FA52516033

1-10V
- FA52516001-310
- FA52516006-310
- FA52516012-310
- FA52516018-310
- FA52516030-310
- FA52516033-310

Dali
- FA52516001-300
- FA52516006-300
- FA52516012-300
- FA52516018-300
- FA52516030-300
- FA52516033-300

3000K

Non Dimmable
- FA52513301
- FA52513306
- FA52513312
- FA52513318
- FA52513330
- FA52513333

1-10V
- FA52513301-310
- FA52513306-310
- FA52513312-310
- FA52513318-310
- FA52513330-310
- FA52513333-310

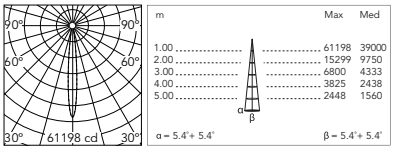
Dali
- FA52513301-300
- FA52513306-300
- FA52513312-300
- FA52513318-300
- FA52513330-300
- FA52513333-300

4000K

Non Dimmable
- FA52513201
- FA52513206
- FA52513212
- FA52513218
- FA52513230
- FA52513233

1-10V
- FA52513201-310
- FA52513206-310
- FA52513212-310
- FA52513218-310
- FA52513230-310
- FA52513233-310

Dali
- FA52513201-300
- FA52513206-300
- FA52513212-300
- FA52513218-300
- FA52513230-300
- FA52513233-300



@ 4000K

Optic Medium 34°

Power Led: 53W - 5859 lm ≠ OUTPUT 4056 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 4405 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 4609 lm - 4000K/CRI 80 - 220-240V

2700K

Non Dimmable
- FA52516201
- FA52516206
- FA52516212
- FA52516218
- FA52516230
- FA52516233

1-10V
- FA52516201-310
- FA52516206-310
- FA52516212-310
- FA52516218-310
- FA52516230-310
- FA52516233-310

Dali
- FA52516201-300
- FA52516206-300
- FA52516212-300
- FA52516218-300
- FA52516230-300
- FA52516233-300

3000K

Non Dimmable
- FA52512301
- FA52512306
- FA52512312
- FA52512318
- FA52512330
- FA52512333

1-10V
- FA52512301-310
- FA52512306-310
- FA52512312-310
- FA52512318-310
- FA52512330-310
- FA52512333-310

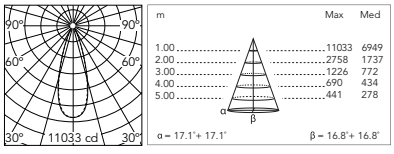
Dali
- FA52512301-300
- FA52512306-300
- FA52512312-300
- FA52512318-300
- FA52512330-300
- FA52512333-300

4000K

Non Dimmable
- FA52512201
- FA52512206
- FA52512212
- FA52512218
- FA52512230
- FA52512233

1-10V
- FA52512201-310
- FA52512206-310
- FA52512212-310
- FA52512218-310
- FA52512230-310
- FA52512233-310

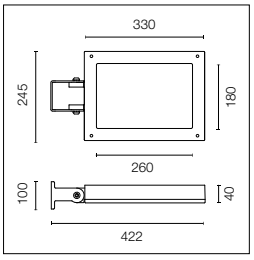
Dali
- FA52512201-300
- FA52512206-300
- FA52512212-300
- FA52512218-300
- FA52512230-300
- FA52512233-300



@ 4000K

Perseo 4





IP 65 · IK 07 · LED INCL · 73° 83°

Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio graduata inclusa. Dotato di pressacavo in metallo M20x1,5 (per cavi 7mm<ø<13mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: braccio in aggetto a parete; pali e relativi bracci per installazione come testapalo; visiera wall-washer e ghiera anti-vandalo. Vetro trasparente extrachiaro.

2200K disponibile su richiesta.

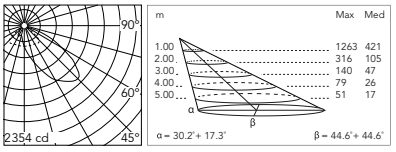
LED source included. Integrated power supply 220-240V ON-OFF and dimmable 1-10V or DALI. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

2200K available on request.

Asymmetric Optic

Power Led: 53W - 5859 lm ≠ OUTPUT 3085 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 3350 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 3505 lm - 4000K/CRI 80 - 220-240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA52516401	○ FA52510301	○ FA52510201
● FA52516406	● FA52510306	● FA52510206
● FA52516412	● FA52510312	● FA52510212
● FA52516418	● FA52510318	● FA52510218
● FA52516430	● FA52510330	● FA52510230
● FA52516433	● FA52510333	● FA52510233
1-10V	1-10V	1-10V
○ FA52516401-310	○ FA52510301-310	○ FA52510201-310
● FA52516406-310	● FA52510306-310	● FA52510206-310
● FA52516412-310	● FA52510312-310	● FA52510212-310
● FA52516418-310	● FA52510318-310	● FA52510218-310
● FA52516430-310	● FA52510330-310	● FA52510230-310
● FA52516433-310	● FA52510333-310	● FA52510233-310
Dali	Dali	Dali
○ FA52516401-300	○ FA52510301-300	○ FA52510201-300
● FA52516406-300	● FA52510306-300	● FA52510206-300
● FA52516412-300	● FA52510312-300	● FA52510212-300
● FA52516418-300	● FA52510318-300	● FA52510218-300
● FA52516430-300	● FA52510330-300	● FA52510230-300
● FA52516433-300	● FA52510333-300	● FA52510233-300

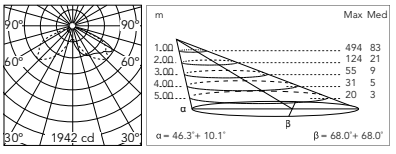


@ 4000K

Street Light 120°

Power Led: 53W - 5859 lm ≠ OUTPUT 2609 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 2834 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 2965 lm - 4000K/CRI 80 - 220-240V

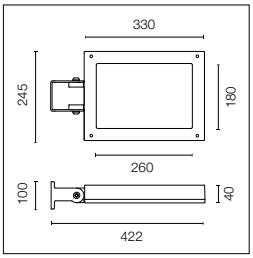
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA52516601	○ FA52511301	○ FA52511201
● FA52516606	● FA52511306	● FA52511206
● FA52516612	● FA52511312	● FA52511212
● FA52516618	● FA52511318	● FA52511218
● FA52516630	● FA52511330	● FA52511230
● FA52516633	● FA52511333	● FA52511233
1-10V	1-10V	1-10V
○ FA52516601-310	○ FA52511301-310	○ FA52511201-310
● FA52516606-310	● FA52511306-310	● FA52511206-310
● FA52516612-310	● FA52511312-310	● FA52511212-310
● FA52516618-310	● FA52511318-310	● FA52511218-310
● FA52516630-310	● FA52511330-310	● FA52511230-310
● FA52516633-310	● FA52511333-310	● FA52511233-310
Dali	Dali	Dali
○ FA52516601-300	○ FA52511301-300	○ FA52511201-300
● FA52516606-300	● FA52511306-300	● FA52511206-300
● FA52516612-300	● FA52511312-300	● FA52511212-300
● FA52516618-300	● FA52511318-300	● FA52511218-300
● FA52516630-300	● FA52511330-300	● FA52511230-300
● FA52516633-300	● FA52511333-300	● FA52511233-300

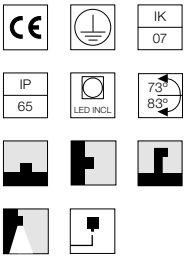


@ 4000K

Perseo 4 RGB







Sorgente a LED inclusa. Alimentazione elettrica 220-240V. Staffa di fissaggio graduata inclusa. Dotato di pressacavo in metallo M20x1,5 (per cavi 7mm<ø<13mm). Per garantire la tenuta del pressacavo è consigliabile utilizzare cavi elettrici flessibili idonei all'impiego in ambienti esterni. Accessori opzionali: braccio in aggetto a parete; pali e relativi bracci per installazione come testapalo; visiera wall-washer e ghiera anti-vandalo. Vetro trasparente extrachiaro.

LED source included. Integrated power supply 220-240V. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

Schema elettrico e installazione sistema RGB.

Vedere Schema Elettrico n.8 Page 833.

Wiring diagram and installation scheme RGB.

See Wiring Diagram n.8 Page 833.

Optic Medium 40°

RGB Power Led: 35W - 220-240V with DMX interface.

RGB

- ○ FA52512401
- ● FA52512406
- ● FA52512412
- ● FA52512418
- ● FA52512430
- ● FA52512433

Perseo 4 LED / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 3500mm

- FA24806
- FA24833

H 4500mm

- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm

- FA25006
- FA25033

H 4500mm

- FA25106
- FA25133

Perseo 4 LED / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 4000mm

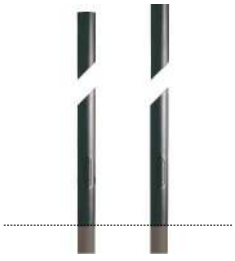
- FA414006
- FA414033

H 5000mm

- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



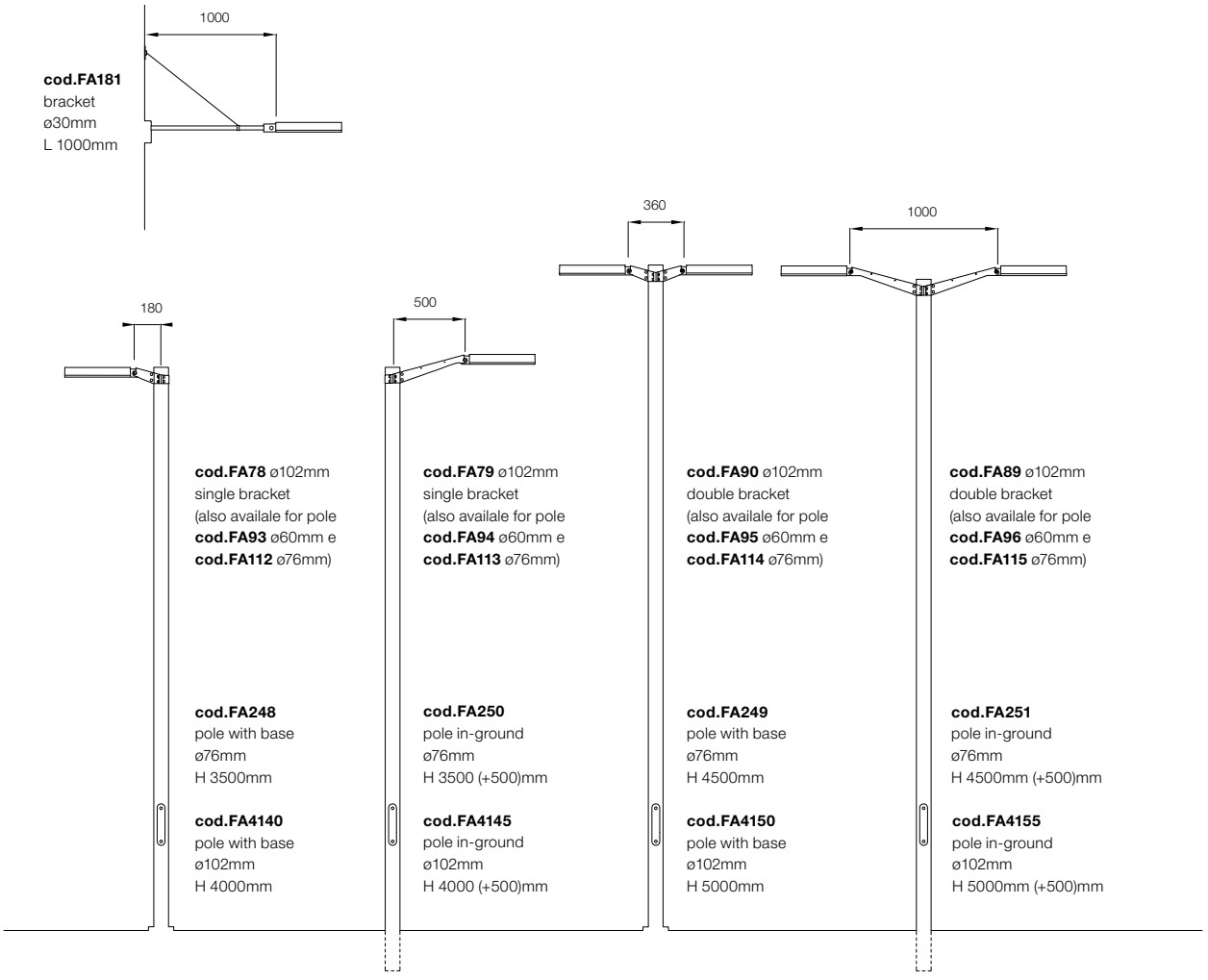
H 4000mm

- FA414506
- FA414533

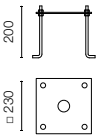
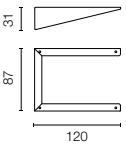
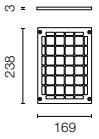
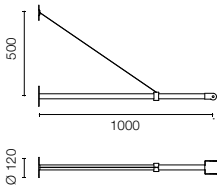
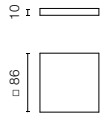
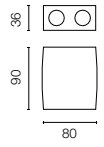
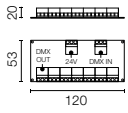
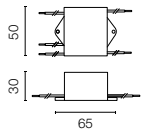
H 5000mm

- FA415506
- FA415533

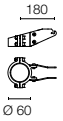
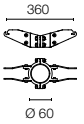
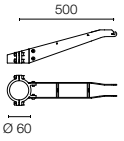
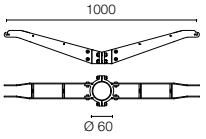
Installation scheme: Perseo 4



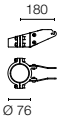
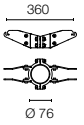
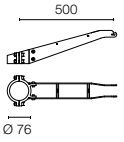
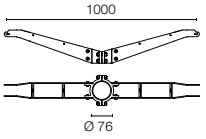
Perseo 4: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA116		
Visiera Wall-Washer	Wall Washer Visor	FA16730		
Ghiera anti vandali	Anti vandal louvre	FA16830		
Braccio 1000mm.	Wall Bracket 1000mm.	○ FA18101 ● FA18106 ● FA18112 ● FA18118 ● FA18130 ● FA18133		
Controller DMX a parete per scatole ad incasso (60mm interasse fori).	DMX controller; dimmer switch for recessed box (60mm hole centres).	RGB version F990B10A000		
Controller DMX stand-alone/interfaccia PC.	DMX controller; stand-alone/PC interface.	RGB version F990B11A000		
DMX splitter 512 - dispositivo elettronico per rigenerare segnale DMX monodirezionale 1 Input e 7 output, 12-24 Vdc. Alimentatore non incluso.	DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included.	RGB version F990B13A000		
Cavo DMX schermato con impedenza costante 110 Ohm.	DMX cable - shielded twisted pair with 110 Ohm constant impedance.	RGB version F990B12A000		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

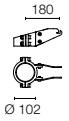
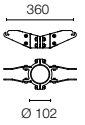
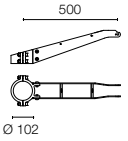
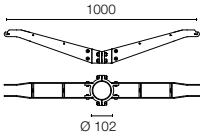
Perseo 4 Ø 60mm

Braccio singolo 180mm. Per palo Ø 60mm.	Single bracket 180mm. For pole Ø 60mm.	○ FA9306 ● FA9333		
Braccio doppio 180mm Per palo Ø 60mm.	Double bracket 180mm. For pole Ø 60mm.	○ FA9506 ● FA9533		
Braccio singolo 500mm. Per palo Ø 60mm.	Single bracket 500mm. For pole Ø 60mm.	○ FA9406 ● FA9433		
Braccio doppio 500mm Per palo Ø 60mm.	Double bracket 500mm. For pole Ø 60mm.	○ FA9606 ● FA9633		

Perseo 4 Ø 76mm

Braccio singolo 180mm. Per palo Ø 76mm.	Single bracket 180mm. For pole Ø 76mm.	○ FA11206 ● FA11233		
Braccio doppio 180mm Per palo Ø 76mm.	Double bracket 180mm. For pole Ø 76mm.	○ FA11406 ● FA11433		
Braccio singolo 500mm. Per palo Ø 76mm.	Single bracket 500mm. For pole Ø 76mm.	○ FA11306 ● FA11333		
Braccio doppio 500mm Per palo Ø 76mm.	Double bracket 500mm. For pole Ø 76mm.	○ FA11506 ● FA11533		

Perseo 4 Ø 102mm

Braccio singolo 180mm. Per palo Ø 102mm.	Single bracket 180mm. For pole Ø 102mm.	○ FA7806 ● FA7833		
Braccio doppio 180mm Per palo Ø 102mm.	Double bracket 180mm. For pole Ø 102mm.	○ FA9006 ● FA9033		
Braccio singolo 500mm. Per palo Ø 102mm.	Single bracket 500mm. For pole Ø 102mm.	○ FA7906 ● FA7933		
Braccio doppio 500mm Per palo Ø 102mm.	Double bracket 500mm. For pole Ø 102mm.	○ FA8906 ● FA8933		

Dooku









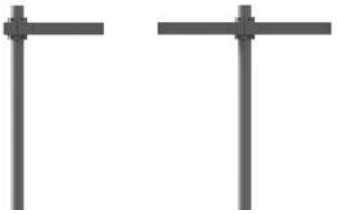
Dooku

Famiglia / Family

Dooku 400 Wall

Power Led
up to 39W
up to 2946 lm - 2700K/CRI 80
up to 3168 lm - 3000K/CRI 80
up to 3374 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

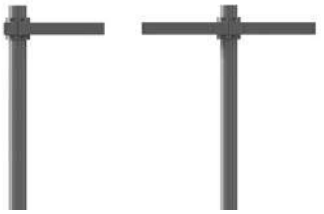
Dooku 400 Pole/Double Pole Ø76



Power Led
up to 39W
up to 3389 lm - 2700K/CRI 80
up to 3631 lm - 3000K/CRI 80
up to 3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 2x39W
up to 2x3389 lm - 2700K/CRI 80
up to 2x3631 lm - 3000K/CRI 80
up to 2x3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

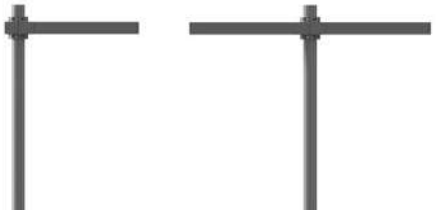
Dooku 400 Pole/Double Pole Ø102



Power Led
up to 39W
up to 3389 lm - 2700K/CRI 80
up to 3631 lm - 3000K/CRI 80
up to 3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 2x39W
up to 2x3389 lm - 2700K/CRI 80
up to 2x3631 lm - 3000K/CRI 80
up to 2x3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

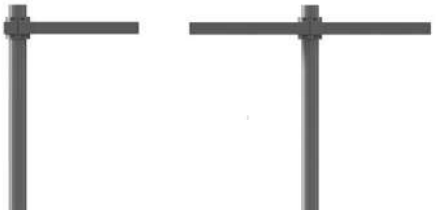
Dooku 600 Pole/Double Pole Ø76



Power Led
up to 78W
up to 6779 lm - 2700K/CRI 80
up to 7263 lm - 3000K/CRI 80
up to 7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 2x78W
up to 2x6779 lm - 2700K/CRI 80
up to 2x7263 lm - 3000K/CRI 80
up to 2x7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Dooku 600 Pole/Double Pole Ø102



Power Led
up to 78W
up to 6779 lm - 2700K/CRI 80
up to 7263 lm - 3000K/CRI 80
up to 7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Power Led
up to 2x78W
up to 2x6779 lm - 2700K/CRI 80
up to 2x7263 lm - 3000K/CRI 80
up to 2x7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

Colori / Colours



06 Grey



33 Anthracite

Descrizione / Description

Famiglia completa di apparecchi di illuminazione con sorgente luminosa a LED a proiezione, predisposti per installazione a parete e a palo come testapalo. Disponibile in due lunghezze e in varie ottiche per dimensione, comprese ottiche stradali per applicazioni in contesto urbano. Corpo in estruso di alluminio con parti di chiusura in alluminio pressofuso lega EN AB 47100 (a basso contenuto di rame). Diffusore in vetro extrachiaro con bordo serigrafato, fissato attraverso un sistema di incollaggio robotizzato. Disponibile in differenti finiture con rivestimento a doppio strato di polveri e sottoposte a trattamento di conversione chimica superficiale per una elevata resistenza alla corrosione. L'apparecchio è dotato di uno spezzone di cavo uscente in neoprene e connettore IP68 per il cablaggio facile e sicuro a tenuta stagna.

Dooku 400 Wall
Apparecchi orientabili a proiezione, predisposti per installazione a parete, disponibili in due fasci di apertura: simmetrica e asimmetrica per aree pubbliche e private urbane, spazi ampi, parcheggi. L'apparecchio è dotato di uno spezzone di cavo uscente in neoprene e connettori IP68 per il cablaggio facile e sicuro a tenuta stagna. La staffa di fissaggio zincata permette una orientabilità di 90° circa sull'asse verticale.

Dooku 400 / 600 Top Pole
Apparecchi testapalo predisposti per installazione a palo, disponibili in due lunghezze con differenzi potenze e quattro fasci di apertura: simmetrico, asimmetrico, ottica stradale standard e ottica stradale dedicata per percorsi ciclo-pedonali per inserimento in contesto urbano. L'apparecchio è dotato di uno spezzone di cavo uscente in neoprene e connettori IP68 per il cablaggio facile e sicuro a tenuta stagna. Completano la gamma una serie completa di pali cilindrici di diverso diametro ed altezza da interrare o con base di fissaggio e tirafondi.

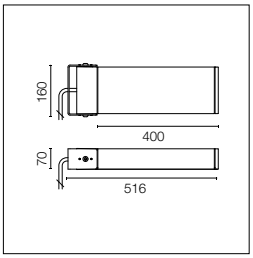
Complete family of tiltable projection luminaires with LED source for wall mounting and installation on masts. Available in two lengths and with different optics for every dimension, including optics for urban uses. Extruded EN AB-47100 die cast aluminum body and closing parts (with low copper content). Extraclear glass diffuser with silkscreen edge, attached with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. Equipped with a neoprene cable section and IP68 connector to guarantee an easy, safe, and watertight connection.

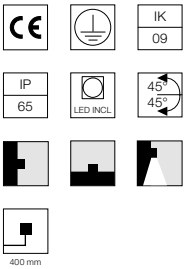
Dooku 400 Wall
Tiltable projection luminaires for wall mounting. Available with two beam angles: symmetrical and asymmetrical for public, private, and urban areas, open spaces, or parking lots. Equipped with a neoprene cable section and IP68 connector to guarantee an easy, safe, and watertight connection. The zinc fixing bracket allows for a tilting of approx. 90º on the vertical axis.

Dooku 400 / 600 Top Pole
Mast luminaires for mounting on poles. Available in two lengths, with different output and four beam angles: symmetrical, asymmetrical, urban standard beam and a specific urban beam for pedestrian and bicycle lanes in urban contexts. Equipped with a neoprene cable section and IP68 connectors to guarantee an easy, safe, and watertight connection. Completed with a series of cylinder posts in different diameters and heights that can be ground recessed or fixed with an anchor plate and lag screws.

Dooku 400 – Wall







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68.
Versione Smart- City a richiesta.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53907606
- FA53907633

1-10V
- FA53907606-310
- FA53907633-310

Dali
- FA53907606-300
- FA53907633-300

3000K

Non Dimmable
- FA53907506
- FA53907533

1-10V
- FA53907506-310
- FA53907533-310

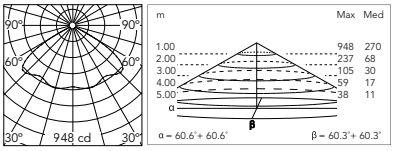
Dali
- FA53907506-300
- FA53907533-300

4000K

Non Dimmable
- FA53907406
- FA53907433

1-10V
- FA53907406-310
- FA53907433-310

Dali
- FA53907406-300
- FA53907433-300



@ 3000K

Asymmetric Optic

Power Led: 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53913006
- FA53913033

1-10V
- FA53913006-310
- FA53913033-310

Dali
- FA53913006-300
- FA53913033-300

3000K

Non Dimmable
- FA53914806
- FA53914833

1-10V
- FA53914806-310
- FA53914833-310

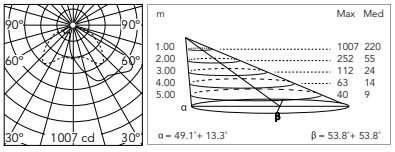
Dali
- FA53914806-300
- FA53914833-300

4000K

Non Dimmable
- FA53916606
- FA53916633

1-10V
- FA53916606-310
- FA53916633-310

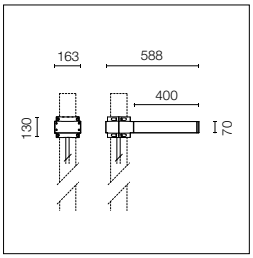
Dali
- FA53916606-300
- FA53916633-300

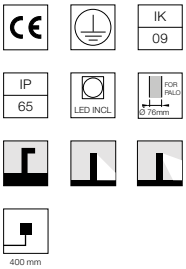


@ 3000K

Dooku 400 - Single Top Pole ø76







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco singolo per pali diametro 76 mm, palo da ordinare separatamente.
Versione Smart- City a richiesta.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Single socket for 76mm diameter post. The post must be ordered separately.
Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53907806
- FA53907833

1-10V
- FA53907806-310
- FA53907833-310

Dali
- FA53907806-300
- FA53907833-300

3000K

Non Dimmable
- FA53903906
- FA53903933

1-10V
- FA53903906-310
- FA53903933-310

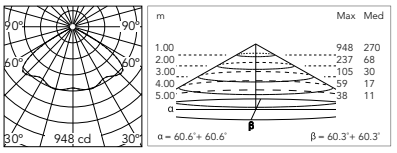
Dali
- FA53903906-300
- FA53903933-300

4000K

Non Dimmable
- FA53903806
- FA53903833

1-10V
- FA53903806-310
- FA53903833-310

Dali
- FA53903806-300
- FA53903833-300



@ 3000K

Asymmetric Optic

Power Led: 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53913206
- FA53913233

1-10V
- FA53913206-310
- FA53913233-310

Dali
- FA53913206-300
- FA53913233-300

3000K

Non Dimmable
- FA53915006
- FA53915033

1-10V
- FA53915006-310
- FA53915033-310

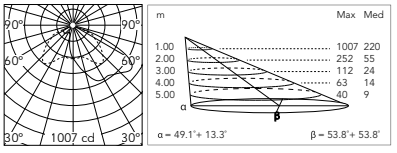
Dali
- FA53915006-300
- FA53915033-300

4000K

Non Dimmable
- FA53916806
- FA53916833

1-10V
- FA53916806-310
- FA53916833-310

Dali
- FA53916806-300
- FA53916833-300



@ 3000K

Street Light Optic

Power Led: 39W - 4122 lm ≠ OUTPUT 3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3434 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53908006
- FA53908033

1-10V
- FA53908006-310
- FA53908033-310

Dali
- FA53908006-300
- FA53908033-300

3000K

Non Dimmable
- FA53904206
- FA53904233

1-10V
- FA53904206-310
- FA53904233-310

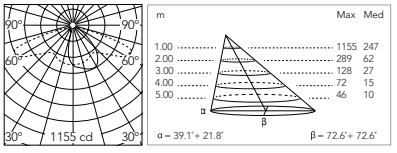
Dali
- FA53904206-300
- FA53904233-300

4000K

Non Dimmable
- FA53904106
- FA53904133

1-10V
- FA53904106-310
- FA53904133-310

Dali
- FA53904106-300
- FA53904133-300



@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 39W - 4122 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53908206
- FA53908233

1-10V
- FA53908206-310
- FA53908233-310

Dali
- FA53908206-300
- FA53908233-300

3000K

Non Dimmable
- FA53904506
- FA53904533

1-10V
- FA53904506-310
- FA53904533-310

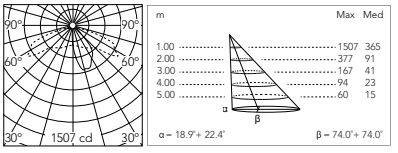
Dali
- FA53904506-300
- FA53904533-300

4000K

Non Dimmable
- FA53904406
- FA53904433

1-10V
- FA53904406-310
- FA53904433-310

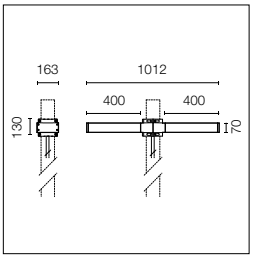
Dali
- FA53904406-300
- FA53904433-300

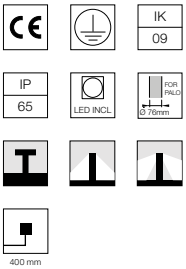


@ 3000K

Dooku 400 - Double Top Pole ø76







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco doppio per pali diametro 76 mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

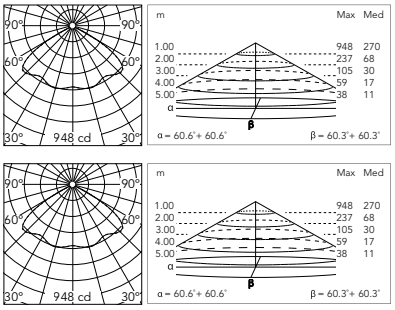
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 76mm diameter post. The post must be ordered separately.Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3752 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53908406	○ FA53904806	○ FA53904706
● FA53908433	● FA53904833	● FA53904733
1-10V	1-10V	1-10V
○ FA53908406-310	○ FA53904806-310	○ FA53904706-310
● FA53908433-310	● FA53904833-310	● FA53904733-310
Dali	Dali	Dali
○ FA53908406-300	○ FA53904806-300	○ FA53904706-300
● FA53908433-300	● FA53904833-300	● FA53904733-300

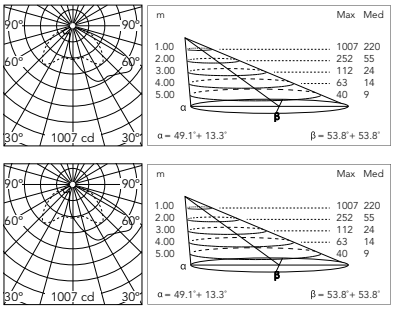


Asymmetric Optic

@ 3000K

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3513 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53913406	○ FA53915206	○ FA53917006
● FA53913433	● FA53915233	● FA53917033
1-10V	1-10V	1-10V
○ FA53913406-310	○ FA53915206-310	○ FA53917006-310
● FA53913433-310	● FA53915233-310	● FA53917033-310
Dali	Dali	Dali
○ FA53913406-300	○ FA53915206-300	○ FA53917006-300
● FA53913433-300	● FA53915233-300	● FA53917033-300

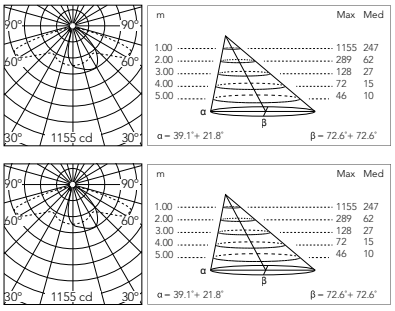


Street Light Optic

@ 3000K

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3434 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53908606	○ FA53905106	○ FA53905006
● FA53908633	● FA53905133	● FA53905033
1-10V	1-10V	1-10V
○ FA53908606-310	○ FA53905106-310	○ FA53905006-310
● FA53908633-310	● FA53905133-310	● FA53905033-310
Dali	Dali	Dali
○ FA53908606-300	○ FA53905106-300	○ FA53905006-300
● FA53908633-300	● FA53905133-300	● FA53905033-300

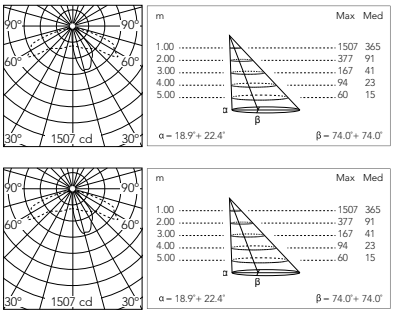


Street Light Optic (Foot and Cycle Paths)

@ 3000K

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3466 lm - 4000K/CRI 80 - 220÷240V

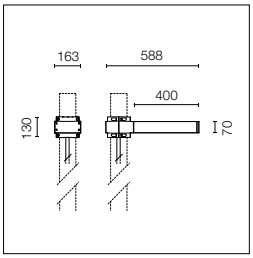
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53908806	○ FA53905406	○ FA53905306
● FA53908833	● FA53905433	● FA53905333
1-10V	1-10V	1-10V
○ FA53908806-310	○ FA53905406-310	○ FA53905306-310
● FA53908833-310	● FA53905433-310	● FA53905333-310
Dali	Dali	Dali
○ FA53908806-300	○ FA53905406-300	○ FA53905306-300
● FA53908833-300	● FA53905433-300	● FA53905333-300

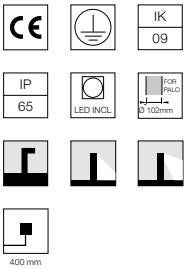


@ 3000K

Dooku 400 - Single Top Pole ø102







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco singolo per pali diametro 102mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

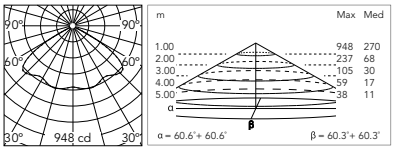
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 102mm diameter post. The post must be ordered separately. Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
FA53909006	FA53905706	FA53905606
FA53909033	FA53905733	FA53905633
1-10V	1-10V	1-10V
FA53909006-310	FA53905706-310	FA53905606-310
FA53909033-310	FA53905733-310	FA53905633-310
Dali	Dali	Dali
FA53909006-300	FA53905706-300	FA53905606-300
FA53909033-300	FA53905733-300	FA53905633-300

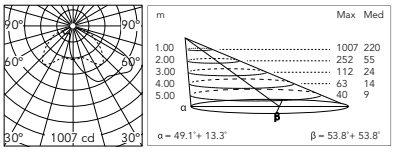


@ 3000K

Asymmetric Optic

Power Led: 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
FA53913606	FA53915406	FA53917206
FA53913633	FA53915433	FA53917233
1-10V	1-10V	1-10V
FA53913606-310	FA53915406-310	FA53917206-310
FA53913633-310	FA53915433-310	FA53917233-310
Dali	Dali	Dali
FA53913606-300	FA53915406-300	FA53917206-300
FA53913633-300	FA53915433-300	FA53917233-300

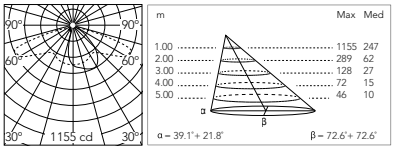


@ 3000K

Street Light Optic

Power Led: 39W - 4122 lm ≠ OUTPUT 3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3434 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
FA53909206	FA53906006	FA53905906
FA53909233	FA53906033	FA53905933
1-10V	1-10V	1-10V
FA53909206-310	FA53906006-310	FA53905906-310
FA53909233-310	FA53906033-310	FA53905933-310
Dali	Dali	Dali
FA53909206-300	FA53906006-300	FA53905906-300
FA53909233-300	FA53906033-300	FA53905933-300

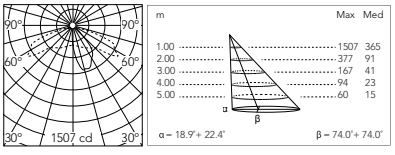


@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 39W - 4122 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V

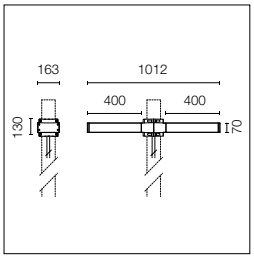
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
FA53909406	FA53906306	FA53906206
FA53909433	FA53906333	FA53906233
1-10V	1-10V	1-10V
FA53909406-310	FA53906306-310	FA53906206-310
FA53909433-310	FA53906333-310	FA53906233-310
Dali	Dali	Dali
FA53909406-300	FA53906306-300	FA53906206-300
FA53909433-300	FA53906333-300	FA53906233-300

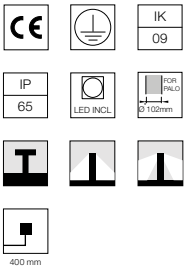


@ 3000K

Dooku 400 - Double Top Pole ø102







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco doppio per pali diametro 102 mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

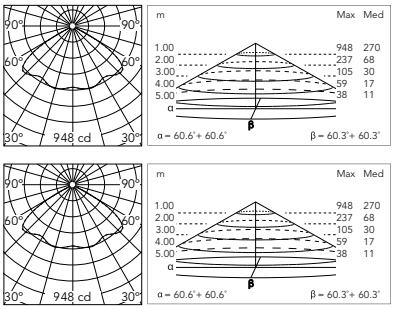
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 102mm diameter post. The post must be ordered separately.Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3752 lm - 4000K/CRI 80 - 220÷240V

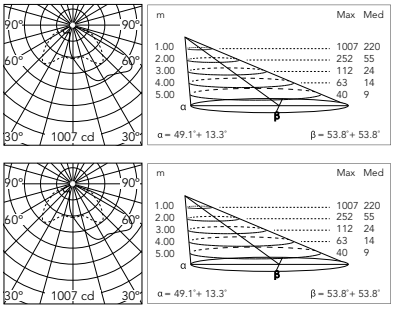
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53909606	○ FA53906606	○ FA53906506
● FA53909633	● FA53906633	● FA53906533
1-10V	1-10V	1-10V
○ FA53909606-310	○ FA53906606-310	○ FA53906506-310
● FA53909633-310	● FA53906633-310	● FA53906533-310
Dali	Dali	Dali
○ FA53909606-300	○ FA53906606-300	○ FA53906506-300
● FA53909633-300	● FA53906633-300	● FA53906533-300



Asymmetric Optic

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3513 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53913806	○ FA53915606	○ FA53917406
● FA53913833	● FA53915633	● FA53917433
1-10V	1-10V	1-10V
○ FA53913806-310	○ FA53915606-310	○ FA53917406-310
● FA53913833-310	● FA53915633-310	● FA53917433-310
Dali	Dali	Dali
○ FA53913806-300	○ FA53915606-300	○ FA53917406-300
● FA53913833-300	● FA53915633-300	● FA53917433-300

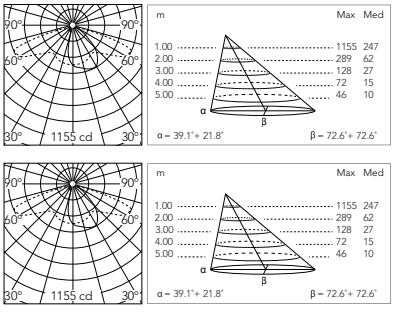


@ 3000K

Street Light Optic

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3434 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53909806	○ FA53906906	○ FA53906806
● FA53909833	● FA53906933	● FA53906833
1-10V	1-10V	1-10V
○ FA53909806-310	○ FA53906906-310	○ FA53906806-310
● FA53909833-310	● FA53906933-310	● FA53906833-310
Dali	Dali	Dali
○ FA53909806-300	○ FA53906906-300	○ FA53906806-300
● FA53909833-300	● FA53906933-300	● FA53906833-300

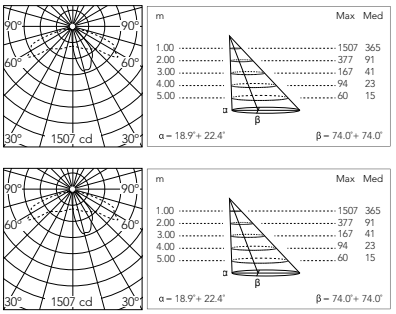


@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 39W - 2x4122 lm ≠ OUTPUT 2x3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3466 lm - 4000K/CRI 80 - 220÷240V

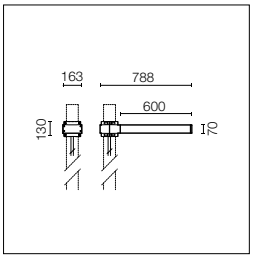
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53910006	○ FA53907206	○ FA53907106
● FA53910033	● FA53907233	● FA53907133
1-10V	1-10V	1-10V
○ FA53910006-310	○ FA53907206-310	○ FA53907106-310
● FA53910033-310	● FA53907233-310	● FA53907133-310
Dali	Dali	Dali
○ FA53910006-300	○ FA53907206-300	○ FA53907106-300
● FA53910033-300	● FA53907233-300	● FA53907133-300

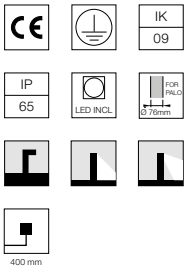


@ 3000K

Dooku 600 - Single Top Pole ø76







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco singolo per pali diametro 76mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

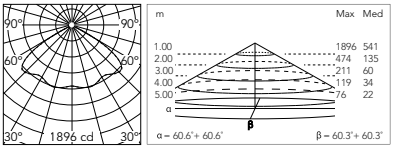
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 76mm diameter post. The post must be ordered separately. Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 78W - 8243 lm ≠ OUTPUT 6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7505 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53910206	○ FA53900306	○ FA53900206
● FA53910233	● FA53900333	● FA53900233
1-10V	1-10V	1-10V
○ FA53910206-310	○ FA53900306-310	○ FA53900206-310
● FA53910233-310	● FA53900333-310	● FA53900233-310
Dali	Dali	Dali
○ FA53910206-300	○ FA53900306-300	○ FA53900206-300
● FA53910233-300	● FA53900333-300	● FA53900233-300

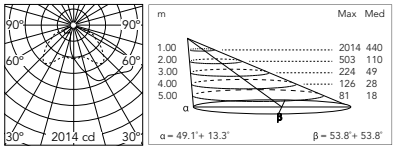


@ 3000K

Asymmetric Optic

Power Led: 78W - 8243 lm ≠ OUTPUT 6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7027 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53914006	○ FA53915806	○ FA53917606
● FA53914033	● FA53915833	● FA53917633
1-10V	1-10V	1-10V
○ FA53914006-310	○ FA53915806-310	○ FA53917606-310
● FA53914033-310	● FA53915833-310	● FA53917633-310
Dali	Dali	Dali
○ FA53914006-300	○ FA53915806-300	○ FA53917606-300
● FA53914033-300	● FA53915833-300	● FA53917633-300

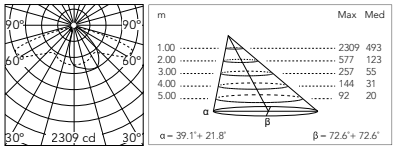


@ 3000K

Street Light Optic

Power Led: 78W - 8243 lm ≠ OUTPUT 6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6868 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53910406	○ FA53900606	○ FA53900506
● FA53910433	● FA53900633	● FA53900533
1-10V	1-10V	1-10V
○ FA53910406-310	○ FA53900606-310	○ FA53900506-310
● FA53910433-310	● FA53900633-310	● FA53900533-310
Dali	Dali	Dali
○ FA53910406-300	○ FA53900606-300	○ FA53900506-300
● FA53910433-300	● FA53900633-300	● FA53900533-300

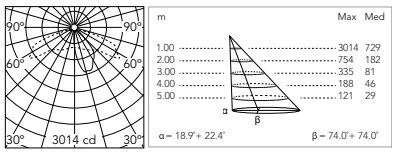


@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 78W - 8243 lm ≠ OUTPUT 6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6932 lm - 4000K/CRI 80 - 220÷240V

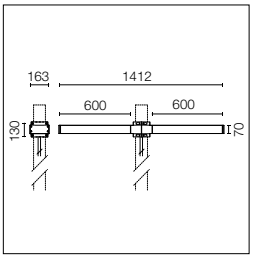
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53910606	○ FA53900906	○ FA53900806
● FA53910633	● FA53900933	● FA53900833
1-10V	1-10V	1-10V
○ FA53910606-310	○ FA53900906-310	○ FA53900806-310
● FA53910633-310	● FA53900933-310	● FA53900833-310
Dali	Dali	Dali
○ FA53910606-300	○ FA53900906-300	○ FA53900806-300
● FA53910633-300	● FA53900933-300	● FA53900833-300

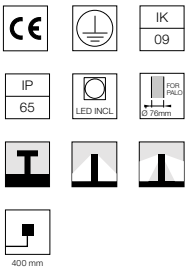


@ 3000K

Dooku 600 - Double Top Pole ø76







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco doppio per pali diametro 76 mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 76mm diameter post. The post must be ordered separately.Smart-City version available upon request.

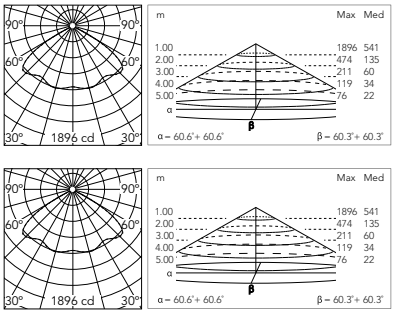
2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7505 lm - 4000K/CRI 80 - 220÷240V

Asymmetric Optic

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53910806	○ FA53901206	○ FA53901106
● FA53910833	● FA53901233	● FA53901133
1-10V	1-10V	1-10V
○ FA53910806-310	○ FA53901206-310	○ FA53901106-310
● FA53910833-310	● FA53901233-310	● FA53901133-310
Dali	Dali	Dali
○ FA53910806-300	○ FA53901206-300	○ FA53901106-300
● FA53910833-300	● FA53901233-300	● FA53901133-300

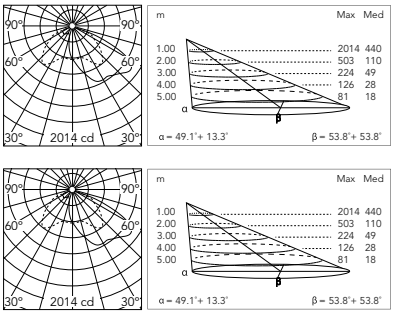


@ 3000K

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7027 lm - 4000K/CRI 80 - 220÷240V

Street Light Optic

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53914206	○ FA53916006	○ FA53917806
● FA53914233	● FA53916033	● FA53917833
1-10V	1-10V	1-10V
○ FA53914206-310	○ FA53916006-310	○ FA53917806-310
● FA53914233-310	● FA53916033-310	● FA53917833-310
Dali	Dali	Dali
○ FA53914206-300	○ FA53916006-300	○ FA53917806-300
● FA53914233-300	● FA53916033-300	● FA53917833-300

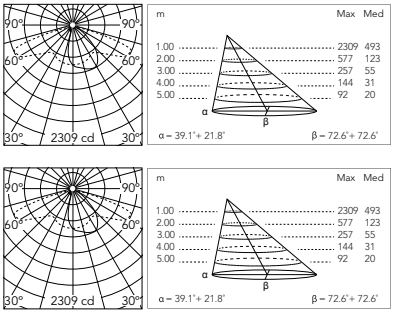


@ 3000K

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6868 lm - 4000K/CRI 80 - 220÷240V

Street Light Optic (Foot and Cycle Paths)

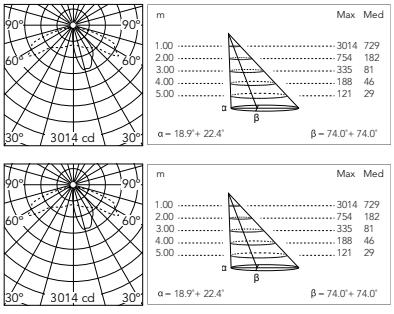
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53911006	○ FA53901506	○ FA53901406
● FA53911033	● FA53901533	● FA53901433
1-10V	1-10V	1-10V
○ FA53911006-310	○ FA53901506-310	○ FA53901406-310
● FA53911033-310	● FA53901533-310	● FA53901433-310
Dali	Dali	Dali
○ FA53911006-300	○ FA53901506-300	○ FA53901406-300
● FA53911033-300	● FA53901533-300	● FA53901433-300



@ 3000K

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6932 lm - 4000K/CRI 80 - 220÷240V

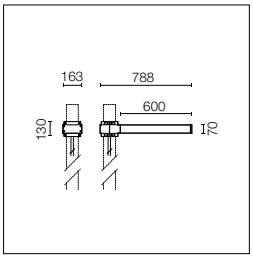
2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53911206	○ FA53901806	○ FA53901706
● FA53911233	● FA53901833	● FA53901733
1-10V	1-10V	1-10V
○ FA53911206-310	○ FA53901806-310	○ FA53901706-310
● FA53911233-310	● FA53901833-310	● FA53901733-310
Dali	Dali	Dali
○ FA53911206-300	○ FA53901806-300	○ FA53901706-300
● FA53911233-300	● FA53901833-300	● FA53901733-300

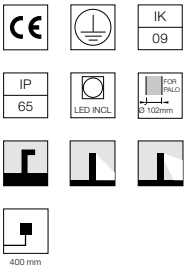


@ 3000K

Dooku 600 - Single Top Pole ø102







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco singolo per pali diametro 102mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 102mm diameter post. The post must be ordered separately. Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 78W - 8243 lm ≠ OUTPUT 6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7505 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53911406
- FA53911433

1-10V
- FA53911406-310
- FA53911433-310

Dali
- FA53911406-300
- FA53911433-300

3000K

Non Dimmable
- FA53902106
- FA53902133

1-10V
- FA53902106-310
- FA53902133-310

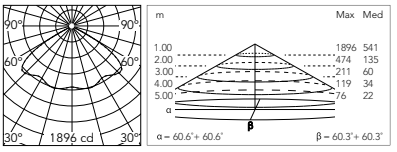
Dali
- FA53902106-300
- FA53902133-300

4000K

Non Dimmable
- FA53902006
- FA53902033

1-10V
- FA53902006-310
- FA53902033-310

Dali
- FA53902006-300
- FA53902033-300



@ 3000K

Asymmetric Optic

Power Led: 78W - 8243 lm ≠ OUTPUT 6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7027 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53914406
- FA53914433

1-10V
- FA53914406-310
- FA53914433-310

Dali
- FA53914406-300
- FA53914433-300

3000K

Non Dimmable
- FA53916206
- FA53916233

1-10V
- FA53916206-310
- FA53916233-310

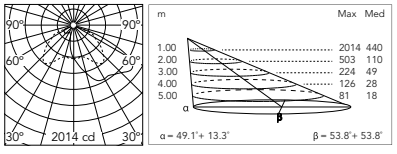
Dali
- FA53916206-300
- FA53916233-300

4000K

Non Dimmable
- FA53918006
- FA53918033

1-10V
- FA53918006-310
- FA53918033-310

Dali
- FA53918006-300
- FA53918033-300



@ 3000K

Street Light Optic

Power Led: 78W - 8243 lm ≠ OUTPUT 6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6868 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53911606
- FA53911633

1-10V
- FA53911606-310
- FA53911633-310

Dali
- FA53911606-300
- FA53911633-300

3000K

Non Dimmable
- FA53902406
- FA53902433

1-10V
- FA53902406-310
- FA53902433-310

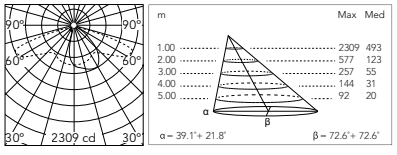
Dali
- FA53902406-300
- FA53902433-300

4000K

Non Dimmable
- FA53902306
- FA53902333

1-10V
- FA53902306-310
- FA53902333-310

Dali
- FA53902306-300
- FA53902333-300



@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 78W - 8243 lm ≠ OUTPUT 6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6932 lm - 4000K/CRI 80 - 220÷240V

2700K

Non Dimmable
- FA53911806
- FA53911833

1-10V
- FA53911806-310
- FA53911833-310

Dali
- FA53911806-300
- FA53911833-300

3000K

Non Dimmable
- FA53902706
- FA53902733

1-10V
- FA53902706-310
- FA53902733-310

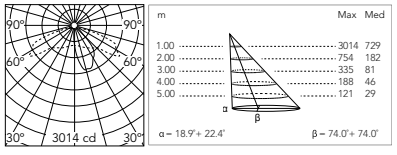
Dali
- FA53902706-300
- FA53902733-300

4000K

Non Dimmable
- FA53902606
- FA53902633

1-10V
- FA53902606-310
- FA53902633-310

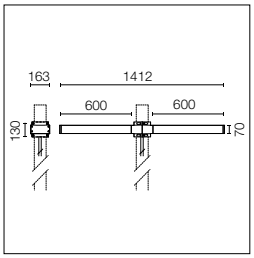
Dali
- FA53902606-300
- FA53902633-300

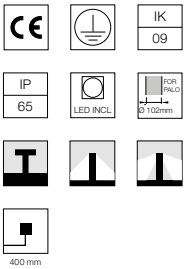


@ 3000K

Dooku 600 - Double Top Pole ø102







Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/OFF e dimmerabile 1-10V o DALI integrata. Staffa di fissaggio inclusa. Dotato di spezzone di cavo uscente in neoprene 400 mm e connettore IP68. Attacco doppio per pali diametro 102 mm, palo da ordinare separatamente. Versione Smart- City a richiesta.

2200K disponibile su richiesta.

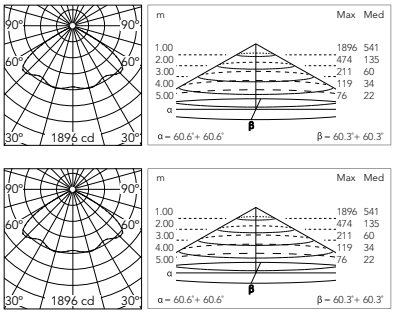
LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 102mm diameter post. The post must be ordered separately.Smart-City version available upon request.

2200K available on request.

Optic 120° (Wide Spaces - Public Areas - Parking Areas)

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7505 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53912006	○ FA53903006	○ FA53902906
● FA53912033	● FA53903033	● FA53902933
1-10V	1-10V	1-10V
○ FA53912006-310	○ FA53903006-310	○ FA53902906-310
● FA53912033-310	● FA53903033-310	● FA53902933-310
Dali	Dali	Dali
○ FA53912006-300	○ FA53903006-300	○ FA53902906-300
● FA53912033-300	● FA53903033-300	● FA53902933-300

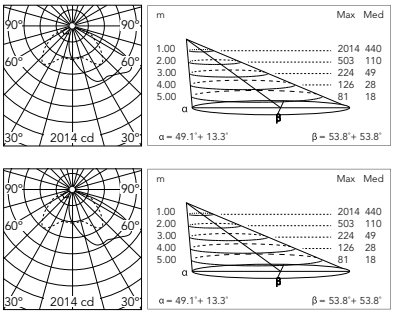


@ 3000K

Asymmetric Optic

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7027 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53914606	○ FA53916406	○ FA53918206
● FA53914633	● FA53916433	● FA53918233
1-10V	1-10V	1-10V
○ FA53914606-310	○ FA53916406-310	○ FA53918206-310
● FA53914633-310	● FA53916433-310	● FA53918233-310
Dali	Dali	Dali
○ FA53914606-300	○ FA53916406-300	○ FA53918206-300
● FA53914633-300	● FA53916433-300	● FA53918233-300

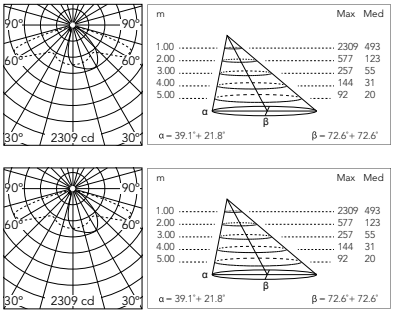


@ 3000K

Street Light Optic

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6868 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53912206	○ FA53903306	○ FA53903206
● FA53912233	● FA53903333	● FA53903233
1-10V	1-10V	1-10V
○ FA53912206-310	○ FA53903306-310	○ FA53903206-310
● FA53912233-310	● FA53903333-310	● FA53903233-310
Dali	Dali	Dali
○ FA53912206-300	○ FA53903306-300	○ FA53903206-300
● FA53912233-300	● FA53903333-300	● FA53903233-300

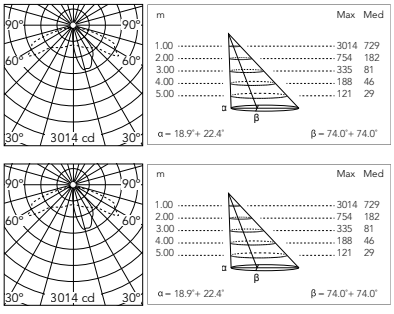


@ 3000K

Street Light Optic (Foot and Cycle Paths)

Power Led: 78W - 2x8243 lm ≠ OUTPUT 2x6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6932 lm - 4000K/CRI 80 - 220÷240V

2700K	3000K	4000K
Non Dimmable	Non Dimmable	Non Dimmable
○ FA53912406	○ FA53903606	○ FA53903506
● FA53912433	● FA53903633	● FA53903533
1-10V	1-10V	1-10V
○ FA53912406-310	○ FA53903606-310	○ FA53903506-310
● FA53912433-310	● FA53903633-310	● FA53903533-310
Dali	Dali	Dali
○ FA53912406-300	○ FA53903606-300	○ FA53903506-300
● FA53912433-300	● FA53903633-300	● FA53903533-300



@ 3000K

Dooku / Ø 76mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 3500mm

- FA24806
- FA24833

H 4500mm

- FA24906
- FA24933

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



H 3500mm

- FA25006
- FA25033

H 4500mm

- FA25106
- FA25133

Dooku / Ø 102mm - Poles

Con Base e Portella con Morsettiera.

With Base and Access Door .
With Terminal Block 4x1,5-16mmq.



H 4000mm

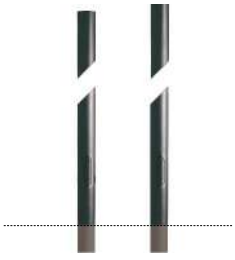
- FA414006
- FA414033

H 5000mm

- FA415006
- FA415033

Da Interrare (+500 mm Interrati) e Portella con Morsettiera

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq



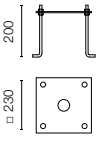
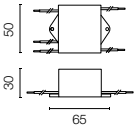
H 4000mm

- FA414506
- FA414533

H 5000mm

- FA415506
- FA415533

Dooku: Accessori / Accessories

Piastra tirafondi.	Base plate with bolt.	FA116		
Dispositivo di protezione per il sovraccarico. 275Vac. Corrente massima di scarica 10KA (8/29µs). Massima corrente operativa 5A. Adatto per la connessione in serie. IP66.	Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.	F990E00A000		

Classi di isolamento delle lampade / Luminaires classification



Classe I: lampada la cui protezione contro la scarica elettrica non si basa solo sull'isolamento di base dell'apparecchio, ma su un ulteriore sistema di sicurezza che consiste nel collegamento dei componenti conduttivi accessibili a un conduttore di sicurezza (messa a terra) facente parte dellimpianto elettrico fisso.

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).



Classe II: Lampada la cui protezione contro la scarica elettrica non si basa solo sull'isolamento di base dell'apparecchio, ma su un ulteriore misura di sicurezza che consiste in un doppio isolamento rinforzato senza dispositivi per la messa a terra.

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).



Classe III: Lampada la cui protezione contro la scarica elettrica si basa su un sistema a bassissima tensione, che non viene mai superata. Una lampada di Classe III non deve mai essere fornita con la messa a terra.

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.

Omologazioni / Homologations



Tutte le lampade prodotte e presentate in questo programma sono state realizzate in conformità con la Norma Europea EN 60 598 e sono pertanto conformi ai requisiti definiti nella Direttiva CEE 73/23 (Direttiva di Bassa Tensione). La loro realizzazione garantisce anche la conformità alla Direttiva 89/336 per quanto concerne la Compatibilità Elettromagnetica. Tutti i prodotti rientranti nel campo di applicazione delle suddette Direttive riportano la marcatura CE, che ne attesta la conformità ai relativi requisiti.

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.



La presenza del marchio ENEC sul prodotto conferma l'adempimento della Normativa Europea e garantisce l'affidabilità del sistema organizzativo e produttivo responsabile della fabbricazione del prodotto, attraverso un ente di certificazione accreditato. Il marchio ENEC conferma il nostro impegno ed è la migliore garanzia in tema di sicurezza e qualità di tutti i nostri prodottI.

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.



L'Associazione Spagnola di Normalizzazione e Certificazione AENOR certifica che il Sistema di garanzia di qualità adottato dalla Antares Iluminación S. A. soddisfa i requisiti della Norma Europea EN ISO 9001: Sistema di Qualità.

The Spanish Association for Standards and Certification AENOR, certifies that quality assurance system adopted by Antares Iluminación, S.A. complies with the requirements of the standard UNE-EN ISO-9001 Quality Systems.

IP
20

Indice di protezione contro la penetrazione di corpi solidi e di liquidi.

Protection degree offered by the fixture to the ingress of solids and liquids.

IP
20

1a cifra, protezione contro la penetrazione dei corpi solidi: 0 Nessuna protezione - 1 Protezione contro i corpi solidi di dimensioni superiori a 50mm - 2 Protezione contro i corpi solidi di dimensioni superiori a 12mm - 3 Protezione contro i corpi solidi di dimensioni superiori a 2,5mm - 4 Protezione contro i corpi solidi di dimensioni superiori a 1mm - 5 Protezione contro la polvere - 6 Totalmente protetto contro la polvere.

1st figure, protection against penetration by solid bodies: 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.

IP
2**0**

2a cifra, protezione contro l'infiltrazione di acqua: 0 Nessuna protezione - 1 Protezione contro la caduta in verticale di gocce d'acqua - 2 Protezione contro la caduta in verticale di gocce d'acqua con angolo di inclinazione max di 15° - 3 Protezione contro la caduta in verticale di gocce d'acqua con angolo di inclinazione max di 60° - 4 Protezione contro gli spruzzi d'acqua - 5 Protezione contro i getti d'acqua - 6 Protezione contro le ondate d'acqua - 7 Protezione contro l'immersione - 8 Protezione contro l'immersione prolungata.

2nd figure, protection against penetration by water: 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.

Simbologia / Pictography

In conformità con quanto previsto dal Regolamento 874/2012/EU, integrazione della Direttiva 2010/30/UE e relativo all'etichettatura indicante il consumo d'energia delle lampade elettriche e la compatibilità degli apparecchi di illuminazione con le diverse fonti luminose (integrate o con questi compatibili), Flos S.p.A. ha inserito le etichette richieste, in formato elettronico, sul proprio sito (www.flos.com) nell'area relativa ai prodotti.
Le modalità per scaricare le etichette, nelle diverse lingue previste a livello comunitario, sono le seguenti:
• Selezionare la collezione/il prodotto di interesse (per esempio http://www.flos.com/decorative/en/products/floor/Arco)
• Cliccare "Vedi scheda tecnica"
• Cliccare "Print Energy Label"
• Selezionare la lingua e stampare l'etichetta.

In accordance with the provisions of Regulation 874/2012/EU and integration of the Directive 2010/30/EU concerning labeling indicating the energy consumption of electric lamps and the compatibility of lighting appliances with different light sources (integrated or compatible with these), Flos SpA has inserted the required labels, in electronic form, on its website (www.flos.com) in the area relating to products.
The methods to download the labels in different languages envisaged at Community level are as follows:
• Choose the collection/product you are interested in (for ex: http://www.flos.com/decorative/en/products/floor/Arco)
• Click on "see specs sheet"
• Click on "Print Energy Label"
• Select the language and print the label.

Symbols



Resistenza al carico statico
In conformità alle norme CEI EN 60598-2-13.

Static load: Resistance to static load.
In compliance with CEI EN 60598-2-13 standards.



Resistenza alla torsione e allo scorrimento del carico
In conformità alle norme CEI EN 60598-2-13.

Drive over Resistance to torque and shear loads.
In compliance with CEI EN 60598-2-13 standards.



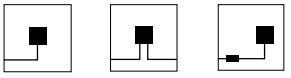
Temperatura del diffusore in conformità con la normaCEI EN 60598-2-13.
Controllare che la temperatura “T max ° C” del diffusore (testato a 25 ° C),sia conforme con la normativa locale.
Temperatura superficiale <70°C per sorgenti LED.

Diffuser temperature according to CEI EN 60598-2-13.
Check that diffuser’s temperature “T max °C” (tested at 25°C) complies with your local regulation. Glass surface temperature <70°C for LED source



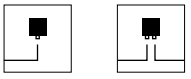
Consigli per la corretta installazione di apparecchi da incasso:
E’ importante prevedere un efficace sistema di drenaggio dell’acqua.
L’apparecchio non deve essere installato in zone di ristagno.

Advice on installation of recessed luminaires:
It is important to provide a consistent gravel layer or drain system to ensure good drainage and to avoid water stagnation.
The luminaire must not be installed in hollow surfaces.



Connessione elettrica:
Connessione tramite uno o due ingresso cavo, oppure tramite apposito alimentatore remoto (disponibile separatamente).

Electric connection:
Wiring through cable input, through two cable inputs or through a feeding transformer installed on remote position (to be ordered separately).



Apparecchio dotato di uno o due ingressi cavo.

Luminaire is equipped with 1 or 2 cable input.



Apparecchio dotato di cavo e spina.

Luminaire is equipped with cable and plug.



Protezione contro l’ingresso d’acqua dal cavo.

Protection against water ingress from the cable



Installazione a muro, a pavimento o a soffitto.

Surface installation on wall, on ground or on ceiling.



Installazione a palo.

Installation on pole.



Installazione ad incasso.
Installazione a sospensione.

In-ground installation (recessed luminaire)
Suspended fitting.



Test filo incandescente IEC 60695-2-10: test utilizzato per simulare l’effetto del calore che potrebbe presentarsi nelle apparecchiature elettriche malfunzionanti, ad esempio con componenti sovraccarichi (temperatura specificata).

Glow wire test IEC 60695-2-10: the glow wire test is used to simulate the effect of heat as may arise in malfunctioning electrical equipment, such as with overloaded (specified temperature).

IK
0**9**

Resistenza a impatti meccanici esterni:
Il codice IK si riferisce al massimo impatto esterno che l'apparecchio è in grado di sopportare, senza danni irreversibili. In conformità con gli standard EN50102.

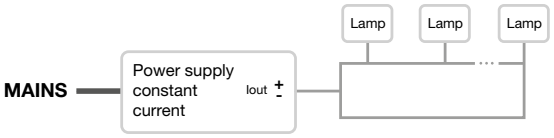
Resistance to external mechanical impacts:
IK code refers to the maximum external impact the luminaire is capable to withstand, without irreversible damage.
In compliance with EN50102 standards.

IK code	**Impact Energy** (Joule)	**Mass/Height**
IK00	0,00	-----
IK01	0,15	0,2Kg/70mm
IK02	0,20	0,2Kg/100mm
IK03	0,35	0,2Kg/175mm
IK04	0,50	0,2Kg/250mm
IK05	0,70	0,2Kg/350mm
IK06	1,00	0,5Kg/200mm
IK07	2,00	0,5Kg/400mm
IK08	5,00	1,7Kg/295mm
IK09	10,00	5,0Kg/200mm
IK10	20,00	5,0Kg/400mm

Tecnical Schemes

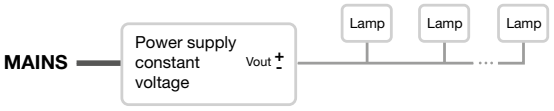
Schema elettrico ed esempio di installazione in serie / Wiring Diagram and sample series installation

n.1



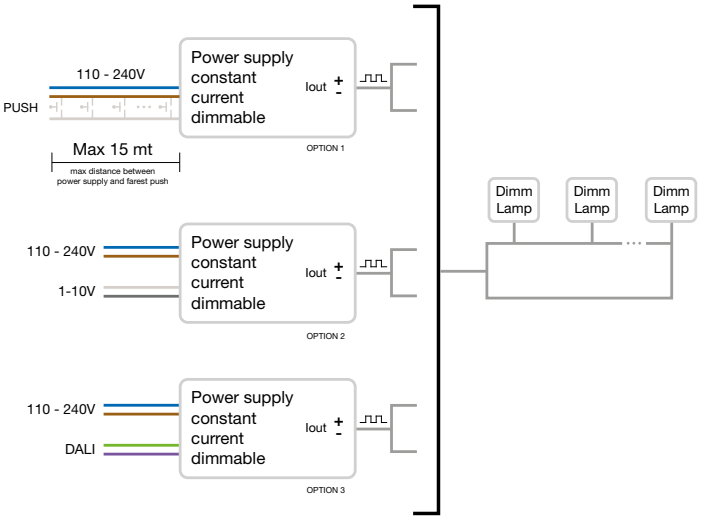
Schema elettrico ed esempio di installazione in parallelo / Wiring Diagram and sample parallel installation

n.2



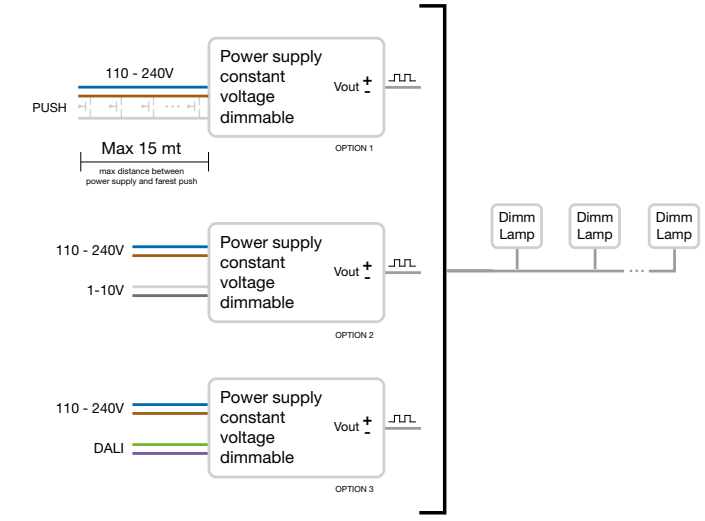
Schema elettrico ed esempio di installazione in serie dimmerabile / Wiring Diagram and sample dimmable series installation

n.3



Schema elettrico ed esempio di installazione in parallelo dimmerabile / Wiring Diagram and sample dimmable parallel installation

n.4



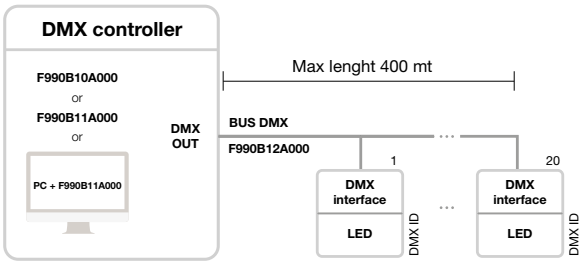
Basic DMX Wiring Scheme

Un sistema di DMX può includere un numero illimitato di apparecchi, a condizione che le seguenti regole siano rispettate:

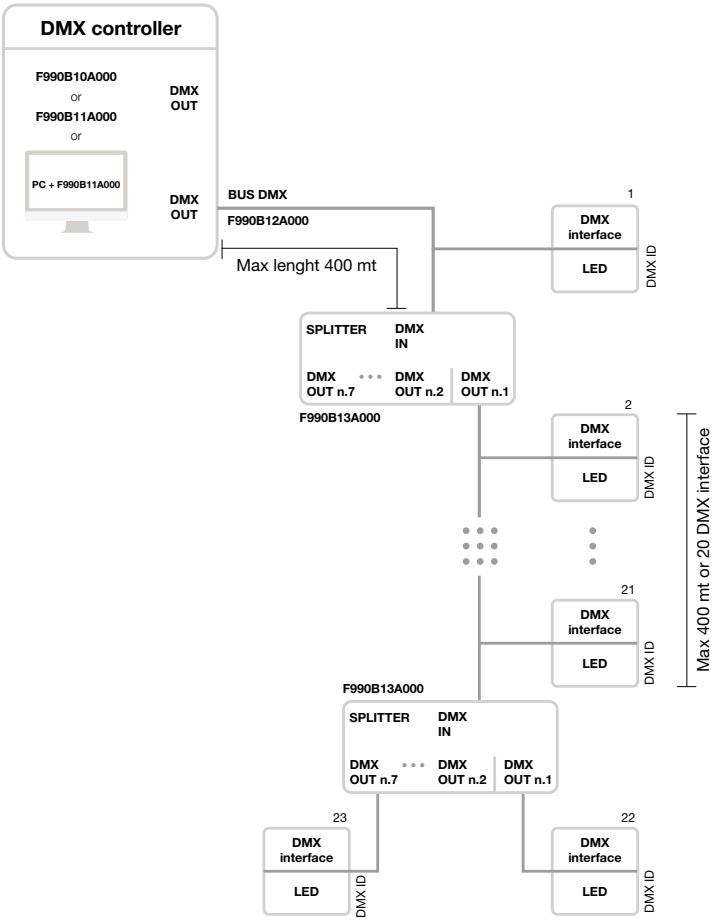
- Usare cavi adatti per DMX bus: cavi DMX con impedenza costante 110 Ohm (Cod.186). L'uso di cavi diversi non garantisce le stesse prestazioni.
- Ogni 400 mt il segnale DMX bus deve essere rigenerato con uno Splitter. Questo permette di estendere l'installazione.
- Ogni 20 apparecchi il segnale bus DMX ha bisogno di essere rigenerato con una Splitter. Questo permette di estendere l'installazione.
- Tutti gli apparecchi devono essere collegati in serie al bus DMX (Nessun collegamento a stella). Si deve tenere conto che l'uso di uno splitter può risolvere il problema di avere un ingresso bus e più uscite bus.
- Ogni cavo deve avere una resistenza di terminazione di 120 Ohm.

A DMX system can include an unlimited number of fixtures on condition that the following rules are respected:

- Use suitable cables for DMX bus: shielded twisted pair with 110 Ohm constant impedance (e.g. Cod.186). The use of different cables doesn't assure the same performance.
- Every 400mt of cable the DMX bus signal needs to be regenerated with a Splitter. This allows to extend the installation.
- Every 20 fixtures the DMX bus signal needs to be regenerated with a Splitter. This allows to extend the installation.
- All fixtures have to be connected in series to the DMX bus. No star connection allowed. It has to be taken into account that the use of a splitter can solve the problem having one bus input and more bus output.
- Each cable must have a 120 Ohm termination resistor.



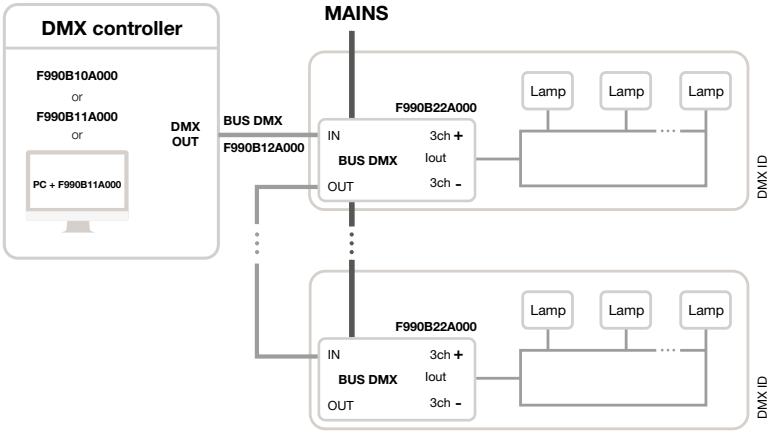
Extended DMX Wiring Pattern



Tecnical Schemes

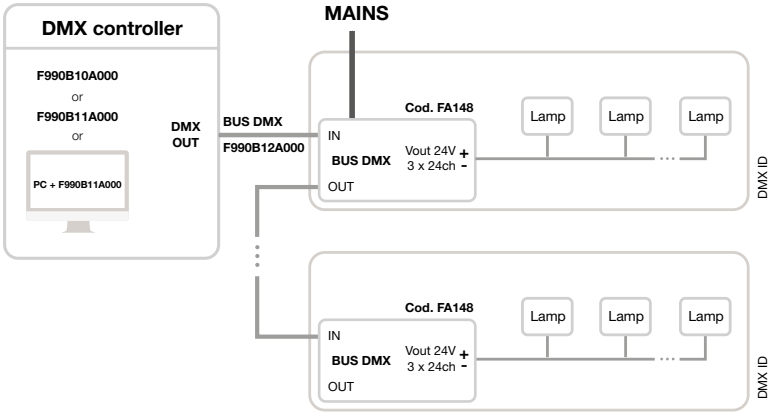
Schema elettrico ed esempio di installazione / Wiring Diagram and sample installation

n.5



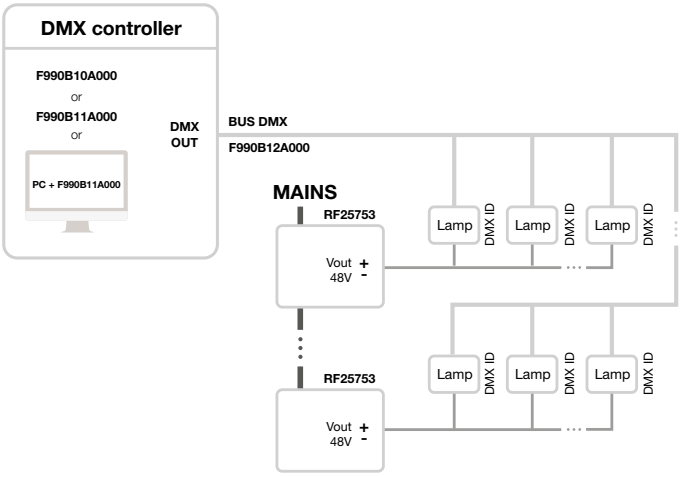
Schema elettrico ed esempio di installazione / Wiring Diagram and sample installation

n.6



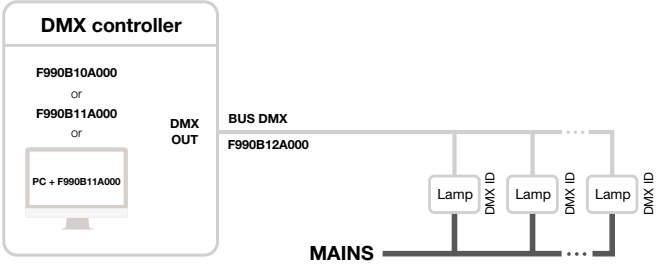
Schema elettrico ed esempio di installazione / Wiring Diagram and sample installation

n.7



Schema elettrico ed esempio di installazione / Wiring Diagram and sample installation

n.8



Attenzione

Cablaggio degli apparecchi a LED che funzionano in corrente costante e connessi in serie (schema 1): Non collegare l'apparecchio ad un alimentatore già collegato alla rete.
Collegare sempre gli apparecchi all'alimentatore, e solo dopo collegare l'alimentatore alla rete.

Schemi di collegamento: apparecchi a corrente costante devono essere sempre collegati in serie, apparecchi in tensione costante devono essere sempre collegati in parallelo.
Sempre rispettare polarità secondo il sistema DC.

Alimentatori devono sempre corrispondere alle funzioni di installazione: Non utilizzare un alimentatore a corrente costante su un apparecchio a tensione costante e viceversa.

La scelta dell' alimentatore deve tener conto del consumo reale dell'apparecchio (dati mostrati nel catalogo) con un aumento del 20% per affrontare qualsiasi perdita potenziale sull'impianto.

Gli apparecchi a LED e gli alimentatori sono protetti contro le interferenze sulla linea, è comunque altamente consigliabile impostare linee dedicate di alimentazione al fine di
evitare qualsiasi potenziale interferenza improvvisa e grave (carichi induttivi, come pompe o lampade a scarica) che possono danneggiare il modulo LED.

Attention

Wiring of LED luminaires run in constant current and connected in series (schemes 1,3 and 5): Never connect the luminaire to a switched on power supply.
Always connect luminaires to the power supply, and only after connect the power supply to the mains.

Connection schemes: Luminaires in constant current must always be connected in series; luminaires in constant tension must always be connected in parallel.
Always respect polarity according to the DC system.

Power Supplies must always match installation features: Never use a constant current power supply on a constant tension luminaire and vice versa.

The choice of the power supply must take into account the real power consumption of the luminaire (data shown in the catalogue) with a 20% increase to face any potential loss on the installation.

LED Luminaires and power supplies are protected against interferences on the line, it is anyway highly recommended to set dedicated feeding lines to avoid any potential sudden and severe interference (inductive loads like pumps or discharge lamps) that are likely to damage the LED module.

A-Rise	480
A-Round	470
Aimer	730
Bellhop	310
Belvedere	348
C-Me	526
Camouflage	416
Casting	322
Caule	258
Captain Flint	240
Climber	426
Dooku	810
Eclipse	666
Fenestra	462
Flauta	274
Franco	764
Gobi	504
Heavy Metal	440
Hyperion	676
I - Ron	380
IC_Light	250
In Vitro	186
Ingraze	542
Kirk	710
Klein Pro	360
Landlord	292
Leila	698
Lighting In The Rain	285
Mayday	198
Mile	206
My Way	408
Outgraze	604
Perseo	786
Platter	686
Pointbreak	156
Real Matter	398
Spine	16
Spock	718
Talia	388
Tau	654
Walkstick	334
Zefiro	370

Garanzia

ARES s.r.l. garantisce al compratore la corretta realizzazione dei propri prodotti per un periodo di due anni dalla data della compravendita.

Durante il periodo di garanzia qualsiasi difetto di fabbricazione o di materiale sarà rettificato senza alcun addebito.

ARES s.r.l. si riserva il diritto di rettificare il danno attraverso la riparazione, il cambio o la sostituzione del/i prodotto/i.

La garanzia non copre ed il produttore non è responsabile di quanto segue:

Parti e materiali soggetti a continua usura;
Problematiche risultanti da cause esterne quali incidenti, abusi, utilizzo improprio, maneggiamento scorretto, negligenza, fuoco, furto, vandalismo, esplosioni, disastri naturali, o altre cause esterne non dipendenti dalla difettosità del prodotto stesso;
Condizioni che dimostrino una cattiva installazione, scorrette applicazioni, in
stallazione in condizioni ambientali estreme diverse da quelle indicate nelle specifiche del prodotto stesso, situazioni sotto o sovra tensione di alimentazione, mancato rispetto delle istruzioni, maneggiamento, trasporto, manutenzione impropri o inadeguati, negligenza, accidentalità manomissioni del prodotto;
Incompatibilità: realizzazioni, installazioni, operazioni di manutenzione con prodotti non supportati dal produttore;
Situazioni in cui componenti dei prodotti vengano sostituiti con parti non fornite dal produttore;
La qualità di installazione sui prodotti dell'azienda produttrice dei sopracitati componenti non forniti dal produttore.
Piccoli difetti che non abbiano ripercussioni sul valore o sul funzionamento dell'apparecchio.

La garanzia non si applica a qualsiasi altra richiesta (per esempio costi aggiuntivi sostenuti dal cliente), che non sia preventivamente concordata e accettata per iscritto con l'azienda produttrice

Warranty

ARES s.r.l. warrants to the Buyer the satisfactory operation of its products for the period of two years from date of Purchaser's purchase (the invoice date).

Within the warranty period any defects with ARES s.r.l. products as a result of faulty materials or workmanship will be rectified free of charge.

ARES s.r.l. reserves the right to rectify the fault by repair, exchange or replacement.

The warranty does not cover and the manufacturer will not be liable for:

Parts and materials subject to continuous wear;
Problems resulting from external causes such us accident, abuse, misuse, mishandling, negligence, fire, theft, vandalism, riot, explosion, natural disaster, or other external causes unrelated to product defect;
Conditions demonstrating faulty installation, misapplication, extreme environmental conditions beyond those defined in the product specification, under/over voltage situations, lack of compliance with applicable instructions, improper or inadequate handling, shipping, maintenance, negligence, accident, or tampering;
Incompatibility, improper design, manufacture, installation, operation or maintenance of products not supplied by Manufacturer;
Situations in which manufacturer's control gears fixtures and or any parts are replaced with those from other manufacturers;
The quality of the installation on Manufacturer products by the installer of those products. For example, the above warranties would not cover problems resulting from such an installer's installation methods.
Small defects having a negligible effect in value or operation.

The warranty does not apply to any other claims (for instance additional cost incurred by the customer) unless agreed and accepted by the manufacturer in writing.

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
354	F001A21A001	354	F001B21B001	355	F001C23A001.A	356	F001D22B001.A	356	F001D41B001
354	F001A21A006	354	F001B21B006	355	F001C23A006.A	356	F001D22B006.A	356	F001D41B006
354	F001A21A012	354	F001B21B012	355	F001C23A012.A	356	F001D22B012.A	356	F001D41B012
354	F001A21A018	354	F001B21B018	355	F001C23A018.A	356	F001D22B018.A	356	F001D41B018
354	F001A21A030	354	F001B21B030	355	F001C23A030.A	356	F001D22B030.A	356	F001D41B030
354	F001A21A033	354	F001B21B033	355	F001C23A033.A	356	F001D22B033.A	356	F001D41B033
354	F001A21B001	354	F001B21D001	355	F001C31A001.A	356	F001D23A001.A	356	F001D42A001
354	F001A21B006	354	F001B21D006	355	F001C31A006.A	356	F001D23A006.A	356	F001D42A006
354	F001A21B012	354	F001B21D012	355	F001C31A012.A	356	F001D23A012.A	356	F001D42A012
354	F001A21B018	354	F001B21D018	355	F001C31A018.A	356	F001D23A018.A	356	F001D42A018
354	F001A21B030	354	F001B21D030	355	F001C31A030.A	356	F001D23A030.A	356	F001D42A030
354	F001A21B033	354	F001B21D033	355	F001C31A033.A	356	F001D23A033.A	356	F001D42A033
354	F001A21D001	354	F001B31A001	355	F001C32A001.A	356	F001D23B001.A	356	F001D42B001
354	F001A21D006	354	F001B31A006	355	F001C32A006.A	356	F001D23B006.A	356	F001D42B006
354	F001A21D012	354	F001B31A012	355	F001C32A012.A	356	F001D23B012.A	356	F001D42B012
354	F001A21D018	354	F001B31A018	355	F001C32A018.A	356	F001D23B018.A	356	F001D42B018
354	F001A21D030	354	F001B31A030	355	F001C32A030.A	356	F001D23B030.A	356	F001D42B030
354	F001A21D033	354	F001B31A033	355	F001C32A033.A	356	F001D23B033.A	356	F001D42B033
354	F001A31A001	354	F001B31B001	355	F001C33A001.A	356	F001D31A001.A	356	F001D43A001
354	F001A31A006	354	F001B31B006	355	F001C33A006.A	356	F001D31A006.A	356	F001D43A006
354	F001A31A012	354	F001B31B012	355	F001C33A012.A	356	F001D31A012.A	356	F001D43A012
354	F001A31A018	354	F001B31B018	355	F001C33A018.A	356	F001D31A018.A	356	F001D43A018
354	F001A31A030	354	F001B31B030	355	F001C33A030.A	356	F001D31A030.A	356	F001D43A030
354	F001A31A033	354	F001B31B033	355	F001C33A033.A	356	F001D31A033.A	356	F001D43A033
354	F001A31B001	354	F001B31D001	355	F001C41A001	356	F001D31B001.A	356	F001D43B001
354	F001A31B006	354	F001B31D006	355	F001C41A006	356	F001D31B006.A	356	F001D43B006
354	F001A31B012	354	F001B31D012	355	F001C41A012	356	F001D31B012.A	356	F001D43B012
354	F001A31B018	354	F001B31D018	355	F001C41A018	356	F001D31B018.A	356	F001D43B018
354	F001A31B030	354	F001B31D030	355	F001C41A030	356	F001D31B030.A	356	F001D43B030
354	F001A31B033	354	F001B31D033	355	F001C41A033	356	F001D31B033.A	356	F001D43B033
354	F001A31D001	354	F001B41A001	355	F001C42A001	356	F001D32A001.A	357	F001E21A001.A
354	F001A31D006	354	F001B41A006	355	F001C42A006	356	F001D32A006.A	357	F001E21A006.A
354	F001A31D012	354	F001B41A012	355	F001C42A012	356	F001D32A012.A	357	F001E21A012.A
354	F001A31D018	354	F001B41A018	355	F001C42A018	356	F001D32A018.A	357	F001E21A018.A
354	F001A31D030	354	F001B41A030	355	F001C42A030	356	F001D32A030.A	357	F001E21A030.A
354	F001A31D033	354	F001B41A033	355	F001C42A033	356	F001D32A033.A	357	F001E21A033.A
354	F001A41A001	354	F001B41B001	355	F001C43A001	356	F001D32B001.A	357	F001E21B001.A
354	F001A41A006	354	F001B41B006	355	F001C43A006	356	F001D32B006.A	357	F001E21B006.A
354	F001A41A012	354	F001B41B012	355	F001C43A012	356	F001D32B012.A	357	F001E21B012.A
354	F001A41A018	354	F001B41B018	355	F001C43A018	356	F001D32B018.A	357	F001E21B018.A
354	F001A41A030	354	F001B41B030	355	F001C43A030	356	F001D32B030.A	357	F001E21B030.A
354	F001A41A033	354	F001B41B033	355	F001C43A033	356	F001D32B033.A	357	F001E21B033.A
354	F001A41B001	354	F001B41D001	356	F001D21A001.A	356	F001D33A001.A	357	F001E21D001.A
354	F001A41B006	354	F001B41D006	356	F001D21A006.A	356	F001D33A006.A	357	F001E21D006.A
354	F001A41B012	354	F001B41D012	356	F001D21A012.A	356	F001D33A012.A	357	F001E21D012.A
354	F001A41B018	354	F001B41D018	356	F001D21A018.A	356	F001D33A018.A	357	F001E21D018.A
354	F001A41B030	354	F001B41D030	356	F001D21A030.A	356	F001D33A030.A	357	F001E21D030.A
354	F001A41B033	354	F001B41D033	356	F001D21A033.A	356	F001D33A033.A	357	F001E21D033.A
354	F001A41D001	355	F001C21A001.A	356	F001D21B001.A	356	F001D33B001.A	357	F001E22A001.A
354	F001A41D006	355	F001C21A006.A	356	F001D21B006.A	356	F001D33B006.A	357	F001E22A006.A
354	F001A41D012	355	F001C21A012.A	356	F001D21B012.A	356	F001D33B012.A	357	F001E22A012.A
354	F001A41D018	355	F001C21A018.A	356	F001D21B018.A	356	F001D33B018.A	357	F001E22A018.A
354	F001A41D030	355	F001C21A030.A	356	F001D21B030.A	356	F001D33B030.A	357	F001E22A030.A
354	F001A41D033	355	F001C21A033.A	356	F001D21B033.A	356	F001D33B033.A	357	F001E22A033.A
354	F001B21A001	355	F001C22A001.A	356	F001D22A001.A	356	F001D41A001	357	F001E22B001.A
354	F001B21A006	355	F001C22A006.A	356	F001D22A006.A	356	F001D41A006	357	F001E22B006.A
354	F001B21A012	355	F001C22A012.A	356	F001D22A012.A	356	F001D41A012	357	F001E22B012.A
354	F001B21A018	355	F001C22A018.A	356	F001D22A018.A	356	F001D41A018	357	F001E22B018.A
354	F001B21A030	355	F001C22A030.A	356	F001D22A030.A	356	F001D41A030	357	F001E22B030.A
354	F001B21A033	355	F001C22A033.A	356	F001D22A033.A	356	F001D41A033	357	F001E22B033.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
357	F001E22D001.A	357	F001E33A001	357	F001E43B001	358	F001F43A001	359	F001Z010000
357	F001E22D006.A	357	F001E33A006	357	F001E43B006	358	F001F43A006	347	F001Z020000
357	F001E22D012.A	357	F001E33A012	357	F001E43B012	358	F001F43A012	359	F001Z030000
357	F001E22D018.A	357	F001E33A018	357	F001E43B018	358	F001F43A018	359	F001Z040000
357	F001E22D030.A	357	F001E33A030	357	F001E43B030	358	F001F43A030	366	F002A20A001.B
357	F001E22D033.A	357	F001E33A033	357	F001E43B033	358	F001F43A033	366	F002A20A006.B
357	F001E23A001.A	357	F001E33B001	357	F001E43D001	359	F001G21A001.A	366	F002A20A012.B
357	F001E23A006.A	357	F001E33B006	357	F001E43D006	359	F001G21A006.A	366	F002A20A018.B
357	F001E23A012.A	357	F001E33B012	357	F001E43D012	359	F001G21A012.A	366	F002A20A030.B
357	F001E23A018.A	357	F001E33B018	357	F001E43D018	359	F001G21A018.A	366	F002A20A033.B
357	F001E23A030.A	357	F001E33B030	357	F001E43D030	359	F001G21A030.A	366	F002A20B001.B
357	F001E23A033.A	357	F001E33B033	357	F001E43D033	359	F001G21A033.A	366	F002A20B006.B
357	F001E23B001.A	357	F001E33D001	358	F001F21A001.A	359	F001G22A001.A	366	F002A20B012.B
357	F001E23B006.A	357	F001E33D006	358	F001F21A006.A	359	F001G22A006.A	366	F002A20B018.B
357	F001E23B012.A	357	F001E33D012	358	F001F21A012.A	359	F001G22A012.A	366	F002A20B030.B
357	F001E23B018.A	357	F001E33D018	358	F001F21A018.A	359	F001G22A018.A	366	F002A20B033.B
357	F001E23B030.A	357	F001E33D030	358	F001F21A030.A	359	F001G22A030.A	366	F002A20D001.B
357	F001E23B033.A	357	F001E33D033	358	F001F21A033.A	359	F001G22A033.A	366	F002A20D006.B
357	F001E23D001.A	357	F001E41A001	358	F001F22A001.A	359	F001G23A001.A	366	F002A20D012.B
357	F001E23D006.A	357	F001E41A006	358	F001F22A006.A	359	F001G23A006.A	366	F002A20D018.B
357	F001E23D012.A	357	F001E41A012	358	F001F22A012.A	359	F001G23A012.A	366	F002A20D030.B
357	F001E23D018.A	357	F001E41A018	358	F001F22A018.A	359	F001G23A018.A	366	F002A20D033.B
357	F001E23D030.A	357	F001E41A030	358	F001F22A030.A	359	F001G23A030.A	366	F002A21A070.B
357	F001E23D033.A	357	F001E41A033	358	F001F22A033.A	359	F001G23A033.A	366	F002A21A071.B
357	F001E31A001.A	357	F001E41B001	358	F001F23A001.A	359	F001G31A001.A	366	F002A21B070.B
357	F001E31A006.A	357	F001E41B006	358	F001F23A006.A	359	F001G31A006.A	366	F002A21B071.B
357	F001E31A012.A	357	F001E41B012	358	F001F23A012.A	359	F001G31A012.A	366	F002A21D070.B
357	F001E31A018.A	357	F001E41B018	358	F001F23A018.A	359	F001G31A018.A	366	F002A21D071.B
357	F001E31A030.A	357	F001E41B030	358	F001F23A030.A	359	F001G31A030.A	366	F002A30A001.B
357	F001E31A033.A	357	F001E41B033	358	F001F23A033.A	359	F001G31A033.A	366	F002A30A006.B
357	F001E31B001.A	357	F001E41D001	358	F001F31A001.A	359	F001G32A001.A	366	F002A30A012.B
357	F001E31B006.A	357	F001E41D006	358	F001F31A006.A	359	F001G32A006.A	366	F002A30A018.B
357	F001E31B012.A	357	F001E41D012	358	F001F31A012.A	359	F001G32A012.A	366	F002A30A030.B
357	F001E31B018.A	357	F001E41D018	358	F001F31A018.A	359	F001G32A018.A	366	F002A30A033.B
357	F001E31B030.A	357	F001E41D030	358	F001F31A030.A	359	F001G32A030.A	366	F002A30B001.B
357	F001E31B033.A	357	F001E41D033	358	F001F31A033.A	359	F001G32A033.A	366	F002A30B006.B
357	F001E31D001.A	357	F001E42A001	358	F001F32A001.A	359	F001G33A001.A	366	F002A30B012.B
357	F001E31D006.A	357	F001E42A006	358	F001F32A006.A	359	F001G33A006.A	366	F002A30B018.B
357	F001E31D012.A	357	F001E42A012	358	F001F32A012.A	359	F001G33A012.A	366	F002A30B030.B
357	F001E31D018.A	357	F001E42A018	358	F001F32A018.A	359	F001G33A018.A	366	F002A30B033.B
357	F001E31D030.A	357	F001E42A030	358	F001F32A030.A	359	F001G33A030.A	366	F002A30D001.B
357	F001E31D033.A	357	F001E42A033	358	F001F32A033.A	359	F001G33A033.A	366	F002A30D006.B
357	F001E32A001.A	357	F001E42B001	358	F001F33A001.A	359	F001G41A001	366	F002A30D012.B
357	F001E32A006.A	357	F001E42B006	358	F001F33A006.A	359	F001G41A006	366	F002A30D018.B
357	F001E32A012.A	357	F001E42B012	358	F001F33A012.A	359	F001G41A012	366	F002A30D030.B
357	F001E32A018.A	357	F001E42B018	358	F001F33A018.A	359	F001G41A018	366	F002A30D033.B
357	F001E32A030.A	357	F001E42B030	358	F001F33A030.A	359	F001G41A030	366	F002A31A070.B
357	F001E32A033.A	357	F001E42B033	358	F001F33A033.A	359	F001G41A033	366	F002A31A071.B
357	F001E32B001.A	357	F001E42D001	358	F001F41A001	359	F001G42A001	366	F002A31B070.B
357	F001E32B006.A	357	F001E42D006	358	F001F41A006	359	F001G42A006	366	F002A31B071.B
357	F001E32B012.A	357	F001E42D012	358	F001F41A012	359	F001G42A012	366	F002A31D070.B
357	F001E32B018.A	357	F001E42D018	358	F001F41A018	359	F001G42A018	366	F002A31D071.B
357	F001E32B030.A	357	F001E42D030	358	F001F41A030	359	F001G42A030	366	F002A40A001.B
357	F001E32B033.A	357	F001E42D033	358	F001F41A033	359	F001G42A033	366	F002A40A006.B
357	F001E32D001.A	357	F001E43A001	358	F001F42A001	359	F001G43A001	366	F002A40A012.B
357	F001E32D006.A	357	F001E43A006	358	F001F42A006	359	F001G43A006	366	F002A40A018.B
357	F001E32D012.A	357	F001E43A012	358	F001F42A012	359	F001G43A012	366	F002A40A030.B
357	F001E32D018.A	357	F001E43A018	358	F001F42A018	359	F001G43A018	366	F002A40A033.B
357	F001E32D030.A	357	F001E43A030	358	F001F42A030	359	F001G43A030	366	F002A40B001.B
357	F001E32D033.A	357	F001E43A033	358	F001F42A033	359	F001G43A033	366	F002A40B006.B

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
366	F002A40B012.B	367	F002B31B070.B	317	F003A21D030	318	F003B21D006	316	F003C21B033
366	F002A40B018.B	367	F002B31B071.B	317	F003A21D033	318	F003B21D012	316	F003C21B056
366	F002A40B030.B	367	F002B31D070.B	317	F003A21D056	318	F003B21D018	316	F003C21D001
366	F002A40B033.B	367	F002B31D071.B	317	F003A31A001	318	F003B21D030	316	F003C21D006
366	F002A40D001.B	367	F002B40A001.B	317	F003A31A006	318	F003B21D033	316	F003C21D012
366	F002A40D006.B	367	F002B40A006.B	317	F003A31A012	318	F003B21D056	316	F003C21D018
366	F002A40D012.B	367	F002B40A012.B	317	F003A31A018	318	F003B31A001	316	F003C21D030
366	F002A40D018.B	367	F002B40A018.B	317	F003A31A030	318	F003B31A006	316	F003C21D033
366	F002A40D030.B	367	F002B40A030.B	317	F003A31A033	318	F003B31A012	316	F003C21D056
366	F002A40D033.B	367	F002B40A033.B	317	F003A31A056	318	F003B31A018	316	F003C31A001
366	F002A41A070.B	367	F002B40B001.B	317	F003A31B001	318	F003B31A030	316	F003C31A006
366	F002A41A071.B	367	F002B40B006.B	317	F003A31B006	318	F003B31A033	316	F003C31A012
366	F002A41B070.B	367	F002B40B012.B	317	F003A31B012	318	F003B31A056	316	F003C31A018
366	F002A41B071.B	367	F002B40B018.B	317	F003A31B018	318	F003B31B001	316	F003C31A030
366	F002A41D070.B	367	F002B40B030.B	317	F003A31B030	318	F003B31B006	316	F003C31A033
366	F002A41D071.B	367	F002B40B033.B	317	F003A31B033	318	F003B31B012	316	F003C31A056
367	F002B20A001.B	367	F002B40D001.B	317	F003A31B056	318	F003B31B018	316	F003C31B001
367	F002B20A006.B	367	F002B40D006.B	317	F003A31D001	318	F003B31B030	316	F003C31B006
367	F002B20A012.B	367	F002B40D012.B	317	F003A31D006	318	F003B31B033	316	F003C31B012
367	F002B20A018.B	367	F002B40D018.B	317	F003A31D012	318	F003B31B056	316	F003C31B018
367	F002B20A030.B	367	F002B40D030.B	317	F003A31D018	318	F003B31D001	316	F003C31B030
367	F002B20A033.B	367	F002B40D033.B	317	F003A31D030	318	F003B31D006	316	F003C31B033
367	F002B20B001.B	367	F002B41A070.B	317	F003A31D033	318	F003B31D012	316	F003C31B056
367	F002B20B006.B	367	F002B41A071.B	317	F003A31D056	318	F003B31D018	316	F003C31D001
367	F002B20B012.B	367	F002B41B070.B	317	F003A41A001	318	F003B31D030	316	F003C31D006
367	F002B20B018.B	367	F002B41B071.B	317	F003A41A006	318	F003B31D033	316	F003C31D012
367	F002B20B030.B	367	F002B41D070.B	317	F003A41A012	318	F003B31D056	316	F003C31D018
367	F002B20B033.B	367	F002B41D071.B	317	F003A41A018	318	F003B41A001	316	F003C31D030
367	F002B20D001.B	368	F002Z010001.A	317	F003A41A030	318	F003B41A006	316	F003C31D033
367	F002B20D006.B	368	F002Z010006.A	317	F003A41A033	318	F003B41A012	316	F003C31D056
367	F002B20D012.B	368	F002Z010012.A	317	F003A41A056	318	F003B41A018	316	F003C41A001
367	F002B20D018.B	368	F002Z010018.A	317	F003A41B001	318	F003B41A030	316	F003C41A006
367	F002B20D030.B	368	F002Z010030.A	317	F003A41B006	318	F003B41A033	316	F003C41A012
367	F002B20D033.B	368	F002Z010033.A	317	F003A41B012	318	F003B41A056	316	F003C41A018
367	F002B21A070.B	368	F002Z020000	317	F003A41B018	318	F003B41B001	316	F003C41A030
367	F002B21A071.B	368	F002Z030000.A	317	F003A41B030	318	F003B41B006	316	F003C41A033
367	F002B21B070.B	368	F002Z040070	317	F003A41B033	318	F003B41B012	316	F003C41A056
367	F002B21B071.B	368	F002Z040071	317	F003A41B056	318	F003B41B018	316	F003C41B001
367	F002B21D070.B	368	F002Z040073	317	F003A41D001	318	F003B41B030	316	F003C41B006
367	F002B21D071.B	368	F002Z050070	317	F003A41D006	318	F003B41B033	316	F003C41B012
367	F002B30A001.B	368	F002Z050071	317	F003A41D012	318	F003B41B056	316	F003C41B018
367	F002B30A006.B	368	F002Z050073	317	F003A41D018	318	F003B41D001	316	F003C41B030
367	F002B30A012.B	317	F003A21A001	317	F003A41D030	318	F003B41D006	316	F003C41B033
367	F002B30A018.B	317	F003A21A006	317	F003A41D033	318	F003B41D012	316	F003C41B056
367	F002B30A030.B	317	F003A21A012	317	F003A41D056	318	F003B41D018	316	F003C41D001
367	F002B30A033.B	317	F003A21A018	318	F003B21A001	318	F003B41D030	316	F003C41D006
367	F002B30B001.B	317	F003A21A030	318	F003B21A006	318	F003B41D033	316	F003C41D012
367	F002B30B006.B	317	F003A21A033	318	F003B21A012	318	F003B41D056	316	F003C41D018
367	F002B30B012.B	317	F003A21A056	318	F003B21A018	316	F003C21A001	316	F003C41D030
367	F002B30B018.B	317	F003A21B001	318	F003B21A030	316	F003C21A006	316	F003C41D033
367	F002B30B030.B	317	F003A21B006	318	F003B21A033	316	F003C21A012	316	F003C41D056
367	F002B30B033.B	317	F003A21B012	318	F003B21A056	316	F003C21A018	320	F003G21A006
367	F002B30D001.B	317	F003A21B018	318	F003B21B001	316	F003C21A030	320	F003G21A018
367	F002B30D006.B	317	F003A21B030	318	F003B21B006	316	F003C21A033	320	F003G21A033
367	F002B30D012.B	317	F003A21B033	318	F003B21B012	316	F003C21A056	320	F003G21B006
367	F002B30D018.B	317	F003A21B056	318	F003B21B018	316	F003C21B001	320	F003G21B018
367	F002B30D030.B	317	F003A21D001	318	F003B21B030	316	F003C21B006	320	F003G21B033
367	F002B30D033.B	317	F003A21D006	318	F003B21B033	316	F003C21B012	320	F003G21D006
367	F002B31A070.B	317	F003A21D012	318	F003B21B056	316	F003C21B018	320	F003G21D018
367	F002B31A071.B	317	F003A21D018	318	F003B21D001	316	F003C21B030	320	F003G21D033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
320	F003G31A006	320	F003K31D006	305	F004A35A056	301	F004C30A012	299	F004E31A012
320	F003G31A018	320	F003K31D018	305	F004A35H056	301	F004C30A018	299	F004E31A018
320	F003G31A033	320	F003K31D033	304	F004A36A05601	301	F004C30A030	299	F004E31A030
320	F003G31B006	320	F003K41A006	304	F004A37A05602	301	F004C30A033	299	F004E31A033
320	F003G31B018	320	F003K41A018	304	F004A41A056	301	F004C40A001	299	F004E32A001.A
320	F003G31B033	320	F003K41A033	304	F004A41H056	301	F004C40A006	299	F004E32A006.A
320	F003G31D006	320	F003K41B006	304	F004A42A056	301	F004C40A012	299	F004E32A012.A
320	F003G31D018	320	F003K41B018	304	F004A42H056	301	F004C40A018	299	F004E32A018.A
320	F003G31D033	320	F003K41B033	304	F004A43A056	301	F004C40A030	299	F004E32A030.A
320	F003G41A006	320	F003K41D006	304	F004A43H056	301	F004C40A033	299	F004E32A033.A
320	F003G41A018	320	F003K41D018	305	F004A44A056	298	F004D21A001	299	F004E41A001
320	F003G41A033	320	F003K41D033	305	F004A44H056	298	F004D21A006	299	F004E41A006
320	F003G41B006	319	F003L21A006	305	F004A45A056	298	F004D21A012	299	F004E41A012
320	F003G41B018	319	F003L21A018	305	F004A45H056	298	F004D21A018	299	F004E41A018
320	F003G41B033	319	F003L21A033	304	F004A46A05601	298	F004D21A030	299	F004E41A030
320	F003G41D006	319	F003L21B006	304	F004A47A05602	298	F004D21A033	299	F004E41A033
320	F003G41D018	319	F003L21B018	306	F004B21A056	298	F004D22A001	299	F004E42A001
320	F003G41D033	319	F003L21B033	306	F004B21H056	298	F004D22A006	299	F004E42A006
319	F003H21A006	319	F003L21D006	306	F004B22A056	298	F004D22A012	299	F004E42A012
319	F003H21A018	319	F003L21D018	306	F004B22H056	298	F004D22A018	299	F004E42A018
319	F003H21A033	319	F003L21D033	306	F004B23A056	298	F004D22A030	299	F004E42A030
319	F003H21B006	319	F003L31A006	306	F004B23H056	298	F004D22A033	299	F004E42A033
319	F003H21B018	319	F003L31A018	307	F004B24A056	298	F004D31A001	298	F004F21A071
319	F003H21B033	319	F003L31A033	307	F004B24H056	298	F004D31A006	298	F004F22A071
319	F003H21D006	319	F003L31B006	307	F004B25A056	298	F004D31A012	298	F004F31A071
319	F003H21D018	319	F003L31B018	307	F004B25H056	298	F004D31A018	298	F004F32A071
319	F003H21D033	319	F003L31B033	306	F004B26A05601	298	F004D31A030	298	F004F41A071
319	F003H31A006	319	F003L31D006	306	F004B27A05602	298	F004D31A033	298	F004F42A071
319	F003H31A018	319	F003L31D018	306	F004B31A056	298	F004D32A001	299	F004G21A071
319	F003H31A033	319	F003L31D033	306	F004B31H056	298	F004D32A006	299	F004G22A071.A
319	F003H31B006	319	F003L41A006	306	F004B32A056	298	F004D32A012	299	F004G31A071
319	F003H31B018	319	F003L41A018	306	F004B32H056	298	F004D32A018	299	F004G32A071.A
319	F003H31B033	319	F003L41A033	306	F004B33A056	298	F004D32A030	299	F004G41A071
319	F003H31D006	319	F003L41B006	306	F004B33H056	298	F004D32A033	299	F004G42A071
319	F003H31D018	319	F003L41B018	307	F004B34A056	298	F004D41A001	301	F004H20A071
319	F003H31D033	319	F003L41B033	307	F004B34H056	298	F004D41A006	301	F004H30A071
319	F003H41A006	319	F003L41D006	307	F004B35A056	298	F004D41A012	301	F004H40A071
319	F003H41A018	319	F003L41D018	307	F004B35H056	298	F004D41A018	300	F004Z010001
319	F003H41A033	319	F003L41D033	306	F004B36A05601	298	F004D41A030	300	F004Z010006
319	F003H41B006	318	F003Z010000	306	F004B37A05602	298	F004D41A033	300	F004Z010012
319	F003H41B018	304	F004A21A056	306	F004B41A056	298	F004D42A001	300	F004Z010018
319	F003H41B033	304	F004A21H056	306	F004B41H056	298	F004D42A006	300	F004Z010030
319	F003H41D006	304	F004A22A056	306	F004B42A056	298	F004D42A012	300	F004Z010033
319	F003H41D018	304	F004A22H056	306	F004B42H056	298	F004D42A018	300	F004Z020001
319	F003H41D033	304	F004A23A056	306	F004B43A056	298	F004D42A030	300	F004Z020006
320	F003K21A006	304	F004A23H056	306	F004B43H056	298	F004D42A033	300	F004Z020012
320	F003K21A018	305	F004A24A056	307	F004B44A056	299	F004E21A001	300	F004Z020018
320	F003K21A033	305	F004A24H056	307	F004B44H056	299	F004E21A006	300	F004Z020030
320	F003K21B006	305	F004A25A056	307	F004B45A056	299	F004E21A012	300	F004Z020033
320	F003K21B018	305	F004A25H056	307	F004B45H056	299	F004E21A018	300	F004Z030001
320	F003K21B033	304	F004A26A05601	306	F004B46A05601	299	F004E21A030	300	F004Z030006
320	F003K21D006	304	F004A27A05602	306	F004B47A05602	299	F004E21A033	300	F004Z030012
320	F003K21D018	304	F004A31A056	301	F004C20A001	299	F004E22A001.A	300	F004Z030018
320	F003K21D033	304	F004A31H056	301	F004C20A006	299	F004E22A006.A	300	F004Z030030
320	F003K31A006	304	F004A32A056	301	F004C20A012	299	F004E22A012.A	300	F004Z030033
320	F003K31A018	304	F004A32H056	301	F004C20A018	299	F004E22A018.A	300	F004Z040001
320	F003K31A033	304	F004A33A056	301	F004C20A030	299	F004E22A030.A	300	F004Z040006
320	F003K31B006	304	F004A33H056	301	F004C20A033	299	F004E22A033.A	300	F004Z040012
320	F003K31B018	305	F004A34A056	301	F004C30A001	299	F004E31A001	300	F004Z040018
320	F003K31B033	305	F004A34H056	301	F004C30A006	299	F004E31A006	300	F004Z040030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
300	F004Z040033	345	F010B22D033	345	F010B42D033	344	F010H21A033	344	F010J31B033
300	F004Z060000	345	F010B31A001	346	F010C22A001	344	F010H21B001	344	F010J31D001
300	F004Z070000	345	F010B31A006	346	F010C22A006	344	F010H21B006	344	F010J31D006
300	F004Z0A0071	345	F010B31A012	346	F010C22A012	344	F010H21B012	344	F010J31D012
300	F004Z0B0000	345	F010B31A018	346	F010C22A018	344	F010H21B018	344	F010J31D018
300	F004Z0C0000	345	F010B31A030	346	F010C22A030	344	F010H21B030	344	F010J31D030
300	F004Z0D0071	345	F010B31A033	346	F010C22A033	344	F010H21B033	344	F010J31D033
300	F004Z0E0071	345	F010B31B001	346	F010C22B001	344	F010H31A001	344	F010J41A001
300	F004Z0F0071	345	F010B31B006	346	F010C22B006	344	F010H31A006	344	F010J41A006
300	F004Z0H0000	345	F010B31B012	346	F010C22B012	344	F010H31A012	344	F010J41A012
305	F004Z0J0000	345	F010B31B018	346	F010C22B018	344	F010H31A018	344	F010J41A018
307	F004Z0K0000	345	F010B31B030	346	F010C22B030	344	F010H31A030	344	F010J41A030
300	F004Z0L0000	345	F010B31B033	346	F010C22B033	344	F010H31A033	344	F010J41A033
342	F010A20H001	345	F010B32A001	346	F010C22D001	344	F010H31B001	344	F010J41B001
342	F010A20H006	345	F010B32A006	346	F010C22D006	344	F010H31B006	344	F010J41B006
342	F010A20H012	345	F010B32A012	346	F010C22D012	344	F010H31B012	344	F010J41B012
342	F010A20H018	345	F010B32A018	346	F010C22D018	344	F010H31B018	344	F010J41B018
342	F010A20H030	345	F010B32A030	346	F010C22D030	344	F010H31B030	344	F010J41B030
342	F010A20H033	345	F010B32A033	346	F010C22D033	344	F010H31B033	344	F010J41B033
342	F010A30H001	345	F010B32B001	346	F010C32A001	344	F010H41A001	344	F010J41D001
342	F010A30H006	345	F010B32B006	346	F010C32A006	344	F010H41A006	344	F010J41D006
342	F010A30H012	345	F010B32B012	346	F010C32A012	344	F010H41A012	344	F010J41D012
342	F010A30H018	345	F010B32B018	346	F010C32A018	344	F010H41A018	344	F010J41D018
342	F010A30H030	345	F010B32B030	346	F010C32A030	344	F010H41A030	344	F010J41D030
342	F010A30H033	345	F010B32B033	346	F010C32A033	344	F010H41A033	344	F010J41D033
342	F010A40H001	345	F010B32D001	346	F010C32B001	344	F010H41B001	246	F011A21F018.A
342	F010A40H006	345	F010B32D006	346	F010C32B006	344	F010H41B006	246	F011A22F030.A
342	F010A40H012	345	F010B32D012	346	F010C32B012	344	F010H41B012	246	F011A22F037.A
342	F010A40H018	345	F010B32D018	346	F010C32B018	344	F010H41B018	246	F011A23F059.A
342	F010A40H030	345	F010B32D030	346	F010C32B030	344	F010H41B030	246	F011A24F055.A
342	F010A40H033	345	F010B32D033	346	F010C32B033	344	F010H41B033	246	F011A31F018.A
345	F010B21A001	345	F010B41A001	346	F010C32D001	344	F010J21A001	246	F011A32F030.A
345	F010B21A006	345	F010B41A006	346	F010C32D006	344	F010J21A006	246	F011A32F037.A
345	F010B21A012	345	F010B41A012	346	F010C32D012	344	F010J21A012	246	F011A33F059.A
345	F010B21A018	345	F010B41A018	346	F010C32D018	344	F010J21A018	246	F011A34F055.A
345	F010B21A030	345	F010B41A030	346	F010C32D030	344	F010J21A030	246	F011A41F018.A
345	F010B21A033	345	F010B41A033	346	F010C32D033	344	F010J21A033	246	F011A42F030.A
345	F010B21B001	345	F010B41B001	346	F010C42A001	344	F010J21B001	246	F011A42F037.A
345	F010B21B006	345	F010B41B006	346	F010C42A006	344	F010J21B006	246	F011A43F059.A
345	F010B21B012	345	F010B41B012	346	F010C42A012	344	F010J21B012	246	F011A44F055.A
345	F010B21B018	345	F010B41B018	346	F010C42A018	344	F010J21B018	248	F011D20A018
345	F010B21B030	345	F010B41B030	346	F010C42A030	344	F010J21B030	248	F011D20A030
345	F010B21B033	345	F010B41B033	346	F010C42A033	344	F010J21B033	248	F011D20A037
345	F010B22A001	345	F010B42A001	346	F010C42B001	344	F010J21D001	248	F011D20A055
345	F010B22A006	345	F010B42A006	346	F010C42B006	344	F010J21D006	248	F011D20A059
345	F010B22A012	345	F010B42A012	346	F010C42B012	344	F010J21D012	248	F011D20B018
345	F010B22A018	345	F010B42A018	346	F010C42B018	344	F010J21D018	248	F011D20B030
345	F010B22A030	345	F010B42A030	346	F010C42B030	344	F010J21D030	248	F011D20B037
345	F010B22A033	345	F010B42A033	346	F010C42B033	344	F010J21D033	248	F011D20B055
345	F010B22B001	345	F010B42B001	346	F010C42D001	344	F010J31A001	248	F011D20B059
345	F010B22B006	345	F010B42B006	346	F010C42D006	344	F010J31A006	248	F011D20D018
345	F010B22B012	345	F010B42B012	346	F010C42D012	344	F010J31A012	248	F011D20D030
345	F010B22B018	345	F010B42B018	346	F010C42D018	344	F010J31A018	248	F011D20D037
345	F010B22B030	345	F010B42B030	346	F010C42D030	344	F010J31A030	248	F011D20D055
345	F010B22B033	345	F010B42B033	346	F010C42D033	344	F010J31A033	248	F011D20D059
345	F010B22D001	345	F010B42D001	344	F010H21A001	344	F010J31B001	248	F011D30A018
345	F010B22D006	345	F010B42D006	344	F010H21A006	344	F010J31B006	248	F011D30A030
345	F010B22D012	345	F010B42D012	344	F010H21A012	344	F010J31B012	248	F011D30A037
345	F010B22D018	345	F010B42D018	344	F010H21A018	344	F010J31B018	248	F011D30A055
345	F010B22D030	345	F010B42D030	344	F010H21A030	344	F010J31B030	248	F011D30A059

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
248	F011D30B018	248	F011E40B018	257	F012B01C018.A	222	F015A41A012	223	F015B41A000
248	F011D30B030	248	F011E40B030	257	F012B02C030.A	222	F015A41A018	223	F015B41A001
248	F011D30B037	248	F011E40B037	257	F012B02C037.A	222	F015A41A030	223	F015B41A006
248	F011D30B055	248	F011E40B055	257	F012B03C059.A	222	F015A41A033	223	F015B41A012
248	F011D30B059	248	F011E40B059	257	F012B04C055.A	222	F015A42A000	223	F015B41A018
248	F011D30D018	248	F011E40D018	256	F012H00C018	222	F015A42A001	223	F015B41A030
248	F011D30D030	248	F011E40D030	256	F012H00C030	222	F015A42A006	223	F015B41A033
248	F011D30D037	248	F011E40D037	256	F012H00C037	222	F015A42A012	223	F015B42A000
248	F011D30D055	248	F011E40D055	256	F012H00C055	222	F015A42A018	223	F015B42A001
248	F011D30D059	248	F011E40D059	256	F012H00C059	222	F015A42A030	223	F015B42A006
248	F011D40A018	247	F011W20A018	256	F012J00C018	222	F015A42A033	223	F015B42A012
248	F011D40A030	247	F011W20A030	256	F012J00C030	224	F015A43A000	223	F015B42A018
248	F011D40A037	247	F011W20A037	256	F012J00C037	224	F015A43A001	223	F015B42A030
248	F011D40A055	247	F011W20A055	256	F012J00C055	224	F015A43A006	223	F015B42A033
248	F011D40A059	247	F011W20A059	256	F012J00C059	224	F015A43A012	224	F015B43A000
248	F011D40B018	247	F011W20B018	222	F015A21A000	224	F015A43A018	224	F015B43A001
248	F011D40B030	247	F011W20B030	222	F015A21A001	224	F015A43A030	224	F015B43A006
248	F011D40B037	247	F011W20B037	222	F015A21A006	224	F015A43A033	224	F015B43A012
248	F011D40B055	247	F011W20B055	222	F015A21A012	223	F015B21A000	224	F015B43A018
248	F011D40B059	247	F011W20B059	222	F015A21A018	223	F015B21A001	224	F015B43A030
248	F011D40D018	247	F011W20D018	222	F015A21A030	223	F015B21A006	224	F015B43A033
248	F011D40D030	247	F011W20D030	222	F015A21A033	223	F015B21A012	225	F015C24A000
248	F011D40D037	247	F011W20D037	222	F015A22A000	223	F015B21A018	225	F015C24A001
248	F011D40D055	247	F011W20D055	222	F015A22A001	223	F015B21A030	225	F015C24A006
248	F011D40D059	247	F011W20D059	222	F015A22A006	223	F015B21A033	225	F015C24A012
248	F011E20A018	247	F011W30A018	222	F015A22A012	223	F015B22A000	225	F015C24A018
248	F011E20A030	247	F011W30A030	222	F015A22A018	223	F015B22A001	225	F015C24A030
248	F011E20A037	247	F011W30A037	222	F015A22A030	223	F015B22A006	225	F015C24A033
248	F011E20A055	247	F011W30A055	222	F015A22A033	223	F015B22A012	225	F015C34A000
248	F011E20A059	247	F011W30A059	224	F015A23A000	223	F015B22A018	225	F015C34A001
248	F011E20B018	247	F011W30B018	224	F015A23A001	223	F015B22A030	225	F015C34A006
248	F011E20B030	247	F011W30B030	224	F015A23A006	223	F015B22A033	225	F015C34A012
248	F011E20B037	247	F011W30B037	224	F015A23A012	224	F015B23A000	225	F015C34A018
248	F011E20B055	247	F011W30B055	224	F015A23A018	224	F015B23A001	225	F015C34A030
248	F011E20B059	247	F011W30B059	224	F015A23A030	224	F015B23A006	225	F015C34A033
248	F011E20D018	247	F011W30D018	224	F015A23A033	224	F015B23A012	225	F015C44A000
248	F011E20D030	247	F011W30D030	222	F015A31A000	224	F015B23A018	225	F015C44A001
248	F011E20D037	247	F011W30D037	222	F015A31A001	224	F015B23A030	225	F015C44A006
248	F011E20D055	247	F011W30D055	222	F015A31A006	224	F015B23A033	225	F015C44A012
248	F011E20D059	247	F011W30D059	222	F015A31A012	223	F015B31A000	225	F015C44A018
248	F011E30A018	247	F011W40A018	222	F015A31A018	223	F015B31A001	225	F015C44A030
248	F011E30A030	247	F011W40A030	222	F015A31A030	223	F015B31A006	225	F015C44A033
248	F011E30A037	247	F011W40A037	222	F015A31A033	223	F015B31A012	225	F015D21A000
248	F011E30A055	247	F011W40A055	222	F015A32A000	223	F015B31A018	225	F015D21A001
248	F011E30A059	247	F011W40A059	222	F015A32A001	223	F015B31A030	225	F015D21A006
248	F011E30B018	247	F011W40B018	222	F015A32A006	223	F015B31A033	225	F015D21A012
248	F011E30B030	247	F011W40B030	222	F015A32A012	223	F015B32A000	225	F015D21A018
248	F011E30B037	247	F011W40B037	222	F015A32A018	223	F015B32A001	225	F015D21A030
248	F011E30B055	247	F011W40B055	222	F015A32A030	223	F015B32A006	225	F015D21A033
248	F011E30B059	247	F011W40B059	222	F015A32A033	223	F015B32A012	225	F015D21B000
248	F011E30D018	247	F011W40D018	224	F015A33A000	223	F015B32A018	225	F015D21B001
248	F011E30D030	247	F011W40D030	224	F015A33A001	223	F015B32A030	225	F015D21B006
248	F011E30D037	247	F011W40D037	224	F015A33A006	223	F015B32A033	225	F015D21B012
248	F011E30D055	247	F011W40D055	224	F015A33A012	224	F015B33A000	225	F015D21B018
248	F011E30D059	247	F011W40D059	224	F015A33A018	224	F015B33A001	225	F015D21B030
248	F011E40A018	257	F012A01C018.A	224	F015A33A030	224	F015B33A006	225	F015D21B033
248	F011E40A030	257	F012A02C030.A	224	F015A33A033	224	F015B33A012	225	F015D21D000
248	F011E40A037	257	F012A02C037.A	222	F015A41A000	224	F015B33A018	225	F015D21D001
248	F011E40A055	257	F012A03C059.A	222	F015A41A001	224	F015B33A030	225	F015D21D006
248	F011E40A059	257	F012A04C055.A	222	F015A41A006	224	F015B33A033	225	F015D21D012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
225	F015D21D018	225	F015D31D001	225	F015D41B030	227	F015E21B006	227	F015E31A033
225	F015D21D030	225	F015D31D006	225	F015D41B033	227	F015E21B012	227	F015E31B000
225	F015D21D033	225	F015D31D012	225	F015D41D000	227	F015E21B018	227	F015E31B001
226	F015D22A000	225	F015D31D018	225	F015D41D001	227	F015E21B030	227	F015E31B006
226	F015D22A001	225	F015D31D030	225	F015D41D006	227	F015E21B033	227	F015E31B012
226	F015D22A006	225	F015D31D033	225	F015D41D012	227	F015E21D000	227	F015E31B018
226	F015D22A012	226	F015D32A000	225	F015D41D018	227	F015E21D001	227	F015E31B030
226	F015D22A018	226	F015D32A001	225	F015D41D030	227	F015E21D006	227	F015E31B033
226	F015D22A030	226	F015D32A006	225	F015D41D033	227	F015E21D012	227	F015E31D000
226	F015D22A033	226	F015D32A012	226	F015D42A000	227	F015E21D018	227	F015E31D001
226	F015D22B000	226	F015D32A018	226	F015D42A001	227	F015E21D030	227	F015E31D006
226	F015D22B001	226	F015D32A030	226	F015D42A006	227	F015E21D033	227	F015E31D012
226	F015D22B006	226	F015D32A033	226	F015D42A012	228	F015E22A000	227	F015E31D018
226	F015D22B012	226	F015D32B000	226	F015D42A018	228	F015E22A001	227	F015E31D030
226	F015D22B018	226	F015D32B001	226	F015D42A030	228	F015E22A006	227	F015E31D033
226	F015D22B030	226	F015D32B006	226	F015D42A033	228	F015E22A012	228	F015E32A000
226	F015D22B033	226	F015D32B012	226	F015D42B000	228	F015E22A018	228	F015E32A001
226	F015D22D000	226	F015D32B018	226	F015D42B001	228	F015E22A030	228	F015E32A006
226	F015D22D001	226	F015D32B030	226	F015D42B006	228	F015E22A033	228	F015E32A012
226	F015D22D006	226	F015D32B033	226	F015D42B012	228	F015E22B000	228	F015E32A018
226	F015D22D012	226	F015D32D000	226	F015D42B018	228	F015E22B001	228	F015E32A030
226	F015D22D018	226	F015D32D001	226	F015D42B030	228	F015E22B006	228	F015E32A033
226	F015D22D030	226	F015D32D006	226	F015D42B033	228	F015E22B012	228	F015E32B000
226	F015D22D033	226	F015D32D012	226	F015D42D000	228	F015E22B018	228	F015E32B001
229	F015D23A000	226	F015D32D018	226	F015D42D001	228	F015E22B030	228	F015E32B006
229	F015D23A001	226	F015D32D030	226	F015D42D006	228	F015E22B033	228	F015E32B012
229	F015D23A006	226	F015D32D033	226	F015D42D012	228	F015E22D000	228	F015E32B018
229	F015D23A012	229	F015D33A000	226	F015D42D018	228	F015E22D001	228	F015E32B030
229	F015D23A018	229	F015D33A001	226	F015D42D030	228	F015E22D006	228	F015E32B033
229	F015D23A030	229	F015D33A006	226	F015D42D033	228	F015E22D012	228	F015E32D000
229	F015D23A033	229	F015D33A012	229	F015D43A000	228	F015E22D018	228	F015E32D001
229	F015D23B000	229	F015D33A018	229	F015D43A001	228	F015E22D030	228	F015E32D006
229	F015D23B001	229	F015D33A030	229	F015D43A006	228	F015E22D033	228	F015E32D012
229	F015D23B006	229	F015D33A033	229	F015D43A012	230	F015E23A000	228	F015E32D018
229	F015D23B012	229	F015D33B000	229	F015D43A018	230	F015E23A001	228	F015E32D030
229	F015D23B018	229	F015D33B001	229	F015D43A030	230	F015E23A006	228	F015E32D033
229	F015D23B030	229	F015D33B006	229	F015D43A033	230	F015E23A012	230	F015E33A000
229	F015D23B033	229	F015D33B012	229	F015D43B000	230	F015E23A018	230	F015E33A001
229	F015D23D000	229	F015D33B018	229	F015D43B001	230	F015E23A030	230	F015E33A006
229	F015D23D001	229	F015D33B030	229	F015D43B006	230	F015E23A033	230	F015E33A012
229	F015D23D006	229	F015D33B033	229	F015D43B012	230	F015E23B000	230	F015E33A018
229	F015D23D012	229	F015D33D000	229	F015D43B018	230	F015E23B001	230	F015E33A030
229	F015D23D018	229	F015D33D001	229	F015D43B030	230	F015E23B006	230	F015E33A033
229	F015D23D030	229	F015D33D006	229	F015D43B033	230	F015E23B012	230	F015E33B000
229	F015D23D033	229	F015D33D012	229	F015D43D000	230	F015E23B018	230	F015E33B001
225	F015D31A000	229	F015D33D018	229	F015D43D001	230	F015E23B030	230	F015E33B006
225	F015D31A001	229	F015D33D030	229	F015D43D006	230	F015E23B033	230	F015E33B012
225	F015D31A006	229	F015D33D033	229	F015D43D012	230	F015E23D000	230	F015E33B018
225	F015D31A012	225	F015D41A000	229	F015D43D018	230	F015E23D001	230	F015E33B030
225	F015D31A018	225	F015D41A001	229	F015D43D030	230	F015E23D006	230	F015E33B033
225	F015D31A030	225	F015D41A006	229	F015D43D033	230	F015E23D012	230	F015E33D000
225	F015D31A033	225	F015D41A012	227	F015E21A000	230	F015E23D018	230	F015E33D001
225	F015D31B000	225	F015D41A018	227	F015E21A001	230	F015E23D030	230	F015E33D006
225	F015D31B001	225	F015D41A030	227	F015E21A006	230	F015E23D033	230	F015E33D012
225	F015D31B006	225	F015D41A033	227	F015E21A012	227	F015E31A000	230	F015E33D018
225	F015D31B012	225	F015D41B000	227	F015E21A018	227	F015E31A001	230	F015E33D030
225	F015D31B018	225	F015D41B001	227	F015E21A030	227	F015E31A006	230	F015E33D033
225	F015D31B030	225	F015D41B006	227	F015E21A033	227	F015E31A012	227	F015E41A000
225	F015D31B033	225	F015D41B012	227	F015E21B000	227	F015E31A018	227	F015E41A001
225	F015D31D000	225	F015D41B018	227	F015E21B001	227	F015E31A030	227	F015E41A006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
227	F015E41A012	231	F015F24A000	231	F015F44D018	215	F015H32A018	216	F015J31B018
227	F015E41A018	231	F015F24A001	231	F015F44D030	215	F015H32A030	216	F015J31B030
227	F015E41A030	231	F015F24A006	231	F015F44D033	215	F015H32A033	216	F015J31B033
227	F015E41A033	231	F015F24A012	214	F015G21A001	215	F015H41A001	216	F015J31D001
227	F015E41B000	231	F015F24A018	214	F015G21A006	215	F015H41A006	216	F015J31D006
227	F015E41B001	231	F015F24A030	214	F015G21A012	215	F015H41A012	216	F015J31D012
227	F015E41B006	231	F015F24A033	214	F015G21A018	215	F015H41A018	216	F015J31D018
227	F015E41B012	231	F015F24B000	214	F015G21A030	215	F015H41A030	216	F015J31D030
227	F015E41B018	231	F015F24B001	214	F015G21A033	215	F015H41A033	216	F015J31D033
227	F015E41B030	231	F015F24B006	214	F015G22A001	215	F015H42A001	217	F015J32A001
227	F015E41B033	231	F015F24B012	214	F015G22A006	215	F015H42A006	217	F015J32A006
227	F015E41D000	231	F015F24B018	214	F015G22A012	215	F015H42A012	217	F015J32A012
227	F015E41D001	231	F015F24B030	214	F015G22A018	215	F015H42A018	217	F015J32A018
227	F015E41D006	231	F015F24B033	214	F015G22A030	215	F015H42A030	217	F015J32A030
227	F015E41D012	231	F015F24D000	214	F015G22A033	215	F015H42A033	217	F015J32A033
227	F015E41D018	231	F015F24D001	214	F015G31A001	216	F015J21A001	217	F015J32B001
227	F015E41D030	231	F015F24D006	214	F015G31A006	216	F015J21A006	217	F015J32B006
227	F015E41D033	231	F015F24D012	214	F015G31A012	216	F015J21A012	217	F015J32B012
228	F015E42A000	231	F015F24D018	214	F015G31A018	216	F015J21A018	217	F015J32B018
228	F015E42A001	231	F015F24D030	214	F015G31A030	216	F015J21A030	217	F015J32B030
228	F015E42A006	231	F015F24D033	214	F015G31A033	216	F015J21A033	217	F015J32B033
228	F015E42A012	231	F015F34A000	214	F015G32A001	216	F015J21B001	217	F015J32D001
228	F015E42A018	231	F015F34A001	214	F015G32A006	216	F015J21B006	217	F015J32D006
228	F015E42A030	231	F015F34A006	214	F015G32A012	216	F015J21B012	217	F015J32D012
228	F015E42A033	231	F015F34A012	214	F015G32A018	216	F015J21B018	217	F015J32D018
228	F015E42B000	231	F015F34A018	214	F015G32A030	216	F015J21B030	217	F015J32D030
228	F015E42B001	231	F015F34A030	214	F015G32A033	216	F015J21B033	217	F015J32D033
228	F015E42B006	231	F015F34A033	214	F015G41A001	216	F015J21D001	216	F015J41A001
228	F015E42B012	231	F015F34B000	214	F015G41A006	216	F015J21D006	216	F015J41A006
228	F015E42B018	231	F015F34B001	214	F015G41A012	216	F015J21D012	216	F015J41A012
228	F015E42B030	231	F015F34B006	214	F015G41A018	216	F015J21D018	216	F015J41A018
228	F015E42B033	231	F015F34B012	214	F015G41A030	216	F015J21D030	216	F015J41A030
228	F015E42D000	231	F015F34B018	214	F015G41A033	216	F015J21D033	216	F015J41A033
228	F015E42D001	231	F015F34B030	214	F015G42A001	217	F015J22A001	216	F015J41B001
228	F015E42D006	231	F015F34B033	214	F015G42A006	217	F015J22A006	216	F015J41B006
228	F015E42D012	231	F015F34D000	214	F015G42A012	217	F015J22A012	216	F015J41B012
228	F015E42D018	231	F015F34D001	214	F015G42A018	217	F015J22A018	216	F015J41B018
228	F015E42D030	231	F015F34D006	214	F015G42A030	217	F015J22A030	216	F015J41B030
228	F015E42D033	231	F015F34D012	214	F015G42A033	217	F015J22A033	216	F015J41B033
230	F015E43A000	231	F015F34D018	215	F015H21A001	217	F015J22B001	216	F015J41D001
230	F015E43A001	231	F015F34D030	215	F015H21A006	217	F015J22B006	216	F015J41D006
230	F015E43A006	231	F015F34D033	215	F015H21A012	217	F015J22B012	216	F015J41D012
230	F015E43A012	231	F015F44A000	215	F015H21A018	217	F015J22B018	216	F015J41D018
230	F015E43A018	231	F015F44A001	215	F015H21A030	217	F015J22B030	216	F015J41D030
230	F015E43A030	231	F015F44A006	215	F015H21A033	217	F015J22B033	216	F015J41D033
230	F015E43A033	231	F015F44A012	215	F015H22A001	217	F015J22D001	217	F015J42A001
230	F015E43B000	231	F015F44A018	215	F015H22A006	217	F015J22D006	217	F015J42A006
230	F015E43B001	231	F015F44A030	215	F015H22A012	217	F015J22D012	217	F015J42A012
230	F015E43B006	231	F015F44A033	215	F015H22A018	217	F015J22D018	217	F015J42A018
230	F015E43B012	231	F015F44B000	215	F015H22A030	217	F015J22D030	217	F015J42A030
230	F015E43B018	231	F015F44B001	215	F015H22A033	217	F015J22D033	217	F015J42A033
230	F015E43B030	231	F015F44B006	215	F015H31A001	216	F015J31A001	217	F015J42B001
230	F015E43B033	231	F015F44B012	215	F015H31A006	216	F015J31A006	217	F015J42B006
230	F015E43D000	231	F015F44B018	215	F015H31A012	216	F015J31A012	217	F015J42B012
230	F015E43D001	231	F015F44B030	215	F015H31A018	216	F015J31A018	217	F015J42B018
230	F015E43D006	231	F015F44B033	215	F015H31A030	216	F015J31A030	217	F015J42B030
230	F015E43D012	231	F015F44D000	215	F015H31A033	216	F015J31A033	217	F015J42B033
230	F015E43D018	231	F015F44D001	215	F015H32A001	216	F015J31B001	217	F015J42D001
230	F015E43D030	231	F015F44D006	215	F015H32A006	216	F015J31B006	217	F015J42D006
230	F015E43D033	231	F015F44D012	215	F015H32A012	216	F015J31B012	217	F015J42D012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
217	F015J42D018	219	F015K32A018	220	F015L30A006	221	F015M40A033	272	F016A23B006
217	F015J42D030	219	F015K32A030	220	F015L30A012	221	F015M40B000	272	F016A23B012
217	F015J42D033	219	F015K32A033	220	F015L30A018	221	F015M40B001	272	F016A23B018
218	F015K21A001	219	F015K32B001	220	F015L30A030	221	F015M40B006	272	F016A23B030
218	F015K21A006	219	F015K32B006	220	F015L30A033	221	F015M40B012	272	F016A23B033
218	F015K21A012	219	F015K32B012	220	F015L40A000	221	F015M40B018	272	F016A23D001
218	F015K21A018	219	F015K32B018	220	F015L40A001	221	F015M40B030	272	F016A23D006
218	F015K21A030	219	F015K32B030	220	F015L40A006	221	F015M40B033	272	F016A23D012
218	F015K21A033	219	F015K32B033	220	F015L40A012	221	F015M40D000	272	F016A23D018
218	F015K21B001	219	F015K32D001	220	F015L40A018	221	F015M40D001	272	F016A23D030
218	F015K21B006	219	F015K32D006	220	F015L40A030	221	F015M40D006	272	F016A23D033
218	F015K21B012	219	F015K32D012	220	F015L40A033	221	F015M40D012	268	F016A31A001
218	F015K21B018	219	F015K32D018	221	F015M20A000	221	F015M40D018	268	F016A31A006
218	F015K21B030	219	F015K32D030	221	F015M20A001	221	F015M40D030	268	F016A31A012
218	F015K21B033	219	F015K32D033	221	F015M20A006	221	F015M40D033	268	F016A31A018
218	F015K21D001	218	F015K41A001	221	F015M20A012	219	F015Z000000	268	F016A31A030
218	F015K21D006	218	F015K41A006	221	F015M20A018	219	F015Z010000	268	F016A31A033
218	F015K21D012	218	F015K41A012	221	F015M20A030	268	F016A21A001	268	F016A31B001
218	F015K21D018	218	F015K41A018	221	F015M20A033	268	F016A21A006	268	F016A31B006
218	F015K21D030	218	F015K41A030	221	F015M20B000	268	F016A21A012	268	F016A31B012
218	F015K21D033	218	F015K41A033	221	F015M20B001	268	F016A21A018	268	F016A31B018
219	F015K22A001	218	F015K41B001	221	F015M20B006	268	F016A21A030	268	F016A31B030
219	F015K22A006	218	F015K41B006	221	F015M20B012	268	F016A21A033	268	F016A31B033
219	F015K22A012	218	F015K41B012	221	F015M20B018	268	F016A21B001	268	F016A31D001
219	F015K22A018	218	F015K41B018	221	F015M20B030	268	F016A21B006	268	F016A31D006
219	F015K22A030	218	F015K41B030	221	F015M20B033	268	F016A21B012	268	F016A31D012
219	F015K22A033	218	F015K41B033	221	F015M20D000	268	F016A21B018	268	F016A31D018
219	F015K22B001	218	F015K41D001	221	F015M20D001	268	F016A21B030	268	F016A31D030
219	F015K22B006	218	F015K41D006	221	F015M20D006	268	F016A21B033	268	F016A31D033
219	F015K22B012	218	F015K41D012	221	F015M20D012	268	F016A21D001	270	F016A32A001
219	F015K22B018	218	F015K41D018	221	F015M20D018	268	F016A21D006	270	F016A32A006
219	F015K22B030	218	F015K41D030	221	F015M20D030	268	F016A21D012	270	F016A32A012
219	F015K22B033	218	F015K41D033	221	F015M20D033	268	F016A21D018	270	F016A32A018
219	F015K22D001	219	F015K42A001	221	F015M30A000	268	F016A21D030	270	F016A32A030
219	F015K22D006	219	F015K42A006	221	F015M30A001	268	F016A21D033	270	F016A32A033
219	F015K22D012	219	F015K42A012	221	F015M30A006	270	F016A22A001	270	F016A32B001
219	F015K22D018	219	F015K42A018	221	F015M30A012	270	F016A22A006	270	F016A32B006
219	F015K22D030	219	F015K42A030	221	F015M30A018	270	F016A22A012	270	F016A32B012
219	F015K22D033	219	F015K42A033	221	F015M30A030	270	F016A22A018	270	F016A32B018
218	F015K31A001	219	F015K42B001	221	F015M30A033	270	F016A22A030	270	F016A32B030
218	F015K31A006	219	F015K42B006	221	F015M30B000	270	F016A22A033	270	F016A32B033
218	F015K31A012	219	F015K42B012	221	F015M30B001	270	F016A22B001	270	F016A32D001
218	F015K31A018	219	F015K42B018	221	F015M30B006	270	F016A22B006	270	F016A32D006
218	F015K31A030	219	F015K42B030	221	F015M30B012	270	F016A22B012	270	F016A32D012
218	F015K31A033	219	F015K42B033	221	F015M30B018	270	F016A22B018	270	F016A32D018
218	F015K31B001	219	F015K42D001	221	F015M30B030	270	F016A22B030	270	F016A32D030
218	F015K31B006	219	F015K42D006	221	F015M30B033	270	F016A22B033	270	F016A32D033
218	F015K31B012	219	F015K42D012	221	F015M30D000	270	F016A22D001	272	F016A33A001
218	F015K31B018	219	F015K42D018	221	F015M30D001	270	F016A22D006	272	F016A33A006
218	F015K31B030	219	F015K42D030	221	F015M30D006	270	F016A22D012	272	F016A33A012
218	F015K31B033	219	F015K42D033	221	F015M30D012	270	F016A22D018	272	F016A33A018
218	F015K31D001	220	F015L20A000	221	F015M30D018	270	F016A22D030	272	F016A33A030
218	F015K31D006	220	F015L20A001	221	F015M30D030	270	F016A22D033	272	F016A33A033
218	F015K31D012	220	F015L20A006	221	F015M30D033	272	F016A23A001	272	F016A33B001
218	F015K31D018	220	F015L20A012	221	F015M40A000	272	F016A23A006	272	F016A33B006
218	F015K31D030	220	F015L20A018	221	F015M40A001	272	F016A23A012	272	F016A33B012
218	F015K31D033	220	F015L20A030	221	F015M40A006	272	F016A23A018	272	F016A33B018
219	F015K32A001	220	F015L20A033	221	F015M40A012	272	F016A23A030	272	F016A33B030
219	F015K32A006	220	F015L30A000	221	F015M40A018	272	F016A23A033	272	F016A33B033
219	F015K32A012	220	F015L30A001	221	F015M40A030	272	F016A23B001	272	F016A33D001

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
272	F016A33D006	269	F016B21A006	269	F016B31B006	269	F016B41D006	267	F016M24K006.A
272	F016A33D012	269	F016B21A012	269	F016B31B012	269	F016B41D012	267	F016M24K012.A
272	F016A33D018	269	F016B21A018	269	F016B31B018	269	F016B41D018	267	F016M24K018.A
272	F016A33D030	269	F016B21A030	269	F016B31B030	269	F016B41D030	267	F016M24K030.A
272	F016A33D033	269	F016B21A033	269	F016B31B033	269	F016B41D033	267	F016M24K033.A
268	F016A41A001	269	F016B21B001	269	F016B31D001	271	F016B42A001	267	F016M25K001.A
268	F016A41A006	269	F016B21B006	269	F016B31D006	271	F016B42A006	267	F016M25K006.A
268	F016A41A012	269	F016B21B012	269	F016B31D012	271	F016B42A012	267	F016M25K012.A
268	F016A41A018	269	F016B21B018	269	F016B31D018	271	F016B42A018	267	F016M25K018.A
268	F016A41A030	269	F016B21B030	269	F016B31D030	271	F016B42A030	267	F016M25K030.A
268	F016A41A033	269	F016B21B033	269	F016B31D033	271	F016B42A033	267	F016M25K033.A
268	F016A41B001	269	F016B21D001	271	F016B32A001	271	F016B42B001	264	F016M31K001.A
268	F016A41B006	269	F016B21D006	271	F016B32A006	271	F016B42B006	264	F016M31K006.A
268	F016A41B012	269	F016B21D012	271	F016B32A012	271	F016B42B012	264	F016M31K012.A
268	F016A41B018	269	F016B21D018	271	F016B32A018	271	F016B42B018	264	F016M31K018.A
268	F016A41B030	269	F016B21D030	271	F016B32A030	271	F016B42B030	264	F016M31K030.A
268	F016A41B033	269	F016B21D033	271	F016B32A033	271	F016B42B033	264	F016M31K033.A
268	F016A41D001	271	F016B22A001	271	F016B32B001	271	F016B42D001	265	F016M32K001.A
268	F016A41D006	271	F016B22A006	271	F016B32B006	271	F016B42D006	265	F016M32K006.A
268	F016A41D012	271	F016B22A012	271	F016B32B012	271	F016B42D012	265	F016M32K012.A
268	F016A41D018	271	F016B22A018	271	F016B32B018	271	F016B42D018	265	F016M32K018.A
268	F016A41D030	271	F016B22A030	271	F016B32B030	271	F016B42D030	265	F016M32K030.A
268	F016A41D033	271	F016B22A033	271	F016B32B033	271	F016B42D033	265	F016M32K033.A
270	F016A42A001	271	F016B22B001	271	F016B32D001	273	F016B43A001	266	F016M33K001.A
270	F016A42A006	271	F016B22B006	271	F016B32D006	273	F016B43A006	266	F016M33K006.A
270	F016A42A012	271	F016B22B012	271	F016B32D012	273	F016B43A012	266	F016M33K012.A
270	F016A42A018	271	F016B22B018	271	F016B32D018	273	F016B43A018	266	F016M33K018.A
270	F016A42A030	271	F016B22B030	271	F016B32D030	273	F016B43A030	266	F016M33K030.A
270	F016A42A033	271	F016B22B033	271	F016B32D033	273	F016B43A033	266	F016M33K033.A
270	F016A42B001	271	F016B22D001	273	F016B33A001	273	F016B43B001	267	F016M34K001.A
270	F016A42B006	271	F016B22D006	273	F016B33A006	273	F016B43B006	267	F016M34K006.A
270	F016A42B012	271	F016B22D012	273	F016B33A012	273	F016B43B012	267	F016M34K012.A
270	F016A42B018	271	F016B22D018	273	F016B33A018	273	F016B43B018	267	F016M34K018.A
270	F016A42B030	271	F016B22D030	273	F016B33A030	273	F016B43B030	267	F016M34K030.A
270	F016A42B033	271	F016B22D033	273	F016B33A033	273	F016B43B033	267	F016M34K033.A
270	F016A42D001	273	F016B23A001	273	F016B33B001	273	F016B43D001	267	F016M35K001.A
270	F016A42D006	273	F016B23A006	273	F016B33B006	273	F016B43D006	267	F016M35K006.A
270	F016A42D012	273	F016B23A012	273	F016B33B012	273	F016B43D012	267	F016M35K012.A
270	F016A42D018	273	F016B23A018	273	F016B33B018	273	F016B43D018	267	F016M35K018.A
270	F016A42D030	273	F016B23A030	273	F016B33B030	273	F016B43D030	267	F016M35K030.A
270	F016A42D033	273	F016B23A033	273	F016B33B033	273	F016B43D033	267	F016M35K033.A
272	F016A43A001	273	F016B23B001	273	F016B33D001	264	F016M21K001.A	264	F016M41K001.A
272	F016A43A006	273	F016B23B006	273	F016B33D006	264	F016M21K006.A	264	F016M41K006.A
272	F016A43A012	273	F016B23B012	273	F016B33D012	264	F016M21K012.A	264	F016M41K012.A
272	F016A43A018	273	F016B23B018	273	F016B33D018	264	F016M21K018.A	264	F016M41K018.A
272	F016A43A030	273	F016B23B030	273	F016B33D030	264	F016M21K030.A	264	F016M41K030.A
272	F016A43A033	273	F016B23B033	273	F016B33D033	264	F016M21K033.A	264	F016M41K033.A
272	F016A43B001	273	F016B23D001	269	F016B41A001	265	F016M22K001.A	265	F016M42K001.A
272	F016A43B006	273	F016B23D006	269	F016B41A006	265	F016M22K006.A	265	F016M42K006.A
272	F016A43B012	273	F016B23D012	269	F016B41A012	265	F016M22K012.A	265	F016M42K012.A
272	F016A43B018	273	F016B23D018	269	F016B41A018	265	F016M22K018.A	265	F016M42K018.A
272	F016A43B030	273	F016B23D030	269	F016B41A030	265	F016M22K030.A	265	F016M42K030.A
272	F016A43B033	273	F016B23D033	269	F016B41A033	265	F016M22K033.A	265	F016M42K033.A
272	F016A43D001	269	F016B31A001	269	F016B41B001	266	F016M23K001.A	266	F016M43K001.A
272	F016A43D006	269	F016B31A006	269	F016B41B006	266	F016M23K006.A	266	F016M43K006.A
272	F016A43D012	269	F016B31A012	269	F016B41B012	266	F016M23K012.A	266	F016M43K012.A
272	F016A43D018	269	F016B31A018	269	F016B41B018	266	F016M23K018.A	266	F016M43K018.A
272	F016A43D030	269	F016B31A030	269	F016B41B030	266	F016M23K030.A	266	F016M43K030.A
272	F016A43D033	269	F016B31A033	269	F016B41B033	266	F016M23K033.A	266	F016M43K033.A
269	F016B21A001	269	F016B31B001	269	F016B41D001	267	F016M24K001.A	267	F016M44K001.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
267	F016M44K006.A	266	F016N43K006.A	554	F017A1RA006	553	F017A2LA006	553	F017A3JA006
267	F016M44K012.A	266	F016N43K012.A	554	F017A1RA033	553	F017A2LA033	553	F017A3JA033
267	F016M44K018.A	266	F016N43K018.A	554	F017A1RB006	553	F017A2LB006	553	F017A3JB006
267	F016M44K030.A	266	F016N43K030.A	554	F017A1RB033	553	F017A2LB033	553	F017A3JB033
267	F016M44K033.A	266	F016N43K033.A	554	F017A1RD006	553	F017A2LD006	553	F017A3JD006
267	F016M45K001.A	273	F016Z000000	554	F017A1RD033	553	F017A2LD033	553	F017A3JD033
267	F016M45K006.A	552	F017A1AA006	554	F017A1SA006	554	F017A2QA006	553	F017A3KA006
267	F016M45K012.A	552	F017A1AA033	554	F017A1SA033	554	F017A2QA033	553	F017A3KA033
267	F016M45K018.A	552	F017A1AB006	554	F017A1SB006	554	F017A2QB006	553	F017A3KB006
267	F016M45K030.A	552	F017A1AB033	554	F017A1SB033	554	F017A2QB033	553	F017A3KB033
267	F016M45K033.A	552	F017A1AD006	554	F017A1SD006	554	F017A2QD006	553	F017A3KD006
264	F016N21K001.A	552	F017A1AD033	554	F017A1SD033	554	F017A2QD033	553	F017A3KD033
264	F016N21K006.A	552	F017A1BA006	554	F017A1TA006	554	F017A2RA006	553	F017A3LA006
264	F016N21K012.A	552	F017A1BA033	554	F017A1TA033	554	F017A2RA033	553	F017A3LA033
264	F016N21K018.A	552	F017A1BB006	554	F017A1TB006	554	F017A2RB006	553	F017A3LB006
264	F016N21K030.A	552	F017A1BB033	554	F017A1TB033	554	F017A2RB033	553	F017A3LB033
264	F016N21K033.A	552	F017A1BD006	554	F017A1TD006	554	F017A2RD006	553	F017A3LD006
265	F016N22K001.A	552	F017A1BD033	554	F017A1TD033	554	F017A2RD033	553	F017A3LD033
265	F016N22K006.A	552	F017A1CA006	552	F017A2AA006	554	F017A2SA006	554	F017A3QA006
265	F016N22K012.A	552	F017A1CA033	552	F017A2AA033	554	F017A2SA033	554	F017A3QA033
265	F016N22K018.A	552	F017A1CB006	552	F017A2AB006	554	F017A2SB006	554	F017A3QB006
265	F016N22K030.A	552	F017A1CB033	552	F017A2AB033	554	F017A2SB033	554	F017A3QB033
265	F016N22K033.A	552	F017A1CD006	552	F017A2AD006	554	F017A2SD006	554	F017A3QD006
266	F016N23K001.A	552	F017A1CD033	552	F017A2AD033	554	F017A2SD033	554	F017A3QD033
266	F016N23K006.A	552	F017A1DA006	552	F017A2BA006	554	F017A2TA006	554	F017A3RA006
266	F016N23K012.A	552	F017A1DA033	552	F017A2BA033	554	F017A2TA033	554	F017A3RA033
266	F016N23K018.A	552	F017A1DB006	552	F017A2BB006	554	F017A2TB006	554	F017A3RB006
266	F016N23K030.A	552	F017A1DB033	552	F017A2BB033	554	F017A2TB033	554	F017A3RB033
266	F016N23K033.A	552	F017A1DD006	552	F017A2BD006	554	F017A2TD006	554	F017A3RD006
264	F016N31K001.A	552	F017A1DD033	552	F017A2BD033	554	F017A2TD033	554	F017A3RD033
264	F016N31K006.A	553	F017A1HA006	552	F017A2CA006	552	F017A3AA006	554	F017A3SA006
264	F016N31K012.A	553	F017A1HA033	552	F017A2CA033	552	F017A3AA033	554	F017A3SA033
264	F016N31K018.A	553	F017A1HB006	552	F017A2CB006	552	F017A3AB006	554	F017A3SB006
264	F016N31K030.A	553	F017A1HB033	552	F017A2CB033	552	F017A3AB033	554	F017A3SB033
264	F016N31K033.A	553	F017A1HD006	552	F017A2CD006	552	F017A3AD006	554	F017A3SD006
265	F016N32K001.A	553	F017A1HD033	552	F017A2CD033	552	F017A3AD033	554	F017A3SD033
265	F016N32K006.A	553	F017A1JA006	552	F017A2DA006	552	F017A3BA006	554	F017A3TA006
265	F016N32K012.A	553	F017A1JA033	552	F017A2DA033	552	F017A3BA033	554	F017A3TA033
265	F016N32K018.A	553	F017A1JB006	552	F017A2DB006	552	F017A3BB006	554	F017A3TB006
265	F016N32K030.A	553	F017A1JB033	552	F017A2DB033	552	F017A3BB033	554	F017A3TB033
265	F016N32K033.A	553	F017A1JD006	552	F017A2DD006	552	F017A3BD006	554	F017A3TD006
266	F016N33K001.A	553	F017A1JD033	552	F017A2DD033	552	F017A3BD033	554	F017A3TD033
266	F016N33K006.A	553	F017A1KA006	553	F017A2HA006	552	F017A3CA006	552	F017A4AA006
266	F016N33K012.A	553	F017A1KA033	553	F017A2HA033	552	F017A3CA033	552	F017A4AA033
266	F016N33K018.A	553	F017A1KB006	553	F017A2HB006	552	F017A3CB006	552	F017A4AB006
266	F016N33K030.A	553	F017A1KB033	553	F017A2HB033	552	F017A3CB033	552	F017A4AB033
266	F016N33K033.A	553	F017A1KD006	553	F017A2HD006	552	F017A3CD006	552	F017A4AD006
264	F016N41K001.A	553	F017A1KD033	553	F017A2HD033	552	F017A3CD033	552	F017A4AD033
264	F016N41K006.A	553	F017A1LA006	553	F017A2JA006	552	F017A3DA006	552	F017A4BA006
264	F016N41K012.A	553	F017A1LA033	553	F017A2JA033	552	F017A3DA033	552	F017A4BA033
264	F016N41K018.A	553	F017A1LB006	553	F017A2JB006	552	F017A3DB006	552	F017A4BB006
264	F016N41K030.A	553	F017A1LB033	553	F017A2JB033	552	F017A3DB033	552	F017A4BB033
264	F016N41K033.A	553	F017A1LD006	553	F017A2JD006	552	F017A3DD006	552	F017A4BD006
265	F016N42K001.A	553	F017A1LD033	553	F017A2JD033	552	F017A3DD033	552	F017A4BD033
265	F016N42K006.A	554	F017A1QA006	553	F017A2KA006	553	F017A3HA006	552	F017A4CA006
265	F016N42K012.A	554	F017A1QA033	553	F017A2KA033	553	F017A3HA033	552	F017A4CA033
265	F016N42K018.A	554	F017A1QB006	553	F017A2KB006	553	F017A3HB006	552	F017A4CB006
265	F016N42K030.A	554	F017A1QB033	553	F017A2KB033	553	F017A3HB033	552	F017A4CB033
265	F016N42K033.A	554	F017A1QD006	553	F017A2KD006	553	F017A3HD006	552	F017A4CD006
266	F016N43K001.A	554	F017A1QD033	553	F017A2KD033	553	F017A3HD033	552	F017A4CD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
552	F017A4DA006	555	F017B1BA006	557	F017B1TA006	557	F017B2RA006	556	F017B3LA006
552	F017A4DA033	555	F017B1BA033	557	F017B1TA033	557	F017B2RA033	556	F017B3LA033
552	F017A4DB006	555	F017B1BB006	557	F017B1TB006	557	F017B2RB006	556	F017B3LB006
552	F017A4DB033	555	F017B1BB033	557	F017B1TB033	557	F017B2RB033	556	F017B3LB033
552	F017A4DD006	555	F017B1BD006	557	F017B1TD006	557	F017B2RD006	556	F017B3LD006
552	F017A4DD033	555	F017B1BD033	557	F017B1TD033	557	F017B2RD033	556	F017B3LD033
553	F017A4HA006	555	F017B1CA006	555	F017B2AA006	557	F017B2SA006	557	F017B3QA006
553	F017A4HA033	555	F017B1CA033	555	F017B2AA033	557	F017B2SA033	557	F017B3QA033
553	F017A4HB006	555	F017B1CB006	555	F017B2AB006	557	F017B2SB006	557	F017B3QB006
553	F017A4HB033	555	F017B1CB033	555	F017B2AB033	557	F017B2SB033	557	F017B3QB033
553	F017A4HD006	555	F017B1CD006	555	F017B2AD006	557	F017B2SD006	557	F017B3QD006
553	F017A4HD033	555	F017B1CD033	555	F017B2AD033	557	F017B2SD033	557	F017B3QD033
553	F017A4JA006	555	F017B1DA006	555	F017B2BA006	557	F017B2TA006	557	F017B3RA006
553	F017A4JA033	555	F017B1DA033	555	F017B2BA033	557	F017B2TA033	557	F017B3RA033
553	F017A4JB006	555	F017B1DB006	555	F017B2BB006	557	F017B2TB006	557	F017B3RB006
553	F017A4JB033	555	F017B1DB033	555	F017B2BB033	557	F017B2TB033	557	F017B3RB033
553	F017A4JD006	555	F017B1DD006	555	F017B2BD006	557	F017B2TD006	557	F017B3RD006
553	F017A4JD033	555	F017B1DD033	555	F017B2BD033	557	F017B2TD033	557	F017B3RD033
553	F017A4KA006	556	F017B1HA006	555	F017B2CA006	555	F017B3AA006	557	F017B3SA006
553	F017A4KA033	556	F017B1HA033	555	F017B2CA033	555	F017B3AA033	557	F017B3SA033
553	F017A4KB006	556	F017B1HB006	555	F017B2CB006	555	F017B3AB006	557	F017B3SB006
553	F017A4KB033	556	F017B1HB033	555	F017B2CB033	555	F017B3AB033	557	F017B3SB033
553	F017A4KD006	556	F017B1HD006	555	F017B2CD006	555	F017B3AD006	557	F017B3SD006
553	F017A4KD033	556	F017B1HD033	555	F017B2CD033	555	F017B3AD033	557	F017B3SD033
553	F017A4LA006	556	F017B1JA006	555	F017B2DA006	555	F017B3BA006	557	F017B3TA006
553	F017A4LA033	556	F017B1JA033	555	F017B2DA033	555	F017B3BA033	557	F017B3TA033
553	F017A4LB006	556	F017B1JB006	555	F017B2DB006	555	F017B3BB006	557	F017B3TB006
553	F017A4LB033	556	F017B1JB033	555	F017B2DB033	555	F017B3BB033	557	F017B3TB033
553	F017A4LD006	556	F017B1JD006	555	F017B2DD006	555	F017B3BD006	557	F017B3TD006
553	F017A4LD033	556	F017B1JD033	555	F017B2DD033	555	F017B3BD033	557	F017B3TD033
554	F017A4QA006	556	F017B1KA006	556	F017B2HA006	555	F017B3CA006	555	F017B4AA006
554	F017A4QA033	556	F017B1KA033	556	F017B2HA033	555	F017B3CA033	555	F017B4AA033
554	F017A4QB006	556	F017B1KB006	556	F017B2HB006	555	F017B3CB006	555	F017B4AB006
554	F017A4QB033	556	F017B1KB033	556	F017B2HB033	555	F017B3CB033	555	F017B4AB033
554	F017A4QD006	556	F017B1KD006	556	F017B2HD006	555	F017B3CD006	555	F017B4AD006
554	F017A4QD033	556	F017B1KD033	556	F017B2HD033	555	F017B3CD033	555	F017B4AD033
554	F017A4RA006	556	F017B1LA006	556	F017B2JA006	555	F017B3DA006	555	F017B4BA006
554	F017A4RA033	556	F017B1LA033	556	F017B2JA033	555	F017B3DA033	555	F017B4BA033
554	F017A4RB006	556	F017B1LB006	556	F017B2JB006	555	F017B3DB006	555	F017B4BB006
554	F017A4RB033	556	F017B1LB033	556	F017B2JB033	555	F017B3DB033	555	F017B4BB033
554	F017A4RD006	556	F017B1LD006	556	F017B2JD006	555	F017B3DD006	555	F017B4BD006
554	F017A4RD033	556	F017B1LD033	556	F017B2JD033	555	F017B3DD033	555	F017B4BD033
554	F017A4SA006	557	F017B1QA006	556	F017B2KA006	556	F017B3HA006	555	F017B4CA006
554	F017A4SA033	557	F017B1QA033	556	F017B2KA033	556	F017B3HA033	555	F017B4CA033
554	F017A4SB006	557	F017B1QB006	556	F017B2KB006	556	F017B3HB006	555	F017B4CB006
554	F017A4SB033	557	F017B1QB033	556	F017B2KB033	556	F017B3HB033	555	F017B4CB033
554	F017A4SD006	557	F017B1QD006	556	F017B2KD006	556	F017B3HD006	555	F017B4CD006
554	F017A4SD033	557	F017B1QD033	556	F017B2KD033	556	F017B3HD033	555	F017B4CD033
554	F017A4TA006	557	F017B1RA006	556	F017B2LA006	556	F017B3JA006	555	F017B4DA006
554	F017A4TA033	557	F017B1RA033	556	F017B2LA033	556	F017B3JA033	555	F017B4DA033
554	F017A4TB006	557	F017B1RB006	556	F017B2LB006	556	F017B3JB006	555	F017B4DB006
554	F017A4TB033	557	F017B1RB033	556	F017B2LB033	556	F017B3JB033	555	F017B4DB033
554	F017A4TD006	557	F017B1RD006	556	F017B2LD006	556	F017B3JD006	555	F017B4DD006
554	F017A4TD033	557	F017B1RD033	556	F017B2LD033	556	F017B3JD033	555	F017B4DD033
555	F017B1AA006	557	F017B1SA006	557	F017B2QA006	556	F017B3KA006	556	F017B4HA006
555	F017B1AA033	557	F017B1SA033	557	F017B2QA033	556	F017B3KA033	556	F017B4HA033
555	F017B1AB006	557	F017B1SB006	557	F017B2QB006	556	F017B3KB006	556	F017B4HB006
555	F017B1AB033	557	F017B1SB033	557	F017B2QB033	556	F017B3KB033	556	F017B4HB033
555	F017B1AD006	557	F017B1SD006	557	F017B2QD006	556	F017B3KD006	556	F017B4HD006
555	F017B1AD033	557	F017B1SD033	557	F017B2QD033	556	F017B3KD033	556	F017B4HD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
556	F017B4JA006	558	F017C1DA006	558	F017C2BA006	560	F017C2TA006	560	F017C3RA006
556	F017B4JA033	558	F017C1DA033	558	F017C2BA033	560	F017C2TA033	560	F017C3RA033
556	F017B4JB006	558	F017C1DB006	558	F017C2BB006	560	F017C2TB006	560	F017C3RB006
556	F017B4JB033	558	F017C1DB033	558	F017C2BB033	560	F017C2TB033	560	F017C3RB033
556	F017B4JD006	558	F017C1DD006	558	F017C2BD006	560	F017C2TD006	560	F017C3RD006
556	F017B4JD033	558	F017C1DD033	558	F017C2BD033	560	F017C2TD033	560	F017C3RD033
556	F017B4KA006	559	F017C1HA006	558	F017C2CA006	558	F017C3AA006	560	F017C3SA006
556	F017B4KA033	559	F017C1HA033	558	F017C2CA033	558	F017C3AA033	560	F017C3SA033
556	F017B4KB006	559	F017C1HB006	558	F017C2CB006	558	F017C3AB006	560	F017C3SB006
556	F017B4KB033	559	F017C1HB033	558	F017C2CB033	558	F017C3AB033	560	F017C3SB033
556	F017B4KD006	559	F017C1HD006	558	F017C2CD006	558	F017C3AD006	560	F017C3SD006
556	F017B4KD033	559	F017C1HD033	558	F017C2CD033	558	F017C3AD033	560	F017C3SD033
556	F017B4LA006	559	F017C1JA006	558	F017C2DA006	558	F017C3BA006	560	F017C3TA006
556	F017B4LA033	559	F017C1JA033	558	F017C2DA033	558	F017C3BA033	560	F017C3TA033
556	F017B4LB006	559	F017C1JB006	558	F017C2DB006	558	F017C3BB006	560	F017C3TB006
556	F017B4LB033	559	F017C1JB033	558	F017C2DB033	558	F017C3BB033	560	F017C3TB033
556	F017B4LD006	559	F017C1JD006	558	F017C2DD006	558	F017C3BD006	560	F017C3TD006
556	F017B4LD033	559	F017C1JD033	558	F017C2DD033	558	F017C3BD033	560	F017C3TD033
557	F017B4QA006	559	F017C1KA006	559	F017C2HA006	558	F017C3CA006	558	F017C4AA006
557	F017B4QA033	559	F017C1KA033	559	F017C2HA033	558	F017C3CA033	558	F017C4AA033
557	F017B4QB006	559	F017C1KB006	559	F017C2HB006	558	F017C3CB006	558	F017C4AB006
557	F017B4QB033	559	F017C1KB033	559	F017C2HB033	558	F017C3CB033	558	F017C4AB033
557	F017B4QD006	559	F017C1KD006	559	F017C2HD006	558	F017C3CD006	558	F017C4AD006
557	F017B4QD033	559	F017C1KD033	559	F017C2HD033	558	F017C3CD033	558	F017C4AD033
557	F017B4RA006	559	F017C1LA006	559	F017C2JA006	558	F017C3DA006	558	F017C4BA006
557	F017B4RA033	559	F017C1LA033	559	F017C2JA033	558	F017C3DA033	558	F017C4BA033
557	F017B4RB006	559	F017C1LB006	559	F017C2JB006	558	F017C3DB006	558	F017C4BB006
557	F017B4RB033	559	F017C1LB033	559	F017C2JB033	558	F017C3DB033	558	F017C4BB033
557	F017B4RD006	559	F017C1LD006	559	F017C2JD006	558	F017C3DD006	558	F017C4BD006
557	F017B4RD033	559	F017C1LD033	559	F017C2JD033	558	F017C3DD033	558	F017C4BD033
557	F017B4SA006	560	F017C1QA006	559	F017C2KA006	559	F017C3HA006	558	F017C4CA006
557	F017B4SA033	560	F017C1QA033	559	F017C2KA033	559	F017C3HA033	558	F017C4CA033
557	F017B4SB006	560	F017C1QB006	559	F017C2KB006	559	F017C3HB006	558	F017C4CB006
557	F017B4SB033	560	F017C1QB033	559	F017C2KB033	559	F017C3HB033	558	F017C4CB033
557	F017B4SD006	560	F017C1QD006	559	F017C2KD006	559	F017C3HD006	558	F017C4CD006
557	F017B4SD033	560	F017C1QD033	559	F017C2KD033	559	F017C3HD033	558	F017C4CD033
557	F017B4TA006	560	F017C1RA006	559	F017C2LA006	559	F017C3JA006	558	F017C4DA006
557	F017B4TA033	560	F017C1RA033	559	F017C2LA033	559	F017C3JA033	558	F017C4DA033
557	F017B4TB006	560	F017C1RB006	559	F017C2LB006	559	F017C3JB006	558	F017C4DB006
557	F017B4TB033	560	F017C1RB033	559	F017C2LB033	559	F017C3JB033	558	F017C4DB033
557	F017B4TD006	560	F017C1RD006	559	F017C2LD006	559	F017C3JD006	558	F017C4DD006
557	F017B4TD033	560	F017C1RD033	559	F017C2LD033	559	F017C3JD033	558	F017C4DD033
558	F017C1AA006	560	F017C1SA006	560	F017C2QA006	559	F017C3KA006	559	F017C4HA006
558	F017C1AA033	560	F017C1SA033	560	F017C2QA033	559	F017C3KA033	559	F017C4HA033
558	F017C1AB006	560	F017C1SB006	560	F017C2QB006	559	F017C3KB006	559	F017C4HB006
558	F017C1AB033	560	F017C1SB033	560	F017C2QB033	559	F017C3KB033	559	F017C4HB033
558	F017C1AD006	560	F017C1SD006	560	F017C2QD006	559	F017C3KD006	559	F017C4HD006
558	F017C1AD033	560	F017C1SD033	560	F017C2QD033	559	F017C3KD033	559	F017C4HD033
558	F017C1BA006	560	F017C1TA006	560	F017C2RA006	559	F017C3LA006	559	F017C4JA006
558	F017C1BA033	560	F017C1TA033	560	F017C2RA033	559	F017C3LA033	559	F017C4JA033
558	F017C1BB006	560	F017C1TB006	560	F017C2RB006	559	F017C3LB006	559	F017C4JB006
558	F017C1BB033	560	F017C1TB033	560	F017C2RB033	559	F017C3LB033	559	F017C4JB033
558	F017C1BD006	560	F017C1TD006	560	F017C2RD006	559	F017C3LD006	559	F017C4JD006
558	F017C1BD033	560	F017C1TD033	560	F017C2RD033	559	F017C3LD033	559	F017C4JD033
558	F017C1CA006	558	F017C2AA006	560	F017C2SA006	560	F017C3QA006	559	F017C4KA006
558	F017C1CA033	558	F017C2AA033	560	F017C2SA033	560	F017C3QA033	559	F017C4KA033
558	F017C1CB006	558	F017C2AB006	560	F017C2SB006	560	F017C3QB006	559	F017C4KB006
558	F017C1CB033	558	F017C2AB033	560	F017C2SB033	560	F017C3QB033	559	F017C4KB033
558	F017C1CD006	558	F017C2AD006	560	F017C2SD006	560	F017C3QD006	559	F017C4KD006
558	F017C1CD033	558	F017C2AD033	560	F017C2SD033	560	F017C3QD033	559	F017C4KD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
559	F017C4LA006	562	F017D1JA006	561	F017D2DA006	561	F017D3BA006	563	F017D3TA006
559	F017C4LA033	562	F017D1JA033	561	F017D2DA033	561	F017D3BA033	563	F017D3TA033
559	F017C4LB006	562	F017D1JB006	561	F017D2DB006	561	F017D3BB006	563	F017D3TB006
559	F017C4LB033	562	F017D1JB033	561	F017D2DB033	561	F017D3BB033	563	F017D3TB033
559	F017C4LD006	562	F017D1JD006	561	F017D2DD006	561	F017D3BD006	563	F017D3TD006
559	F017C4LD033	562	F017D1JD033	561	F017D2DD033	561	F017D3BD033	563	F017D3TD033
560	F017C4QA006	562	F017D1KA006	562	F017D2HA006	561	F017D3CA006	561	F017D4AA006
560	F017C4QA033	562	F017D1KA033	562	F017D2HA033	561	F017D3CA033	561	F017D4AA033
560	F017C4QB006	562	F017D1KB006	562	F017D2HB006	561	F017D3CB006	561	F017D4AB006
560	F017C4QB033	562	F017D1KB033	562	F017D2HB033	561	F017D3CB033	561	F017D4AB033
560	F017C4QD006	562	F017D1KD006	562	F017D2HD006	561	F017D3CD006	561	F017D4AD006
560	F017C4QD033	562	F017D1KD033	562	F017D2HD033	561	F017D3CD033	561	F017D4AD033
560	F017C4RA006	562	F017D1LA006	562	F017D2JA006	561	F017D3DA006	561	F017D4BA006
560	F017C4RA033	562	F017D1LA033	562	F017D2JA033	561	F017D3DA033	561	F017D4BA033
560	F017C4RB006	562	F017D1LB006	562	F017D2JB006	561	F017D3DB006	561	F017D4BB006
560	F017C4RB033	562	F017D1LB033	562	F017D2JB033	561	F017D3DB033	561	F017D4BB033
560	F017C4RD006	562	F017D1LD006	562	F017D2JD006	561	F017D3DD006	561	F017D4BD006
560	F017C4RD033	562	F017D1LD033	562	F017D2JD033	561	F017D3DD033	561	F017D4BD033
560	F017C4SA006	563	F017D1QA006	562	F017D2KA006	562	F017D3HA006	561	F017D4CA006
560	F017C4SA033	563	F017D1QA033	562	F017D2KA033	562	F017D3HA033	561	F017D4CA033
560	F017C4SB006	563	F017D1QB006	562	F017D2KB006	562	F017D3HB006	561	F017D4CB006
560	F017C4SB033	563	F017D1QB033	562	F017D2KB033	562	F017D3HB033	561	F017D4CB033
560	F017C4SD006	563	F017D1QD006	562	F017D2KD006	562	F017D3HD006	561	F017D4CD006
560	F017C4SD033	563	F017D1QD033	562	F017D2KD033	562	F017D3HD033	561	F017D4CD033
560	F017C4TA006	563	F017D1RA006	562	F017D2LA006	562	F017D3JA006	561	F017D4DA006
560	F017C4TA033	563	F017D1RA033	562	F017D2LA033	562	F017D3JA033	561	F017D4DA033
560	F017C4TB006	563	F017D1RB006	562	F017D2LB006	562	F017D3JB006	561	F017D4DB006
560	F017C4TB033	563	F017D1RB033	562	F017D2LB033	562	F017D3JB033	561	F017D4DB033
560	F017C4TD006	563	F017D1RD006	562	F017D2LD006	562	F017D3JD006	561	F017D4DD006
560	F017C4TD033	563	F017D1RD033	562	F017D2LD033	562	F017D3JD033	561	F017D4DD033
561	F017D1AA006	563	F017D1SA006	563	F017D2QA006	562	F017D3KA006	562	F017D4HA006
561	F017D1AA033	563	F017D1SA033	563	F017D2QA033	562	F017D3KA033	562	F017D4HA033
561	F017D1AB006	563	F017D1SB006	563	F017D2QB006	562	F017D3KB006	562	F017D4HB006
561	F017D1AB033	563	F017D1SB033	563	F017D2QB033	562	F017D3KB033	562	F017D4HB033
561	F017D1AD006	563	F017D1SD006	563	F017D2QD006	562	F017D3KD006	562	F017D4HD006
561	F017D1AD033	563	F017D1SD033	563	F017D2QD033	562	F017D3KD033	562	F017D4HD033
561	F017D1BA006	563	F017D1TA006	563	F017D2RA006	562	F017D3LA006	562	F017D4JA006
561	F017D1BA033	563	F017D1TA033	563	F017D2RA033	562	F017D3LA033	562	F017D4JA033
561	F017D1BB006	563	F017D1TB006	563	F017D2RB006	562	F017D3LB006	562	F017D4JB006
561	F017D1BB033	563	F017D1TB033	563	F017D2RB033	562	F017D3LB033	562	F017D4JB033
561	F017D1BD006	563	F017D1TD006	563	F017D2RD006	562	F017D3LD006	562	F017D4JD006
561	F017D1BD033	563	F017D1TD033	563	F017D2RD033	562	F017D3LD033	562	F017D4JD033
561	F017D1CA006	561	F017D2AA006	563	F017D2SA006	563	F017D3QA006	562	F017D4KA006
561	F017D1CA033	561	F017D2AA033	563	F017D2SA033	563	F017D3QA033	562	F017D4KA033
561	F017D1CB006	561	F017D2AB006	563	F017D2SB006	563	F017D3QB006	562	F017D4KB006
561	F017D1CB033	561	F017D2AB033	563	F017D2SB033	563	F017D3QB033	562	F017D4KB033
561	F017D1CD006	561	F017D2AD006	563	F017D2SD006	563	F017D3QD006	562	F017D4KD006
561	F017D1CD033	561	F017D2AD033	563	F017D2SD033	563	F017D3QD033	562	F017D4KD033
561	F017D1DA006	561	F017D2BA006	563	F017D2TA006	563	F017D3RA006	562	F017D4LA006
561	F017D1DA033	561	F017D2BA033	563	F017D2TA033	563	F017D3RA033	562	F017D4LA033
561	F017D1DB006	561	F017D2BB006	563	F017D2TB006	563	F017D3RB006	562	F017D4LB006
561	F017D1DB033	561	F017D2BB033	563	F017D2TB033	563	F017D3RB033	562	F017D4LB033
561	F017D1DD006	561	F017D2BD006	563	F017D2TD006	563	F017D3RD006	562	F017D4LD006
561	F017D1DD033	561	F017D2BD033	563	F017D2TD033	563	F017D3RD033	562	F017D4LD033
562	F017D1HA006	561	F017D2CA006	561	F017D3AA006	563	F017D3SA006	563	F017D4QA006
562	F017D1HA033	561	F017D2CA033	561	F017D3AA033	563	F017D3SA033	563	F017D4QA033
562	F017D1HB006	561	F017D2CB006	561	F017D3AB006	563	F017D3SB006	563	F017D4QB006
562	F017D1HB033	561	F017D2CB033	561	F017D3AB033	563	F017D3SB033	563	F017D4QB033
562	F017D1HD006	561	F017D2CD006	561	F017D3AD006	563	F017D3SD006	563	F017D4QD006
562	F017D1HD033	561	F017D2CD033	561	F017D3AD033	563	F017D3SD033	563	F017D4QD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
563	F017D4RA006	577	F017E1LA006	577	F017E2JA006	576	F017E3DA006	576	F017E4BA006
563	F017D4RA033	577	F017E1LA033	577	F017E2JA033	576	F017E3DA033	576	F017E4BA033
563	F017D4RB006	577	F017E1LB006	577	F017E2JB006	576	F017E3DB006	576	F017E4BB006
563	F017D4RB033	577	F017E1LB033	577	F017E2JB033	576	F017E3DB033	576	F017E4BB033
563	F017D4RD006	577	F017E1LD006	577	F017E2JD006	576	F017E3DD006	576	F017E4BD006
563	F017D4RD033	577	F017E1LD033	577	F017E2JD033	576	F017E3DD033	576	F017E4BD033
563	F017D4SA006	578	F017E1QA006	577	F017E2KA006	577	F017E3HA006	576	F017E4CA006
563	F017D4SA033	578	F017E1QA033	577	F017E2KA033	577	F017E3HA033	576	F017E4CA033
563	F017D4SB006	578	F017E1QB006	577	F017E2KB006	577	F017E3HB006	576	F017E4CB006
563	F017D4SB033	578	F017E1QB033	577	F017E2KB033	577	F017E3HB033	576	F017E4CB033
563	F017D4SD006	578	F017E1QD006	577	F017E2KD006	577	F017E3HD006	576	F017E4CD006
563	F017D4SD033	578	F017E1QD033	577	F017E2KD033	577	F017E3HD033	576	F017E4CD033
563	F017D4TA006	578	F017E1RA006	577	F017E2LA006	577	F017E3JA006	576	F017E4DA006
563	F017D4TA033	578	F017E1RA033	577	F017E2LA033	577	F017E3JA033	576	F017E4DA033
563	F017D4TB006	578	F017E1RB006	577	F017E2LB006	577	F017E3JB006	576	F017E4DB006
563	F017D4TB033	578	F017E1RB033	577	F017E2LB033	577	F017E3JB033	576	F017E4DB033
563	F017D4TD006	578	F017E1RD006	577	F017E2LD006	577	F017E3JD006	576	F017E4DD006
563	F017D4TD033	578	F017E1RD033	577	F017E2LD033	577	F017E3JD033	576	F017E4DD033
576	F017E1AA006	578	F017E1SA006	578	F017E2QA006	577	F017E3KA006	577	F017E4HA006
576	F017E1AA033	578	F017E1SA033	578	F017E2QA033	577	F017E3KA033	577	F017E4HA033
576	F017E1AB006	578	F017E1SB006	578	F017E2QB006	577	F017E3KB006	577	F017E4HB006
576	F017E1AB033	578	F017E1SB033	578	F017E2QB033	577	F017E3KB033	577	F017E4HB033
576	F017E1AD006	578	F017E1SD006	578	F017E2QD006	577	F017E3KD006	577	F017E4HD006
576	F017E1AD033	578	F017E1SD033	578	F017E2QD033	577	F017E3KD033	577	F017E4HD033
576	F017E1BA006	578	F017E1TA006	578	F017E2RA006	577	F017E3LA006	577	F017E4JA006
576	F017E1BA033	578	F017E1TA033	578	F017E2RA033	577	F017E3LA033	577	F017E4JA033
576	F017E1BB006	578	F017E1TB006	578	F017E2RB006	577	F017E3LB006	577	F017E4JB006
576	F017E1BB033	578	F017E1TB033	578	F017E2RB033	577	F017E3LB033	577	F017E4JB033
576	F017E1BD006	578	F017E1TD006	578	F017E2RD006	577	F017E3LD006	577	F017E4JD006
576	F017E1BD033	578	F017E1TD033	578	F017E2RD033	577	F017E3LD033	577	F017E4JD033
576	F017E1CA006	576	F017E2AA006	578	F017E2SA006	578	F017E3QA006	577	F017E4KA006
576	F017E1CA033	576	F017E2AA033	578	F017E2SA033	578	F017E3QA033	577	F017E4KA033
576	F017E1CB006	576	F017E2AB006	578	F017E2SB006	578	F017E3QB006	577	F017E4KB006
576	F017E1CB033	576	F017E2AB033	578	F017E2SB033	578	F017E3QB033	577	F017E4KB033
576	F017E1CD006	576	F017E2AD006	578	F017E2SD006	578	F017E3QD006	577	F017E4KD006
576	F017E1CD033	576	F017E2AD033	578	F017E2SD033	578	F017E3QD033	577	F017E4KD033
576	F017E1DA006	576	F017E2BA006	578	F017E2TA006	578	F017E3RA006	577	F017E4LA006
576	F017E1DA033	576	F017E2BA033	578	F017E2TA033	578	F017E3RA033	577	F017E4LA033
576	F017E1DB006	576	F017E2BB006	578	F017E2TB006	578	F017E3RB006	577	F017E4LB006
576	F017E1DB033	576	F017E2BB033	578	F017E2TB033	578	F017E3RB033	577	F017E4LB033
576	F017E1DD006	576	F017E2BD006	578	F017E2TD006	578	F017E3RD006	577	F017E4LD006
576	F017E1DD033	576	F017E2BD033	578	F017E2TD033	578	F017E3RD033	577	F017E4LD033
577	F017E1HA006	576	F017E2CA006	576	F017E3AA006	578	F017E3SA006	578	F017E4QA006
577	F017E1HA033	576	F017E2CA033	576	F017E3AA033	578	F017E3SA033	578	F017E4QA033
577	F017E1HB006	576	F017E2CB006	576	F017E3AB006	578	F017E3SB006	578	F017E4QB006
577	F017E1HB033	576	F017E2CB033	576	F017E3AB033	578	F017E3SB033	578	F017E4QB033
577	F017E1HD006	576	F017E2CD006	576	F017E3AD006	578	F017E3SD006	578	F017E4QD006
577	F017E1HD033	576	F017E2CD033	576	F017E3AD033	578	F017E3SD033	578	F017E4QD033
577	F017E1JA006	576	F017E2DA006	576	F017E3BA006	578	F017E3TA006	578	F017E4RA006
577	F017E1JA033	576	F017E2DA033	576	F017E3BA033	578	F017E3TA033	578	F017E4RA033
577	F017E1JB006	576	F017E2DB006	576	F017E3BB006	578	F017E3TB006	578	F017E4RB006
577	F017E1JB033	576	F017E2DB033	576	F017E3BB033	578	F017E3TB033	578	F017E4RB033
577	F017E1JD006	576	F017E2DD006	576	F017E3BD006	578	F017E3TD006	578	F017E4RD006
577	F017E1JD033	576	F017E2DD033	576	F017E3BD033	578	F017E3TD033	578	F017E4RD033
577	F017E1KA006	577	F017E2HA006	576	F017E3CA006	576	F017E4AA006	578	F017E4SA006
577	F017E1KA033	577	F017E2HA033	576	F017E3CA033	576	F017E4AA033	578	F017E4SA033
577	F017E1KB006	577	F017E2HB006	576	F017E3CB006	576	F017E4AB006	578	F017E4SB006
577	F017E1KB033	577	F017E2HB033	576	F017E3CB033	576	F017E4AB033	578	F017E4SB033
577	F017E1KD006	577	F017E2HD006	576	F017E3CD006	576	F017E4AD006	578	F017E4SD006
577	F017E1KD033	577	F017E2HD033	576	F017E3CD033	576	F017E4AD033	578	F017E4SD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
578	F017E4TA006	581	F017F1RA006	580	F017F2LA006	580	F017F3JA006	579	F017F4DA006
578	F017E4TA033	581	F017F1RA033	580	F017F2LA033	580	F017F3JA033	579	F017F4DA033
578	F017E4TB006	581	F017F1RB006	580	F017F2LB006	580	F017F3JB006	579	F017F4DB006
578	F017E4TB033	581	F017F1RB033	580	F017F2LB033	580	F017F3JB033	579	F017F4DB033
578	F017E4TD006	581	F017F1RD006	580	F017F2LD006	580	F017F3JD006	579	F017F4DD006
578	F017E4TD033	581	F017F1RD033	580	F017F2LD033	580	F017F3JD033	579	F017F4DD033
579	F017F1AA006	581	F017F1SA006	581	F017F2QA006	580	F017F3KA006	580	F017F4HA006
579	F017F1AA033	581	F017F1SA033	581	F017F2QA033	580	F017F3KA033	580	F017F4HA033
579	F017F1AB006	581	F017F1SB006	581	F017F2QB006	580	F017F3KB006	580	F017F4HB006
579	F017F1AB033	581	F017F1SB033	581	F017F2QB033	580	F017F3KB033	580	F017F4HB033
579	F017F1AD006	581	F017F1SD006	581	F017F2QD006	580	F017F3KD006	580	F017F4HD006
579	F017F1AD033	581	F017F1SD033	581	F017F2QD033	580	F017F3KD033	580	F017F4HD033
579	F017F1BA006	581	F017F1TA006	581	F017F2RA006	580	F017F3LA006	580	F017F4JA006
579	F017F1BA033	581	F017F1TA033	581	F017F2RA033	580	F017F3LA033	580	F017F4JA033
579	F017F1BB006	581	F017F1TB006	581	F017F2RB006	580	F017F3LB006	580	F017F4JB006
579	F017F1BB033	581	F017F1TB033	581	F017F2RB033	580	F017F3LB033	580	F017F4JB033
579	F017F1BD006	581	F017F1TD006	581	F017F2RD006	580	F017F3LD006	580	F017F4JD006
579	F017F1BD033	581	F017F1TD033	581	F017F2RD033	580	F017F3LD033	580	F017F4JD033
579	F017F1CA006	579	F017F2AA006	581	F017F2SA006	581	F017F3QA006	580	F017F4KA006
579	F017F1CA033	579	F017F2AA033	581	F017F2SA033	581	F017F3QA033	580	F017F4KA033
579	F017F1CB006	579	F017F2AB006	581	F017F2SB006	581	F017F3QB006	580	F017F4KB006
579	F017F1CB033	579	F017F2AB033	581	F017F2SB033	581	F017F3QB033	580	F017F4KB033
579	F017F1CD006	579	F017F2AD006	581	F017F2SD006	581	F017F3QD006	580	F017F4KD006
579	F017F1CD033	579	F017F2AD033	581	F017F2SD033	581	F017F3QD033	580	F017F4KD033
579	F017F1DA006	579	F017F2BA006	581	F017F2TA006	581	F017F3RA006	580	F017F4LA006
579	F017F1DA033	579	F017F2BA033	581	F017F2TA033	581	F017F3RA033	580	F017F4LA033
579	F017F1DB006	579	F017F2BB006	581	F017F2TB006	581	F017F3RB006	580	F017F4LB006
579	F017F1DB033	579	F017F2BB033	581	F017F2TB033	581	F017F3RB033	580	F017F4LB033
579	F017F1DD006	579	F017F2BD006	581	F017F2TD006	581	F017F3RD006	580	F017F4LD006
579	F017F1DD033	579	F017F2BD033	581	F017F2TD033	581	F017F3RD033	580	F017F4LD033
580	F017F1HA006	579	F017F2CA006	579	F017F3AA006	581	F017F3SA006	581	F017F4QA006
580	F017F1HA033	579	F017F2CA033	579	F017F3AA033	581	F017F3SA033	581	F017F4QA033
580	F017F1HB006	579	F017F2CB006	579	F017F3AB006	581	F017F3SB006	581	F017F4QB006
580	F017F1HB033	579	F017F2CB033	579	F017F3AB033	581	F017F3SB033	581	F017F4QB033
580	F017F1HD006	579	F017F2CD006	579	F017F3AD006	581	F017F3SD006	581	F017F4QD006
580	F017F1HD033	579	F017F2CD033	579	F017F3AD033	581	F017F3SD033	581	F017F4QD033
580	F017F1JA006	579	F017F2DA006	579	F017F3BA006	581	F017F3TA006	581	F017F4RA006
580	F017F1JA033	579	F017F2DA033	579	F017F3BA033	581	F017F3TA033	581	F017F4RA033
580	F017F1JB006	579	F017F2DB006	579	F017F3BB006	581	F017F3TB006	581	F017F4RB006
580	F017F1JB033	579	F017F2DB033	579	F017F3BB033	581	F017F3TB033	581	F017F4RB033
580	F017F1JD006	579	F017F2DD006	579	F017F3BD006	581	F017F3TD006	581	F017F4RD006
580	F017F1JD033	579	F017F2DD033	579	F017F3BD033	581	F017F3TD033	581	F017F4RD033
580	F017F1KA006	580	F017F2HA006	579	F017F3CA006	579	F017F4AA006	581	F017F4SA006
580	F017F1KA033	580	F017F2HA033	579	F017F3CA033	579	F017F4AA033	581	F017F4SA033
580	F017F1KB006	580	F017F2HB006	579	F017F3CB006	579	F017F4AB006	581	F017F4SB006
580	F017F1KB033	580	F017F2HB033	579	F017F3CB033	579	F017F4AB033	581	F017F4SB033
580	F017F1KD006	580	F017F2HD006	579	F017F3CD006	579	F017F4AD006	581	F017F4SD006
580	F017F1KD033	580	F017F2HD033	579	F017F3CD033	579	F017F4AD033	581	F017F4SD033
580	F017F1LA006	580	F017F2JA006	579	F017F3DA006	579	F017F4BA006	581	F017F4TA006
580	F017F1LA033	580	F017F2JA033	579	F017F3DA033	579	F017F4BA033	581	F017F4TA033
580	F017F1LB006	580	F017F2JB006	579	F017F3DB006	579	F017F4BB006	581	F017F4TB006
580	F017F1LB033	580	F017F2JB033	579	F017F3DB033	579	F017F4BB033	581	F017F4TB033
580	F017F1LD006	580	F017F2JD006	579	F017F3DD006	579	F017F4BD006	581	F017F4TD006
580	F017F1LD033	580	F017F2JD033	579	F017F3DD033	579	F017F4BD033	581	F017F4TD033
581	F017F1QA006	580	F017F2KA006	580	F017F3HA006	579	F017F4CA006	582	F017G1AA006
581	F017F1QA033	580	F017F2KA033	580	F017F3HA033	579	F017F4CA033	582	F017G1AA033
581	F017F1QB006	580	F017F2KB006	580	F017F3HB006	579	F017F4CB006	582	F017G1AB006
581	F017F1QB033	580	F017F2KB033	580	F017F3HB033	579	F017F4CB033	582	F017G1AB033
581	F017F1QD006	580	F017F2KD006	580	F017F3HD006	579	F017F4CD006	582	F017G1AD006
581	F017F1QD033	580	F017F2KD033	580	F017F3HD033	579	F017F4CD033	582	F017G1AD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
582	F017G1BA006	584	F017G1TA006	584	F017G2RA006	583	F017G3LA006	583	F017G4JA006
582	F017G1BA033	584	F017G1TA033	584	F017G2RA033	583	F017G3LA033	583	F017G4JA033
582	F017G1BB006	584	F017G1TB006	584	F017G2RB006	583	F017G3LB006	583	F017G4JB006
582	F017G1BB033	584	F017G1TB033	584	F017G2RB033	583	F017G3LB033	583	F017G4JB033
582	F017G1BD006	584	F017G1TD006	584	F017G2RD006	583	F017G3LD006	583	F017G4JD006
582	F017G1BD033	584	F017G1TD033	584	F017G2RD033	583	F017G3LD033	583	F017G4JD033
582	F017G1CA006	582	F017G2AA006	584	F017G2SA006	584	F017G3QA006	583	F017G4KA006
582	F017G1CA033	582	F017G2AA033	584	F017G2SA033	584	F017G3QA033	583	F017G4KA033
582	F017G1CB006	582	F017G2AB006	584	F017G2SB006	584	F017G3QB006	583	F017G4KB006
582	F017G1CB033	582	F017G2AB033	584	F017G2SB033	584	F017G3QB033	583	F017G4KB033
582	F017G1CD006	582	F017G2AD006	584	F017G2SD006	584	F017G3QD006	583	F017G4KD006
582	F017G1CD033	582	F017G2AD033	584	F017G2SD033	584	F017G3QD033	583	F017G4KD033
582	F017G1DA006	582	F017G2BA006	584	F017G2TA006	584	F017G3RA006	583	F017G4LA006
582	F017G1DA033	582	F017G2BA033	584	F017G2TA033	584	F017G3RA033	583	F017G4LA033
582	F017G1DB006	582	F017G2BB006	584	F017G2TB006	584	F017G3RB006	583	F017G4LB006
582	F017G1DB033	582	F017G2BB033	584	F017G2TB033	584	F017G3RB033	583	F017G4LB033
582	F017G1DD006	582	F017G2BD006	584	F017G2TD006	584	F017G3RD006	583	F017G4LD006
582	F017G1DD033	582	F017G2BD033	584	F017G2TD033	584	F017G3RD033	583	F017G4LD033
583	F017G1HA006	582	F017G2CA006	582	F017G3AA006	584	F017G3SA006	584	F017G4QA006
583	F017G1HA033	582	F017G2CA033	582	F017G3AA033	584	F017G3SA033	584	F017G4QA033
583	F017G1HB006	582	F017G2CB006	582	F017G3AB006	584	F017G3SB006	584	F017G4QB006
583	F017G1HB033	582	F017G2CB033	582	F017G3AB033	584	F017G3SB033	584	F017G4QB033
583	F017G1HD006	582	F017G2CD006	582	F017G3AD006	584	F017G3SD006	584	F017G4QD006
583	F017G1HD033	582	F017G2CD033	582	F017G3AD033	584	F017G3SD033	584	F017G4QD033
583	F017G1JA006	582	F017G2DA006	582	F017G3BA006	584	F017G3TA006	584	F017G4RA006
583	F017G1JA033	582	F017G2DA033	582	F017G3BA033	584	F017G3TA033	584	F017G4RA033
583	F017G1JB006	582	F017G2DB006	582	F017G3BB006	584	F017G3TB006	584	F017G4RB006
583	F017G1JB033	582	F017G2DB033	582	F017G3BB033	584	F017G3TB033	584	F017G4RB033
583	F017G1JD006	582	F017G2DD006	582	F017G3BD006	584	F017G3TD006	584	F017G4RD006
583	F017G1JD033	582	F017G2DD033	582	F017G3BD033	584	F017G3TD033	584	F017G4RD033
583	F017G1KA006	583	F017G2HA006	582	F017G3CA006	582	F017G4AA006	584	F017G4SA006
583	F017G1KA033	583	F017G2HA033	582	F017G3CA033	582	F017G4AA033	584	F017G4SA033
583	F017G1KB006	583	F017G2HB006	582	F017G3CB006	582	F017G4AB006	584	F017G4SB006
583	F017G1KB033	583	F017G2HB033	582	F017G3CB033	582	F017G4AB033	584	F017G4SB033
583	F017G1KD006	583	F017G2HD006	582	F017G3CD006	582	F017G4AD006	584	F017G4SD006
583	F017G1KD033	583	F017G2HD033	582	F017G3CD033	582	F017G4AD033	584	F017G4SD033
583	F017G1LA006	583	F017G2JA006	582	F017G3DA006	582	F017G4BA006	584	F017G4TA006
583	F017G1LA033	583	F017G2JA033	582	F017G3DA033	582	F017G4BA033	584	F017G4TA033
583	F017G1LB006	583	F017G2JB006	582	F017G3DB006	582	F017G4BB006	584	F017G4TB006
583	F017G1LB033	583	F017G2JB033	582	F017G3DB033	582	F017G4BB033	584	F017G4TB033
583	F017G1LD006	583	F017G2JD006	582	F017G3DD006	582	F017G4BD006	584	F017G4TD006
583	F017G1LD033	583	F017G2JD033	582	F017G3DD033	582	F017G4BD033	584	F017G4TD033
584	F017G1QA006	583	F017G2KA006	583	F017G3HA006	582	F017G4CA006	585	F017H1AA006
584	F017G1QA033	583	F017G2KA033	583	F017G3HA033	582	F017G4CA033	585	F017H1AA033
584	F017G1QB006	583	F017G2KB006	583	F017G3HB006	582	F017G4CB006	585	F017H1AB006
584	F017G1QB033	583	F017G2KB033	583	F017G3HB033	582	F017G4CB033	585	F017H1AB033
584	F017G1QD006	583	F017G2KD006	583	F017G3HD006	582	F017G4CD006	585	F017H1AD006
584	F017G1QD033	583	F017G2KD033	583	F017G3HD033	582	F017G4CD033	585	F017H1AD033
584	F017G1RA006	583	F017G2LA006	583	F017G3JA006	582	F017G4DA006	585	F017H1BA006
584	F017G1RA033	583	F017G2LA033	583	F017G3JA033	582	F017G4DA033	585	F017H1BA033
584	F017G1RB006	583	F017G2LB006	583	F017G3JB006	582	F017G4DB006	585	F017H1BB006
584	F017G1RB033	583	F017G2LB033	583	F017G3JB033	582	F017G4DB033	585	F017H1BB033
584	F017G1RD006	583	F017G2LD006	583	F017G3JD006	582	F017G4DD006	585	F017H1BD006
584	F017G1RD033	583	F017G2LD033	583	F017G3JD033	582	F017G4DD033	585	F017H1BD033
584	F017G1SA006	584	F017G2QA006	583	F017G3KA006	583	F017G4HA006	585	F017H1CA006
584	F017G1SA033	584	F017G2QA033	583	F017G3KA033	583	F017G4HA033	585	F017H1CA033
584	F017G1SB006	584	F017G2QB006	583	F017G3KB006	583	F017G4HB006	585	F017H1CB006
584	F017G1SB033	584	F017G2QB033	583	F017G3KB033	583	F017G4HB033	585	F017H1CB033
584	F017G1SD006	584	F017G2QD006	583	F017G3KD006	583	F017G4HD006	585	F017H1CD006
584	F017G1SD033	584	F017G2QD033	583	F017G3KD033	583	F017G4HD033	585	F017H1CD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
585	F017H1DA006	585	F017H2BA006	587	F017H2TA006	587	F017H3RA006	586	F017H4LA006
585	F017H1DA033	585	F017H2BA033	587	F017H2TA033	587	F017H3RA033	586	F017H4LA033
585	F017H1DB006	585	F017H2BB006	587	F017H2TB006	587	F017H3RB006	586	F017H4LB006
585	F017H1DB033	585	F017H2BB033	587	F017H2TB033	587	F017H3RB033	586	F017H4LB033
585	F017H1DD006	585	F017H2BD006	587	F017H2TD006	587	F017H3RD006	586	F017H4LD006
585	F017H1DD033	585	F017H2BD033	587	F017H2TD033	587	F017H3RD033	586	F017H4LD033
586	F017H1HA006	585	F017H2CA006	585	F017H3AA006	587	F017H3SA006	587	F017H4QA006
586	F017H1HA033	585	F017H2CA033	585	F017H3AA033	587	F017H3SA033	587	F017H4QA033
586	F017H1HB006	585	F017H2CB006	585	F017H3AB006	587	F017H3SB006	587	F017H4QB006
586	F017H1HB033	585	F017H2CB033	585	F017H3AB033	587	F017H3SB033	587	F017H4QB033
586	F017H1HD006	585	F017H2CD006	585	F017H3AD006	587	F017H3SD006	587	F017H4QD006
586	F017H1HD033	585	F017H2CD033	585	F017H3AD033	587	F017H3SD033	587	F017H4QD033
586	F017H1JA006	585	F017H2DA006	585	F017H3BA006	587	F017H3TA006	587	F017H4RA006
586	F017H1JA033	585	F017H2DA033	585	F017H3BA033	587	F017H3TA033	587	F017H4RA033
586	F017H1JB006	585	F017H2DB006	585	F017H3BB006	587	F017H3TB006	587	F017H4RB006
586	F017H1JB033	585	F017H2DB033	585	F017H3BB033	587	F017H3TB033	587	F017H4RB033
586	F017H1JD006	585	F017H2DD006	585	F017H3BD006	587	F017H3TD006	587	F017H4RD006
586	F017H1JD033	585	F017H2DD033	585	F017H3BD033	587	F017H3TD033	587	F017H4RD033
586	F017H1KA006	586	F017H2HA006	585	F017H3CA006	585	F017H4AA006	587	F017H4SA006
586	F017H1KA033	586	F017H2HA033	585	F017H3CA033	585	F017H4AA033	587	F017H4SA033
586	F017H1KB006	586	F017H2HB006	585	F017H3CB006	585	F017H4AB006	587	F017H4SB006
586	F017H1KB033	586	F017H2HB033	585	F017H3CB033	585	F017H4AB033	587	F017H4SB033
586	F017H1KD006	586	F017H2HD006	585	F017H3CD006	585	F017H4AD006	587	F017H4SD006
586	F017H1KD033	586	F017H2HD033	585	F017H3CD033	585	F017H4AD033	587	F017H4SD033
586	F017H1LA006	586	F017H2JA006	585	F017H3DA006	585	F017H4BA006	587	F017H4TA006
586	F017H1LA033	586	F017H2JA033	585	F017H3DA033	585	F017H4BA033	587	F017H4TA033
586	F017H1LB006	586	F017H2JB006	585	F017H3DB006	585	F017H4BB006	587	F017H4TB006
586	F017H1LB033	586	F017H2JB033	585	F017H3DB033	585	F017H4BB033	587	F017H4TB033
586	F017H1LD006	586	F017H2JD006	585	F017H3DD006	585	F017H4BD006	587	F017H4TD006
586	F017H1LD033	586	F017H2JD033	585	F017H3DD033	585	F017H4BD033	587	F017H4TD033
587	F017H1QA006	586	F017H2KA006	586	F017H3HA006	585	F017H4CA006	564	F017J1AA006
587	F017H1QA033	586	F017H2KA033	586	F017H3HA033	585	F017H4CA033	564	F017J1AA033
587	F017H1QB006	586	F017H2KB006	586	F017H3HB006	585	F017H4CB006	564	F017J1AB006
587	F017H1QB033	586	F017H2KB033	586	F017H3HB033	585	F017H4CB033	564	F017J1AB033
587	F017H1QD006	586	F017H2KD006	586	F017H3HD006	585	F017H4CD006	564	F017J1AD006
587	F017H1QD033	586	F017H2KD033	586	F017H3HD033	585	F017H4CD033	564	F017J1AD033
587	F017H1RA006	586	F017H2LA006	586	F017H3JA006	585	F017H4DA006	564	F017J1BA006
587	F017H1RA033	586	F017H2LA033	586	F017H3JA033	585	F017H4DA033	564	F017J1BA033
587	F017H1RB006	586	F017H2LB006	586	F017H3JB006	585	F017H4DB006	564	F017J1BB006
587	F017H1RB033	586	F017H2LB033	586	F017H3JB033	585	F017H4DB033	564	F017J1BB033
587	F017H1RD006	586	F017H2LD006	586	F017H3JD006	585	F017H4DD006	564	F017J1BD006
587	F017H1RD033	586	F017H2LD033	586	F017H3JD033	585	F017H4DD033	564	F017J1BD033
587	F017H1SA006	587	F017H2QA006	586	F017H3KA006	586	F017H4HA006	564	F017J1CA006
587	F017H1SA033	587	F017H2QA033	586	F017H3KA033	586	F017H4HA033	564	F017J1CA033
587	F017H1SB006	587	F017H2QB006	586	F017H3KB006	586	F017H4HB006	564	F017J1CB006
587	F017H1SB033	587	F017H2QB033	586	F017H3KB033	586	F017H4HB033	564	F017J1CB033
587	F017H1SD006	587	F017H2QD006	586	F017H3KD006	586	F017H4HD006	564	F017J1CD006
587	F017H1SD033	587	F017H2QD033	586	F017H3KD033	586	F017H4HD033	564	F017J1CD033
587	F017H1TA006	587	F017H2RA006	586	F017H3LA006	586	F017H4JA006	564	F017J1DA006
587	F017H1TA033	587	F017H2RA033	586	F017H3LA033	586	F017H4JA033	564	F017J1DA033
587	F017H1TB006	587	F017H2RB006	586	F017H3LB006	586	F017H4JB006	564	F017J1DB006
587	F017H1TB033	587	F017H2RB033	586	F017H3LB033	586	F017H4JB033	564	F017J1DB033
587	F017H1TD006	587	F017H2RD006	586	F017H3LD006	586	F017H4JD006	564	F017J1DD006
587	F017H1TD033	587	F017H2RD033	586	F017H3LD033	586	F017H4JD033	564	F017J1DD033
585	F017H2AA006	587	F017H2SA006	587	F017H3QA006	586	F017H4KA006	565	F017J1HA006
585	F017H2AA033	587	F017H2SA033	587	F017H3QA033	586	F017H4KA033	565	F017J1HA033
585	F017H2AB006	587	F017H2SB006	587	F017H3QB006	586	F017H4KB006	565	F017J1HB006
585	F017H2AB033	587	F017H2SB033	587	F017H3QB033	586	F017H4KB033	565	F017J1HB033
585	F017H2AD006	587	F017H2SD006	587	F017H3QD006	586	F017H4KD006	565	F017J1HD006
585	F017H2AD033	587	F017H2SD033	587	F017H3QD033	586	F017H4KD033	565	F017J1HD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
565	F017J1JA006	564	F017J2DA006	564	F017J3BA006	566	F017J3TA006	566	F017J4RA006
565	F017J1JA033	564	F017J2DA033	564	F017J3BA033	566	F017J3TA033	566	F017J4RA033
565	F017J1JB006	564	F017J2DB006	564	F017J3BB006	566	F017J3TB006	566	F017J4RB006
565	F017J1JB033	564	F017J2DB033	564	F017J3BB033	566	F017J3TB033	566	F017J4RB033
565	F017J1JD006	564	F017J2DD006	564	F017J3BD006	566	F017J3TD006	566	F017J4RD006
565	F017J1JD033	564	F017J2DD033	564	F017J3BD033	566	F017J3TD033	566	F017J4RD033
565	F017J1KA006	565	F017J2HA006	564	F017J3CA006	564	F017J4AA006	566	F017J4SA006
565	F017J1KA033	565	F017J2HA033	564	F017J3CA033	564	F017J4AA033	566	F017J4SA033
565	F017J1KB006	565	F017J2HB006	564	F017J3CB006	564	F017J4AB006	566	F017J4SB006
565	F017J1KB033	565	F017J2HB033	564	F017J3CB033	564	F017J4AB033	566	F017J4SB033
565	F017J1KD006	565	F017J2HD006	564	F017J3CD006	564	F017J4AD006	566	F017J4SD006
565	F017J1KD033	565	F017J2HD033	564	F017J3CD033	564	F017J4AD033	566	F017J4SD033
565	F017J1LA006	565	F017J2JA006	564	F017J3DA006	564	F017J4BA006	566	F017J4TA006
565	F017J1LA033	565	F017J2JA033	564	F017J3DA033	564	F017J4BA033	566	F017J4TA033
565	F017J1LB006	565	F017J2JB006	564	F017J3DB006	564	F017J4BB006	566	F017J4TB006
565	F017J1LB033	565	F017J2JB033	564	F017J3DB033	564	F017J4BB033	566	F017J4TB033
565	F017J1LD006	565	F017J2JD006	564	F017J3DD006	564	F017J4BD006	566	F017J4TD006
565	F017J1LD033	565	F017J2JD033	564	F017J3DD033	564	F017J4BD033	566	F017J4TD033
566	F017J1QA006	565	F017J2KA006	565	F017J3HA006	564	F017J4CA006	567	F017K1AA006
566	F017J1QA033	565	F017J2KA033	565	F017J3HA033	564	F017J4CA033	567	F017K1AA033
566	F017J1QB006	565	F017J2KB006	565	F017J3HB006	564	F017J4CB006	567	F017K1AB006
566	F017J1QB033	565	F017J2KB033	565	F017J3HB033	564	F017J4CB033	567	F017K1AB033
566	F017J1QD006	565	F017J2KD006	565	F017J3HD006	564	F017J4CD006	567	F017K1AD006
566	F017J1QD033	565	F017J2KD033	565	F017J3HD033	564	F017J4CD033	567	F017K1AD033
566	F017J1RA006	565	F017J2LA006	565	F017J3JA006	564	F017J4DA006	567	F017K1BA006
566	F017J1RA033	565	F017J2LA033	565	F017J3JA033	564	F017J4DA033	567	F017K1BA033
566	F017J1RB006	565	F017J2LB006	565	F017J3JB006	564	F017J4DB006	567	F017K1BB006
566	F017J1RB033	565	F017J2LB033	565	F017J3JB033	564	F017J4DB033	567	F017K1BB033
566	F017J1RD006	565	F017J2LD006	565	F017J3JD006	564	F017J4DD006	567	F017K1BD006
566	F017J1RD033	565	F017J2LD033	565	F017J3JD033	564	F017J4DD033	567	F017K1BD033
566	F017J1SA006	566	F017J2QA006	565	F017J3KA006	565	F017J4HA006	567	F017K1CA006
566	F017J1SA033	566	F017J2QA033	565	F017J3KA033	565	F017J4HA033	567	F017K1CA033
566	F017J1SB006	566	F017J2QB006	565	F017J3KB006	565	F017J4HB006	567	F017K1CB006
566	F017J1SB033	566	F017J2QB033	565	F017J3KB033	565	F017J4HB033	567	F017K1CB033
566	F017J1SD006	566	F017J2QD006	565	F017J3KD006	565	F017J4HD006	567	F017K1CD006
566	F017J1SD033	566	F017J2QD033	565	F017J3KD033	565	F017J4HD033	567	F017K1CD033
566	F017J1TA006	566	F017J2RA006	565	F017J3LA006	565	F017J4JA006	567	F017K1DA006
566	F017J1TA033	566	F017J2RA033	565	F017J3LA033	565	F017J4JA033	567	F017K1DA033
566	F017J1TB006	566	F017J2RB006	565	F017J3LB006	565	F017J4JB006	567	F017K1DB006
566	F017J1TB033	566	F017J2RB033	565	F017J3LB033	565	F017J4JB033	567	F017K1DB033
566	F017J1TD006	566	F017J2RD006	565	F017J3LD006	565	F017J4JD006	567	F017K1DD006
566	F017J1TD033	566	F017J2RD033	565	F017J3LD033	565	F017J4JD033	567	F017K1DD033
564	F017J2AA006	566	F017J2SA006	566	F017J3QA006	565	F017J4KA006	568	F017K1HA006
564	F017J2AA033	566	F017J2SA033	566	F017J3QA033	565	F017J4KA033	568	F017K1HA033
564	F017J2AB006	566	F017J2SB006	566	F017J3QB006	565	F017J4KB006	568	F017K1HB006
564	F017J2AB033	566	F017J2SB033	566	F017J3QB033	565	F017J4KB033	568	F017K1HB033
564	F017J2AD006	566	F017J2SD006	566	F017J3QD006	565	F017J4KD006	568	F017K1HD006
564	F017J2AD033	566	F017J2SD033	566	F017J3QD033	565	F017J4KD033	568	F017K1HD033
564	F017J2BA006	566	F017J2TA006	566	F017J3RA006	565	F017J4LA006	568	F017K1JA006
564	F017J2BA033	566	F017J2TA033	566	F017J3RA033	565	F017J4LA033	568	F017K1JA033
564	F017J2BB006	566	F017J2TB006	566	F017J3RB006	565	F017J4LB006	568	F017K1JB006
564	F017J2BB033	566	F017J2TB033	566	F017J3RB033	565	F017J4LB033	568	F017K1JB033
564	F017J2BD006	566	F017J2TD006	566	F017J3RD006	565	F017J4LD006	568	F017K1JD006
564	F017J2BD033	566	F017J2TD033	566	F017J3RD033	565	F017J4LD033	568	F017K1JD033
564	F017J2CA006	564	F017J3AA006	566	F017J3SA006	566	F017J4QA006	568	F017K1KA006
564	F017J2CA033	564	F017J3AA033	566	F017J3SA033	566	F017J4QA033	568	F017K1KA033
564	F017J2CB006	564	F017J3AB006	566	F017J3SB006	566	F017J4QB006	568	F017K1KB006
564	F017J2CB033	564	F017J3AB033	566	F017J3SB033	566	F017J4QB033	568	F017K1KB033
564	F017J2CD006	564	F017J3AD006	566	F017J3SD006	566	F017J4QD006	568	F017K1KD006
564	F017J2CD033	564	F017J3AD033	566	F017J3SD033	566	F017J4QD033	568	F017K1KD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
568	F017K1LA006	568	F017K2JA006	567	F017K3DA006	567	F017K4BA006	569	F017K4TA006
568	F017K1LA033	568	F017K2JA033	567	F017K3DA033	567	F017K4BA033	569	F017K4TA033
568	F017K1LB006	568	F017K2JB006	567	F017K3DB006	567	F017K4BB006	569	F017K4TB006
568	F017K1LB033	568	F017K2JB033	567	F017K3DB033	567	F017K4BB033	569	F017K4TB033
568	F017K1LD006	568	F017K2JD006	567	F017K3DD006	567	F017K4BD006	569	F017K4TD006
568	F017K1LD033	568	F017K2JD033	567	F017K3DD033	567	F017K4BD033	569	F017K4TD033
569	F017K1QA006	568	F017K2KA006	568	F017K3HA006	567	F017K4CA006	570	F017L1AA006
569	F017K1QA033	568	F017K2KA033	568	F017K3HA033	567	F017K4CA033	570	F017L1AA033
569	F017K1QB006	568	F017K2KB006	568	F017K3HB006	567	F017K4CB006	570	F017L1AB006
569	F017K1QB033	568	F017K2KB033	568	F017K3HB033	567	F017K4CB033	570	F017L1AB033
569	F017K1QD006	568	F017K2KD006	568	F017K3HD006	567	F017K4CD006	570	F017L1AD006
569	F017K1QD033	568	F017K2KD033	568	F017K3HD033	567	F017K4CD033	570	F017L1AD033
569	F017K1RA006	568	F017K2LA006	568	F017K3JA006	567	F017K4DA006	570	F017L1BA006
569	F017K1RA033	568	F017K2LA033	568	F017K3JA033	567	F017K4DA033	570	F017L1BA033
569	F017K1RB006	568	F017K2LB006	568	F017K3JB006	567	F017K4DB006	570	F017L1BB006
569	F017K1RB033	568	F017K2LB033	568	F017K3JB033	567	F017K4DB033	570	F017L1BB033
569	F017K1RD006	568	F017K2LD006	568	F017K3JD006	567	F017K4DD006	570	F017L1BD006
569	F017K1RD033	568	F017K2LD033	568	F017K3JD033	567	F017K4DD033	570	F017L1BD033
569	F017K1SA006	569	F017K2QA006	568	F017K3KA006	568	F017K4HA006	570	F017L1CA006
569	F017K1SA033	569	F017K2QA033	568	F017K3KA033	568	F017K4HA033	570	F017L1CA033
569	F017K1SB006	569	F017K2QB006	568	F017K3KB006	568	F017K4HB006	570	F017L1CB006
569	F017K1SB033	569	F017K2QB033	568	F017K3KB033	568	F017K4HB033	570	F017L1CB033
569	F017K1SD006	569	F017K2QD006	568	F017K3KD006	568	F017K4HD006	570	F017L1CD006
569	F017K1SD033	569	F017K2QD033	568	F017K3KD033	568	F017K4HD033	570	F017L1CD033
569	F017K1TA006	569	F017K2RA006	568	F017K3LA006	568	F017K4JA006	570	F017L1DA006
569	F017K1TA033	569	F017K2RA033	568	F017K3LA033	568	F017K4JA033	570	F017L1DA033
569	F017K1TB006	569	F017K2RB006	568	F017K3LB006	568	F017K4JB006	570	F017L1DB006
569	F017K1TB033	569	F017K2RB033	568	F017K3LB033	568	F017K4JB033	570	F017L1DB033
569	F017K1TD006	569	F017K2RD006	568	F017K3LD006	568	F017K4JD006	570	F017L1DD006
569	F017K1TD033	569	F017K2RD033	568	F017K3LD033	568	F017K4JD033	570	F017L1DD033
567	F017K2AA006	569	F017K2SA006	569	F017K3QA006	568	F017K4KA006	571	F017L1HA006
567	F017K2AA033	569	F017K2SA033	569	F017K3QA033	568	F017K4KA033	571	F017L1HA033
567	F017K2AB006	569	F017K2SB006	569	F017K3QB006	568	F017K4KB006	571	F017L1HB006
567	F017K2AB033	569	F017K2SB033	569	F017K3QB033	568	F017K4KB033	571	F017L1HB033
567	F017K2AD006	569	F017K2SD006	569	F017K3QD006	568	F017K4KD006	571	F017L1HD006
567	F017K2AD033	569	F017K2SD033	569	F017K3QD033	568	F017K4KD033	571	F017L1HD033
567	F017K2BA006	569	F017K2TA006	569	F017K3RA006	568	F017K4LA006	571	F017L1JA006
567	F017K2BA033	569	F017K2TA033	569	F017K3RA033	568	F017K4LA033	571	F017L1JA033
567	F017K2BB006	569	F017K2TB006	569	F017K3RB006	568	F017K4LB006	571	F017L1JB006
567	F017K2BB033	569	F017K2TB033	569	F017K3RB033	568	F017K4LB033	571	F017L1JB033
567	F017K2BD006	569	F017K2TD006	569	F017K3RD006	568	F017K4LD006	571	F017L1JD006
567	F017K2BD033	569	F017K2TD033	569	F017K3RD033	568	F017K4LD033	571	F017L1JD033
567	F017K2CA006	567	F017K3AA006	569	F017K3SA006	569	F017K4QA006	571	F017L1KA006
567	F017K2CA033	567	F017K3AA033	569	F017K3SA033	569	F017K4QA033	571	F017L1KA033
567	F017K2CB006	567	F017K3AB006	569	F017K3SB006	569	F017K4QB006	571	F017L1KB006
567	F017K2CB033	567	F017K3AB033	569	F017K3SB033	569	F017K4QB033	571	F017L1KB033
567	F017K2CD006	567	F017K3AD006	569	F017K3SD006	569	F017K4QD006	571	F017L1KD006
567	F017K2CD033	567	F017K3AD033	569	F017K3SD033	569	F017K4QD033	571	F017L1KD033
567	F017K2DA006	567	F017K3BA006	569	F017K3TA006	569	F017K4RA006	571	F017L1LA006
567	F017K2DA033	567	F017K3BA033	569	F017K3TA033	569	F017K4RA033	571	F017L1LA033
567	F017K2DB006	567	F017K3BB006	569	F017K3TB006	569	F017K4RB006	571	F017L1LB006
567	F017K2DB033	567	F017K3BB033	569	F017K3TB033	569	F017K4RB033	571	F017L1LB033
567	F017K2DD006	567	F017K3BD006	569	F017K3TD006	569	F017K4RD006	571	F017L1LD006
567	F017K2DD033	567	F017K3BD033	569	F017K3TD033	569	F017K4RD033	571	F017L1LD033
568	F017K2HA006	567	F017K3CA006	567	F017K4AA006	569	F017K4SA006	572	F017L1QA006
568	F017K2HA033	567	F017K3CA033	567	F017K4AA033	569	F017K4SA033	572	F017L1QA033
568	F017K2HB006	567	F017K3CB006	567	F017K4AB006	569	F017K4SB006	572	F017L1QB006
568	F017K2HB033	567	F017K3CB033	567	F017K4AB033	569	F017K4SB033	572	F017L1QB033
568	F017K2HD006	567	F017K3CD006	567	F017K4AD006	569	F017K4SD006	572	F017L1QD006
568	F017K2HD033	567	F017K3CD033	567	F017K4AD033	569	F017K4SD033	572	F017L1QD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
572	F017L1RA006	571	F017L2LA006	571	F017L3JA006	570	F017L4DA006	573	F017M1BA006
572	F017L1RA033	571	F017L2LA033	571	F017L3JA033	570	F017L4DA033	573	F017M1BA033
572	F017L1RB006	571	F017L2LB006	571	F017L3JB006	570	F017L4DB006	573	F017M1BB006
572	F017L1RB033	571	F017L2LB033	571	F017L3JB033	570	F017L4DB033	573	F017M1BB033
572	F017L1RD006	571	F017L2LD006	571	F017L3JD006	570	F017L4DD006	573	F017M1BD006
572	F017L1RD033	571	F017L2LD033	571	F017L3JD033	570	F017L4DD033	573	F017M1BD033
572	F017L1SA006	572	F017L2QA006	571	F017L3KA006	571	F017L4HA006	573	F017M1CA006
572	F017L1SA033	572	F017L2QA033	571	F017L3KA033	571	F017L4HA033	573	F017M1CA033
572	F017L1SB006	572	F017L2QB006	571	F017L3KB006	571	F017L4HB006	573	F017M1CB006
572	F017L1SB033	572	F017L2QB033	571	F017L3KB033	571	F017L4HB033	573	F017M1CB033
572	F017L1SD006	572	F017L2QD006	571	F017L3KD006	571	F017L4HD006	573	F017M1CD006
572	F017L1SD033	572	F017L2QD033	571	F017L3KD033	571	F017L4HD033	573	F017M1CD033
572	F017L1TA006	572	F017L2RA006	571	F017L3LA006	571	F017L4JA006	573	F017M1DA006
572	F017L1TA033	572	F017L2RA033	571	F017L3LA033	571	F017L4JA033	573	F017M1DA033
572	F017L1TB006	572	F017L2RB006	571	F017L3LB006	571	F017L4JB006	573	F017M1DB006
572	F017L1TB033	572	F017L2RB033	571	F017L3LB033	571	F017L4JB033	573	F017M1DB033
572	F017L1TD006	572	F017L2RD006	571	F017L3LD006	571	F017L4JD006	573	F017M1DD006
572	F017L1TD033	572	F017L2RD033	571	F017L3LD033	571	F017L4JD033	573	F017M1DD033
570	F017L2AA006	572	F017L2SA006	572	F017L3QA006	571	F017L4KA006	574	F017M1HA006
570	F017L2AA033	572	F017L2SA033	572	F017L3QA033	571	F017L4KA033	574	F017M1HA033
570	F017L2AB006	572	F017L2SB006	572	F017L3QB006	571	F017L4KB006	574	F017M1HB006
570	F017L2AB033	572	F017L2SB033	572	F017L3QB033	571	F017L4KB033	574	F017M1HB033
570	F017L2AD006	572	F017L2SD006	572	F017L3QD006	571	F017L4KD006	574	F017M1HD006
570	F017L2AD033	572	F017L2SD033	572	F017L3QD033	571	F017L4KD033	574	F017M1HD033
570	F017L2BA006	572	F017L2TA006	572	F017L3RA006	571	F017L4LA006	574	F017M1JA006
570	F017L2BA033	572	F017L2TA033	572	F017L3RA033	571	F017L4LA033	574	F017M1JA033
570	F017L2BB006	572	F017L2TB006	572	F017L3RB006	571	F017L4LB006	574	F017M1JB006
570	F017L2BB033	572	F017L2TB033	572	F017L3RB033	571	F017L4LB033	574	F017M1JB033
570	F017L2BD006	572	F017L2TD006	572	F017L3RD006	571	F017L4LD006	574	F017M1JD006
570	F017L2BD033	572	F017L2TD033	572	F017L3RD033	571	F017L4LD033	574	F017M1JD033
570	F017L2CA006	570	F017L3AA006	572	F017L3SA006	572	F017L4QA006	574	F017M1KA006
570	F017L2CA033	570	F017L3AA033	572	F017L3SA033	572	F017L4QA033	574	F017M1KA033
570	F017L2CB006	570	F017L3AB006	572	F017L3SB006	572	F017L4QB006	574	F017M1KB006
570	F017L2CB033	570	F017L3AB033	572	F017L3SB033	572	F017L4QB033	574	F017M1KB033
570	F017L2CD006	570	F017L3AD006	572	F017L3SD006	572	F017L4QD006	574	F017M1KD006
570	F017L2CD033	570	F017L3AD033	572	F017L3SD033	572	F017L4QD033	574	F017M1KD033
570	F017L2DA006	570	F017L3BA006	572	F017L3TA006	572	F017L4RA006	574	F017M1LA006
570	F017L2DA033	570	F017L3BA033	572	F017L3TA033	572	F017L4RA033	574	F017M1LA033
570	F017L2DB006	570	F017L3BB006	572	F017L3TB006	572	F017L4RB006	574	F017M1LB006
570	F017L2DB033	570	F017L3BB033	572	F017L3TB033	572	F017L4RB033	574	F017M1LB033
570	F017L2DD006	570	F017L3BD006	572	F017L3TD006	572	F017L4RD006	574	F017M1LD006
570	F017L2DD033	570	F017L3BD033	572	F017L3TD033	572	F017L4RD033	574	F017M1LD033
571	F017L2HA006	570	F017L3CA006	570	F017L4AA006	572	F017L4SA006	575	F017M1QA006
571	F017L2HA033	570	F017L3CA033	570	F017L4AA033	572	F017L4SA033	575	F017M1QA033
571	F017L2HB006	570	F017L3CB006	570	F017L4AB006	572	F017L4SB006	575	F017M1QB006
571	F017L2HB033	570	F017L3CB033	570	F017L4AB033	572	F017L4SB033	575	F017M1QB033
571	F017L2HD006	570	F017L3CD006	570	F017L4AD006	572	F017L4SD006	575	F017M1QD006
571	F017L2HD033	570	F017L3CD033	570	F017L4AD033	572	F017L4SD033	575	F017M1QD033
571	F017L2JA006	570	F017L3DA006	570	F017L4BA006	572	F017L4TA006	575	F017M1RA006
571	F017L2JA033	570	F017L3DA033	570	F017L4BA033	572	F017L4TA033	575	F017M1RA033
571	F017L2JB006	570	F017L3DB006	570	F017L4BB006	572	F017L4TB006	575	F017M1RB006
571	F017L2JB033	570	F017L3DB033	570	F017L4BB033	572	F017L4TB033	575	F017M1RB033
571	F017L2JD006	570	F017L3DD006	570	F017L4BD006	572	F017L4TD006	575	F017M1RD006
571	F017L2JD033	570	F017L3DD033	570	F017L4BD033	572	F017L4TD033	575	F017M1RD033
571	F017L2KA006	571	F017L3HA006	570	F017L4CA006	573	F017M1AA006	575	F017M1SA006
571	F017L2KA033	571	F017L3HA033	570	F017L4CA033	573	F017M1AA033	575	F017M1SA033
571	F017L2KB006	571	F017L3HB006	570	F017L4CB006	573	F017M1AB006	575	F017M1SB006
571	F017L2KB033	571	F017L3HB033	570	F017L4CB033	573	F017M1AB033	575	F017M1SB033
571	F017L2KD006	571	F017L3HD006	570	F017L4CD006	573	F017M1AD006	575	F017M1SD006
571	F017L2KD033	571	F017L3HD033	570	F017L4CD033	573	F017M1AD033	575	F017M1SD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
575	F017M1TA006	575	F017M2RA006	574	F017M3LA006	574	F017M4JA006	588	F017N1DA006
575	F017M1TA033	575	F017M2RA033	574	F017M3LA033	574	F017M4JA033	588	F017N1DA033
575	F017M1TB006	575	F017M2RB006	574	F017M3LB006	574	F017M4JB006	588	F017N1DB006
575	F017M1TB033	575	F017M2RB033	574	F017M3LB033	574	F017M4JB033	588	F017N1DB033
575	F017M1TD006	575	F017M2RD006	574	F017M3LD006	574	F017M4JD006	588	F017N1DD006
575	F017M1TD033	575	F017M2RD033	574	F017M3LD033	574	F017M4JD033	588	F017N1DD033
573	F017M2AA006	575	F017M2SA006	575	F017M3QA006	574	F017M4KA006	589	F017N1HA006
573	F017M2AA033	575	F017M2SA033	575	F017M3QA033	574	F017M4KA033	589	F017N1HA033
573	F017M2AB006	575	F017M2SB006	575	F017M3QB006	574	F017M4KB006	589	F017N1HB006
573	F017M2AB033	575	F017M2SB033	575	F017M3QB033	574	F017M4KB033	589	F017N1HB033
573	F017M2AD006	575	F017M2SD006	575	F017M3QD006	574	F017M4KD006	589	F017N1HD006
573	F017M2AD033	575	F017M2SD033	575	F017M3QD033	574	F017M4KD033	589	F017N1HD033
573	F017M2BA006	575	F017M2TA006	575	F017M3RA006	574	F017M4LA006	589	F017N1JA006
573	F017M2BA033	575	F017M2TA033	575	F017M3RA033	574	F017M4LA033	589	F017N1JA033
573	F017M2BB006	575	F017M2TB006	575	F017M3RB006	574	F017M4LB006	589	F017N1JB006
573	F017M2BB033	575	F017M2TB033	575	F017M3RB033	574	F017M4LB033	589	F017N1JB033
573	F017M2BD006	575	F017M2TD006	575	F017M3RD006	574	F017M4LD006	589	F017N1JD006
573	F017M2BD033	575	F017M2TD033	575	F017M3RD033	574	F017M4LD033	589	F017N1JD033
573	F017M2CA006	573	F017M3AA006	575	F017M3SA006	575	F017M4QA006	589	F017N1KA006
573	F017M2CA033	573	F017M3AA033	575	F017M3SA033	575	F017M4QA033	589	F017N1KA033
573	F017M2CB006	573	F017M3AB006	575	F017M3SB006	575	F017M4QB006	589	F017N1KB006
573	F017M2CB033	573	F017M3AB033	575	F017M3SB033	575	F017M4QB033	589	F017N1KB033
573	F017M2CD006	573	F017M3AD006	575	F017M3SD006	575	F017M4QD006	589	F017N1KD006
573	F017M2CD033	573	F017M3AD033	575	F017M3SD033	575	F017M4QD033	589	F017N1KD033
573	F017M2DA006	573	F017M3BA006	575	F017M3TA006	575	F017M4RA006	589	F017N1LA006
573	F017M2DA033	573	F017M3BA033	575	F017M3TA033	575	F017M4RA033	589	F017N1LA033
573	F017M2DB006	573	F017M3BB006	575	F017M3TB006	575	F017M4RB006	589	F017N1LB006
573	F017M2DB033	573	F017M3BB033	575	F017M3TB033	575	F017M4RB033	589	F017N1LB033
573	F017M2DD006	573	F017M3BD006	575	F017M3TD006	575	F017M4RD006	589	F017N1LD006
573	F017M2DD033	573	F017M3BD033	575	F017M3TD033	575	F017M4RD033	589	F017N1LD033
574	F017M2HA006	573	F017M3CA006	573	F017M4AA006	575	F017M4SA006	590	F017N1QA006
574	F017M2HA033	573	F017M3CA033	573	F017M4AA033	575	F017M4SA033	590	F017N1QA033
574	F017M2HB006	573	F017M3CB006	573	F017M4AB006	575	F017M4SB006	590	F017N1QB006
574	F017M2HB033	573	F017M3CB033	573	F017M4AB033	575	F017M4SB033	590	F017N1QB033
574	F017M2HD006	573	F017M3CD006	573	F017M4AD006	575	F017M4SD006	590	F017N1QD006
574	F017M2HD033	573	F017M3CD033	573	F017M4AD033	575	F017M4SD033	590	F017N1QD033
574	F017M2JA006	573	F017M3DA006	573	F017M4BA006	575	F017M4TA006	590	F017N1RA006
574	F017M2JA033	573	F017M3DA033	573	F017M4BA033	575	F017M4TA033	590	F017N1RA033
574	F017M2JB006	573	F017M3DB006	573	F017M4BB006	575	F017M4TB006	590	F017N1RB006
574	F017M2JB033	573	F017M3DB033	573	F017M4BB033	575	F017M4TB033	590	F017N1RB033
574	F017M2JD006	573	F017M3DD006	573	F017M4BD006	575	F017M4TD006	590	F017N1RD006
574	F017M2JD033	573	F017M3DD033	573	F017M4BD033	575	F017M4TD033	590	F017N1RD033
574	F017M2KA006	574	F017M3HA006	573	F017M4CA006	588	F017N1AA006	590	F017N1SA006
574	F017M2KA033	574	F017M3HA033	573	F017M4CA033	588	F017N1AA033	590	F017N1SA033
574	F017M2KB006	574	F017M3HB006	573	F017M4CB006	588	F017N1AB006	590	F017N1SB006
574	F017M2KB033	574	F017M3HB033	573	F017M4CB033	588	F017N1AB033	590	F017N1SB033
574	F017M2KD006	574	F017M3HD006	573	F017M4CD006	588	F017N1AD006	590	F017N1SD006
574	F017M2KD033	574	F017M3HD033	573	F017M4CD033	588	F017N1AD033	590	F017N1SD033
574	F017M2LA006	574	F017M3JA006	573	F017M4DA006	588	F017N1BA006	590	F017N1TA006
574	F017M2LA033	574	F017M3JA033	573	F017M4DA033	588	F017N1BA033	590	F017N1TA033
574	F017M2LB006	574	F017M3JB006	573	F017M4DB006	588	F017N1BB006	590	F017N1TB006
574	F017M2LB033	574	F017M3JB033	573	F017M4DB033	588	F017N1BB033	590	F017N1TB033
574	F017M2LD006	574	F017M3JD006	573	F017M4DD006	588	F017N1BD006	590	F017N1TD006
574	F017M2LD033	574	F017M3JD033	573	F017M4DD033	588	F017N1BD033	590	F017N1TD033
575	F017M2QA006	574	F017M3KA006	574	F017M4HA006	588	F017N1CA006	588	F017N2AA006
575	F017M2QA033	574	F017M3KA033	574	F017M4HA033	588	F017N1CA033	588	F017N2AA033
575	F017M2QB006	574	F017M3KB006	574	F017M4HB006	588	F017N1CB006	588	F017N2AB006
575	F017M2QB033	574	F017M3KB033	574	F017M4HB033	588	F017N1CB033	588	F017N2AB033
575	F017M2QD006	574	F017M3KD006	574	F017M4HD006	588	F017N1CD006	588	F017N2AD006
575	F017M2QD033	574	F017M3KD033	574	F017M4HD033	588	F017N1CD033	588	F017N2AD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
588	F017N2BA006	590	F017N2TA006	590	F017N3RA006	589	F017N4LA006	592	F017P1JA006
588	F017N2BA033	590	F017N2TA033	590	F017N3RA033	589	F017N4LA033	592	F017P1JA033
588	F017N2BB006	590	F017N2TB006	590	F017N3RB006	589	F017N4LB006	592	F017P1JB006
588	F017N2BB033	590	F017N2TB033	590	F017N3RB033	589	F017N4LB033	592	F017P1JB033
588	F017N2BD006	590	F017N2TD006	590	F017N3RD006	589	F017N4LD006	592	F017P1JD006
588	F017N2BD033	590	F017N2TD033	590	F017N3RD033	589	F017N4LD033	592	F017P1JD033
588	F017N2CA006	588	F017N3AA006	590	F017N3SA006	590	F017N4QA006	592	F017P1KA006
588	F017N2CA033	588	F017N3AA033	590	F017N3SA033	590	F017N4QA033	592	F017P1KA033
588	F017N2CB006	588	F017N3AB006	590	F017N3SB006	590	F017N4QB006	592	F017P1KB006
588	F017N2CB033	588	F017N3AB033	590	F017N3SB033	590	F017N4QB033	592	F017P1KB033
588	F017N2CD006	588	F017N3AD006	590	F017N3SD006	590	F017N4QD006	592	F017P1KD006
588	F017N2CD033	588	F017N3AD033	590	F017N3SD033	590	F017N4QD033	592	F017P1KD033
588	F017N2DA006	588	F017N3BA006	590	F017N3TA006	590	F017N4RA006	592	F017P1LA006
588	F017N2DA033	588	F017N3BA033	590	F017N3TA033	590	F017N4RA033	592	F017P1LA033
588	F017N2DB006	588	F017N3BB006	590	F017N3TB006	590	F017N4RB006	592	F017P1LB006
588	F017N2DB033	588	F017N3BB033	590	F017N3TB033	590	F017N4RB033	592	F017P1LB033
588	F017N2DD006	588	F017N3BD006	590	F017N3TD006	590	F017N4RD006	592	F017P1LD006
588	F017N2DD033	588	F017N3BD033	590	F017N3TD033	590	F017N4RD033	592	F017P1LD033
589	F017N2HA006	588	F017N3CA006	588	F017N4AA006	590	F017N4SA006	593	F017P1QA006
589	F017N2HA033	588	F017N3CA033	588	F017N4AA033	590	F017N4SA033	593	F017P1QA033
589	F017N2HB006	588	F017N3CB006	588	F017N4AB006	590	F017N4SB006	593	F017P1QB006
589	F017N2HB033	588	F017N3CB033	588	F017N4AB033	590	F017N4SB033	593	F017P1QB033
589	F017N2HD006	588	F017N3CD006	588	F017N4AD006	590	F017N4SD006	593	F017P1QD006
589	F017N2HD033	588	F017N3CD033	588	F017N4AD033	590	F017N4SD033	593	F017P1QD033
589	F017N2JA006	588	F017N3DA006	588	F017N4BA006	590	F017N4TA006	593	F017P1RA006
589	F017N2JA033	588	F017N3DA033	588	F017N4BA033	590	F017N4TA033	593	F017P1RA033
589	F017N2JB006	588	F017N3DB006	588	F017N4BB006	590	F017N4TB006	593	F017P1RB006
589	F017N2JB033	588	F017N3DB033	588	F017N4BB033	590	F017N4TB033	593	F017P1RB033
589	F017N2JD006	588	F017N3DD006	588	F017N4BD006	590	F017N4TD006	593	F017P1RD006
589	F017N2JD033	588	F017N3DD033	588	F017N4BD033	590	F017N4TD033	593	F017P1RD033
589	F017N2KA006	589	F017N3HA006	588	F017N4CA006	591	F017P1AA006	593	F017P1SA006
589	F017N2KA033	589	F017N3HA033	588	F017N4CA033	591	F017P1AA033	593	F017P1SA033
589	F017N2KB006	589	F017N3HB006	588	F017N4CB006	591	F017P1AB006	593	F017P1SB006
589	F017N2KB033	589	F017N3HB033	588	F017N4CB033	591	F017P1AB033	593	F017P1SB033
589	F017N2KD006	589	F017N3HD006	588	F017N4CD006	591	F017P1AD006	593	F017P1SD006
589	F017N2KD033	589	F017N3HD033	588	F017N4CD033	591	F017P1AD033	593	F017P1SD033
589	F017N2LA006	589	F017N3JA006	588	F017N4DA006	591	F017P1BA006	593	F017P1TA006
589	F017N2LA033	589	F017N3JA033	588	F017N4DA033	591	F017P1BA033	593	F017P1TA033
589	F017N2LB006	589	F017N3JB006	588	F017N4DB006	591	F017P1BB006	593	F017P1TB006
589	F017N2LB033	589	F017N3JB033	588	F017N4DB033	591	F017P1BB033	593	F017P1TB033
589	F017N2LD006	589	F017N3JD006	588	F017N4DD006	591	F017P1BD006	593	F017P1TD006
589	F017N2LD033	589	F017N3JD033	588	F017N4DD033	591	F017P1BD033	593	F017P1TD033
590	F017N2QA006	589	F017N3KA006	589	F017N4HA006	591	F017P1CA006	591	F017P2AA006
590	F017N2QA033	589	F017N3KA033	589	F017N4HA033	591	F017P1CA033	591	F017P2AA033
590	F017N2QB006	589	F017N3KB006	589	F017N4HB006	591	F017P1CB006	591	F017P2AB006
590	F017N2QB033	589	F017N3KB033	589	F017N4HB033	591	F017P1CB033	591	F017P2AB033
590	F017N2QD006	589	F017N3KD006	589	F017N4HD006	591	F017P1CD006	591	F017P2AD006
590	F017N2QD033	589	F017N3KD033	589	F017N4HD033	591	F017P1CD033	591	F017P2AD033
590	F017N2RA006	589	F017N3LA006	589	F017N4JA006	591	F017P1DA006	591	F017P2BA006
590	F017N2RA033	589	F017N3LA033	589	F017N4JA033	591	F017P1DA033	591	F017P2BA033
590	F017N2RB006	589	F017N3LB006	589	F017N4JB006	591	F017P1DB006	591	F017P2BB006
590	F017N2RB033	589	F017N3LB033	589	F017N4JB033	591	F017P1DB033	591	F017P2BB033
590	F017N2RD006	589	F017N3LD006	589	F017N4JD006	591	F017P1DD006	591	F017P2BD006
590	F017N2RD033	589	F017N3LD033	589	F017N4JD033	591	F017P1DD033	591	F017P2BD033
590	F017N2SA006	590	F017N3QA006	589	F017N4KA006	592	F017P1HA006	591	F017P2CA006
590	F017N2SA033	590	F017N3QA033	589	F017N4KA033	592	F017P1HA033	591	F017P2CA033
590	F017N2SB006	590	F017N3QB006	589	F017N4KB006	592	F017P1HB006	591	F017P2CB006
590	F017N2SB033	590	F017N3QB033	589	F017N4KB033	592	F017P1HB033	591	F017P2CB033
590	F017N2SD006	590	F017N3QD006	589	F017N4KD006	592	F017P1HD006	591	F017P2CD006
590	F017N2SD033	590	F017N3QD033	589	F017N4KD033	592	F017P1HD033	591	F017P2CD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
591	F017P2DA006	591	F017P3BA006	593	F017P3TA006	593	F017P4RA006	595	F017Q1LA006
591	F017P2DA033	591	F017P3BA033	593	F017P3TA033	593	F017P4RA033	595	F017Q1LA033
591	F017P2DB006	591	F017P3BB006	593	F017P3TB006	593	F017P4RB006	595	F017Q1LB006
591	F017P2DB033	591	F017P3BB033	593	F017P3TB033	593	F017P4RB033	595	F017Q1LB033
591	F017P2DD006	591	F017P3BD006	593	F017P3TD006	593	F017P4RD006	595	F017Q1LD006
591	F017P2DD033	591	F017P3BD033	593	F017P3TD033	593	F017P4RD033	595	F017Q1LD033
592	F017P2HA006	591	F017P3CA006	591	F017P4AA006	593	F017P4SA006	596	F017Q1QA006
592	F017P2HA033	591	F017P3CA033	591	F017P4AA033	593	F017P4SA033	596	F017Q1QA033
592	F017P2HB006	591	F017P3CB006	591	F017P4AB006	593	F017P4SB006	596	F017Q1QB006
592	F017P2HB033	591	F017P3CB033	591	F017P4AB033	593	F017P4SB033	596	F017Q1QB033
592	F017P2HD006	591	F017P3CD006	591	F017P4AD006	593	F017P4SD006	596	F017Q1QD006
592	F017P2HD033	591	F017P3CD033	591	F017P4AD033	593	F017P4SD033	596	F017Q1QD033
592	F017P2JA006	591	F017P3DA006	591	F017P4BA006	593	F017P4TA006	596	F017Q1RA006
592	F017P2JA033	591	F017P3DA033	591	F017P4BA033	593	F017P4TA033	596	F017Q1RA033
592	F017P2JB006	591	F017P3DB006	591	F017P4BB006	593	F017P4TB006	596	F017Q1RB006
592	F017P2JB033	591	F017P3DB033	591	F017P4BB033	593	F017P4TB033	596	F017Q1RB033
592	F017P2JD006	591	F017P3DD006	591	F017P4BD006	593	F017P4TD006	596	F017Q1RD006
592	F017P2JD033	591	F017P3DD033	591	F017P4BD033	593	F017P4TD033	596	F017Q1RD033
592	F017P2KA006	592	F017P3HA006	591	F017P4CA006	594	F017Q1AA006	596	F017Q1SA006
592	F017P2KA033	592	F017P3HA033	591	F017P4CA033	594	F017Q1AA033	596	F017Q1SA033
592	F017P2KB006	592	F017P3HB006	591	F017P4CB006	594	F017Q1AB006	596	F017Q1SB006
592	F017P2KB033	592	F017P3HB033	591	F017P4CB033	594	F017Q1AB033	596	F017Q1SB033
592	F017P2KD006	592	F017P3HD006	591	F017P4CD006	594	F017Q1AD006	596	F017Q1SD006
592	F017P2KD033	592	F017P3HD033	591	F017P4CD033	594	F017Q1AD033	596	F017Q1SD033
592	F017P2LA006	592	F017P3JA006	591	F017P4DA006	594	F017Q1BA006	596	F017Q1TA006
592	F017P2LA033	592	F017P3JA033	591	F017P4DA033	594	F017Q1BA033	596	F017Q1TA033
592	F017P2LB006	592	F017P3JB006	591	F017P4DB006	594	F017Q1BB006	596	F017Q1TB006
592	F017P2LB033	592	F017P3JB033	591	F017P4DB033	594	F017Q1BB033	596	F017Q1TB033
592	F017P2LD006	592	F017P3JD006	591	F017P4DD006	594	F017Q1BD006	596	F017Q1TD006
592	F017P2LD033	592	F017P3JD033	591	F017P4DD033	594	F017Q1BD033	596	F017Q1TD033
593	F017P2QA006	592	F017P3KA006	592	F017P4HA006	594	F017Q1CA006	594	F017Q2AA006
593	F017P2QA033	592	F017P3KA033	592	F017P4HA033	594	F017Q1CA033	594	F017Q2AA033
593	F017P2QB006	592	F017P3KB006	592	F017P4HB006	594	F017Q1CB006	594	F017Q2AB006
593	F017P2QB033	592	F017P3KB033	592	F017P4HB033	594	F017Q1CB033	594	F017Q2AB033
593	F017P2QD006	592	F017P3KD006	592	F017P4HD006	594	F017Q1CD006	594	F017Q2AD006
593	F017P2QD033	592	F017P3KD033	592	F017P4HD033	594	F017Q1CD033	594	F017Q2AD033
593	F017P2RA006	592	F017P3LA006	592	F017P4JA006	594	F017Q1DA006	594	F017Q2BA006
593	F017P2RA033	592	F017P3LA033	592	F017P4JA033	594	F017Q1DA033	594	F017Q2BA033
593	F017P2RB006	592	F017P3LB006	592	F017P4JB006	594	F017Q1DB006	594	F017Q2BB006
593	F017P2RB033	592	F017P3LB033	592	F017P4JB033	594	F017Q1DB033	594	F017Q2BB033
593	F017P2RD006	592	F017P3LD006	592	F017P4JD006	594	F017Q1DD006	594	F017Q2BD006
593	F017P2RD033	592	F017P3LD033	592	F017P4JD033	594	F017Q1DD033	594	F017Q2BD033
593	F017P2SA006	593	F017P3QA006	592	F017P4KA006	595	F017Q1HA006	594	F017Q2CA006
593	F017P2SA033	593	F017P3QA033	592	F017P4KA033	595	F017Q1HA033	594	F017Q2CA033
593	F017P2SB006	593	F017P3QB006	592	F017P4KB006	595	F017Q1HB006	594	F017Q2CB006
593	F017P2SB033	593	F017P3QB033	592	F017P4KB033	595	F017Q1HB033	594	F017Q2CB033
593	F017P2SD006	593	F017P3QD006	592	F017P4KD006	595	F017Q1HD006	594	F017Q2CD006
593	F017P2SD033	593	F017P3QD033	592	F017P4KD033	595	F017Q1HD033	594	F017Q2CD033
593	F017P2TA006	593	F017P3RA006	592	F017P4LA006	595	F017Q1JA006	594	F017Q2DA006
593	F017P2TA033	593	F017P3RA033	592	F017P4LA033	595	F017Q1JA033	594	F017Q2DA033
593	F017P2TB006	593	F017P3RB006	592	F017P4LB006	595	F017Q1JB006	594	F017Q2DB006
593	F017P2TB033	593	F017P3RB033	592	F017P4LB033	595	F017Q1JB033	594	F017Q2DB033
593	F017P2TD006	593	F017P3RD006	592	F017P4LD006	595	F017Q1JD006	594	F017Q2DD006
593	F017P2TD033	593	F017P3RD033	592	F017P4LD033	595	F017Q1JD033	594	F017Q2DD033
591	F017P3AA006	593	F017P3SA006	593	F017P4QA006	595	F017Q1KA006	595	F017Q2HA006
591	F017P3AA033	593	F017P3SA033	593	F017P4QA033	595	F017Q1KA033	595	F017Q2HA033
591	F017P3AB006	593	F017P3SB006	593	F017P4QB006	595	F017Q1KB006	595	F017Q2HB006
591	F017P3AB033	593	F017P3SB033	593	F017P4QB033	595	F017Q1KB033	595	F017Q2HB033
591	F017P3AD006	593	F017P3SD006	593	F017P4QD006	595	F017Q1KD006	595	F017Q2HD006
591	F017P3AD033	593	F017P3SD033	593	F017P4QD033	595	F017Q1KD033	595	F017Q2HD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
595	F017Q2JA006	594	F017Q3DA006	594	F017Q4BA006	596	F017Q4TA006	599	F017R1RA006
595	F017Q2JA033	594	F017Q3DA033	594	F017Q4BA033	596	F017Q4TA033	599	F017R1RA033
595	F017Q2JB006	594	F017Q3DB006	594	F017Q4BB006	596	F017Q4TB006	599	F017R1RB006
595	F017Q2JB033	594	F017Q3DB033	594	F017Q4BB033	596	F017Q4TB033	599	F017R1RB033
595	F017Q2JD006	594	F017Q3DD006	594	F017Q4BD006	596	F017Q4TD006	599	F017R1RD006
595	F017Q2JD033	594	F017Q3DD033	594	F017Q4BD033	596	F017Q4TD033	599	F017R1RD033
595	F017Q2KA006	595	F017Q3HA006	594	F017Q4CA006	597	F017R1AA006	599	F017R1SA006
595	F017Q2KA033	595	F017Q3HA033	594	F017Q4CA033	597	F017R1AA033	599	F017R1SA033
595	F017Q2KB006	595	F017Q3HB006	594	F017Q4CB006	597	F017R1AB006	599	F017R1SB006
595	F017Q2KB033	595	F017Q3HB033	594	F017Q4CB033	597	F017R1AB033	599	F017R1SB033
595	F017Q2KD006	595	F017Q3HD006	594	F017Q4CD006	597	F017R1AD006	599	F017R1SD006
595	F017Q2KD033	595	F017Q3HD033	594	F017Q4CD033	597	F017R1AD033	599	F017R1SD033
595	F017Q2LA006	595	F017Q3JA006	594	F017Q4DA006	597	F017R1BA006	599	F017R1TA006
595	F017Q2LA033	595	F017Q3JA033	594	F017Q4DA033	597	F017R1BA033	599	F017R1TA033
595	F017Q2LB006	595	F017Q3JB006	594	F017Q4DB006	597	F017R1BB006	599	F017R1TB006
595	F017Q2LB033	595	F017Q3JB033	594	F017Q4DB033	597	F017R1BB033	599	F017R1TB033
595	F017Q2LD006	595	F017Q3JD006	594	F017Q4DD006	597	F017R1BD006	599	F017R1TD006
595	F017Q2LD033	595	F017Q3JD033	594	F017Q4DD033	597	F017R1BD033	599	F017R1TD033
596	F017Q2QA006	595	F017Q3KA006	595	F017Q4HA006	597	F017R1CA006	597	F017R2AA006
596	F017Q2QA033	595	F017Q3KA033	595	F017Q4HA033	597	F017R1CA033	597	F017R2AA033
596	F017Q2QB006	595	F017Q3KB006	595	F017Q4HB006	597	F017R1CB006	597	F017R2AB006
596	F017Q2QB033	595	F017Q3KB033	595	F017Q4HB033	597	F017R1CB033	597	F017R2AB033
596	F017Q2QD006	595	F017Q3KD006	595	F017Q4HD006	597	F017R1CD006	597	F017R2AD006
596	F017Q2QD033	595	F017Q3KD033	595	F017Q4HD033	597	F017R1CD033	597	F017R2AD033
596	F017Q2RA006	595	F017Q3LA006	595	F017Q4JA006	597	F017R1DA006	597	F017R2BA006
596	F017Q2RA033	595	F017Q3LA033	595	F017Q4JA033	597	F017R1DA033	597	F017R2BA033
596	F017Q2RB006	595	F017Q3LB006	595	F017Q4JB006	597	F017R1DB006	597	F017R2BB006
596	F017Q2RB033	595	F017Q3LB033	595	F017Q4JB033	597	F017R1DB033	597	F017R2BB033
596	F017Q2RD006	595	F017Q3LD006	595	F017Q4JD006	597	F017R1DD006	597	F017R2BD006
596	F017Q2RD033	595	F017Q3LD033	595	F017Q4JD033	597	F017R1DD033	597	F017R2BD033
596	F017Q2SA006	596	F017Q3QA006	595	F017Q4KA006	598	F017R1HA006	597	F017R2CA006
596	F017Q2SA033	596	F017Q3QA033	595	F017Q4KA033	598	F017R1HA033	597	F017R2CA033
596	F017Q2SB006	596	F017Q3QB006	595	F017Q4KB006	598	F017R1HB006	597	F017R2CB006
596	F017Q2SB033	596	F017Q3QB033	595	F017Q4KB033	598	F017R1HB033	597	F017R2CB033
596	F017Q2SD006	596	F017Q3QD006	595	F017Q4KD006	598	F017R1HD006	597	F017R2CD006
596	F017Q2SD033	596	F017Q3QD033	595	F017Q4KD033	598	F017R1HD033	597	F017R2CD033
596	F017Q2TA006	596	F017Q3RA006	595	F017Q4LA006	598	F017R1JA006	597	F017R2DA006
596	F017Q2TA033	596	F017Q3RA033	595	F017Q4LA033	598	F017R1JA033	597	F017R2DA033
596	F017Q2TB006	596	F017Q3RB006	595	F017Q4LB006	598	F017R1JB006	597	F017R2DB006
596	F017Q2TB033	596	F017Q3RB033	595	F017Q4LB033	598	F017R1JB033	597	F017R2DB033
596	F017Q2TD006	596	F017Q3RD006	595	F017Q4LD006	598	F017R1JD006	597	F017R2DD006
596	F017Q2TD033	596	F017Q3RD033	595	F017Q4LD033	598	F017R1JD033	597	F017R2DD033
594	F017Q3AA006	596	F017Q3SA006	596	F017Q4QA006	598	F017R1KA006	598	F017R2HA006
594	F017Q3AA033	596	F017Q3SA033	596	F017Q4QA033	598	F017R1KA033	598	F017R2HA033
594	F017Q3AB006	596	F017Q3SB006	596	F017Q4QB006	598	F017R1KB006	598	F017R2HB006
594	F017Q3AB033	596	F017Q3SB033	596	F017Q4QB033	598	F017R1KB033	598	F017R2HB033
594	F017Q3AD006	596	F017Q3SD006	596	F017Q4QD006	598	F017R1KD006	598	F017R2HD006
594	F017Q3AD033	596	F017Q3SD033	596	F017Q4QD033	598	F017R1KD033	598	F017R2HD033
594	F017Q3BA006	596	F017Q3TA006	596	F017Q4RA006	598	F017R1LA006	598	F017R2JA006
594	F017Q3BA033	596	F017Q3TA033	596	F017Q4RA033	598	F017R1LA033	598	F017R2JA033
594	F017Q3BB006	596	F017Q3TB006	596	F017Q4RB006	598	F017R1LB006	598	F017R2JB006
594	F017Q3BB033	596	F017Q3TB033	596	F017Q4RB033	598	F017R1LB033	598	F017R2JB033
594	F017Q3BD006	596	F017Q3TD006	596	F017Q4RD006	598	F017R1LD006	598	F017R2JD006
594	F017Q3BD033	596	F017Q3TD033	596	F017Q4RD033	598	F017R1LD033	598	F017R2JD033
594	F017Q3CA006	594	F017Q4AA006	596	F017Q4SA006	599	F017R1QA006	598	F017R2KA006
594	F017Q3CA033	594	F017Q4AA033	596	F017Q4SA033	599	F017R1QA033	598	F017R2KA033
594	F017Q3CB006	594	F017Q4AB006	596	F017Q4SB006	599	F017R1QB006	598	F017R2KB006
594	F017Q3CB033	594	F017Q4AB033	596	F017Q4SB033	599	F017R1QB033	598	F017R2KB033
594	F017Q3CD006	594	F017Q4AD006	596	F017Q4SD006	599	F017R1QD006	598	F017R2KD006
594	F017Q3CD033	594	F017Q4AD033	596	F017Q4SD033	599	F017R1QD033	598	F017R2KD033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
598	F017R2LA006	598	F017R3JA006	597	F017R4DA006	600	F017Z130000	193	F018A22D001
598	F017R2LA033	598	F017R3JA033	597	F017R4DA033	600	F017Z140000	193	F018A22D012
598	F017R2LB006	598	F017R3JB006	597	F017R4DB006	602	F017Z210000	193	F018A22D013
598	F017R2LB033	598	F017R3JB033	597	F017R4DB033	602	F017Z211000	193	F018A22D018
598	F017R2LD006	598	F017R3JD006	597	F017R4DD006	602	F017Z220000	193	F018A22D025
598	F017R2LD033	598	F017R3JD033	597	F017R4DD033	602	F017Z221000	193	F018A22D030
599	F017R2QA006	598	F017R3KA006	598	F017R4HA006	602	F017Z230000	193	F018A22D033
599	F017R2QA033	598	F017R3KA033	598	F017R4HA033	602	F017Z231000	193	F018A23A001
599	F017R2QB006	598	F017R3KB006	598	F017R4HB006	602	F017Z240000	193	F018A23A012
599	F017R2QB033	598	F017R3KB033	598	F017R4HB033	602	F017Z241000	193	F018A23A013
599	F017R2QD006	598	F017R3KD006	598	F017R4HD006	602	F017Z490000	193	F018A23A018
599	F017R2QD033	598	F017R3KD033	598	F017R4HD033	602	F017Z530000	193	F018A23A025
599	F017R2RA006	598	F017R3LA006	598	F017R4JA006	602	F017Z531000	193	F018A23A030
599	F017R2RA033	598	F017R3LA033	598	F017R4JA033	600	F017Z550006	193	F018A23A033
599	F017R2RB006	598	F017R3LB006	598	F017R4JB006	600	F017Z550033	193	F018A23B001
599	F017R2RB033	598	F017R3LB033	598	F017R4JB033	600	F017Z560006	193	F018A23B012
599	F017R2RD006	598	F017R3LD006	598	F017R4JD006	600	F017Z560033	193	F018A23B013
599	F017R2RD033	598	F017R3LD033	598	F017R4JD033	600	F017Z610000	193	F018A23B018
599	F017R2SA006	599	F017R3QA006	598	F017R4KA006	600	F017Z620000	193	F018A23B025
599	F017R2SA033	599	F017R3QA033	598	F017R4KA033	600	F017Z630000	193	F018A23B030
599	F017R2SB006	599	F017R3QB006	598	F017R4KB006	600	F017Z640000	193	F018A23B033
599	F017R2SB033	599	F017R3QB033	598	F017R4KB033	600	F017Z710000	193	F018A23D001
599	F017R2SD006	599	F017R3QD006	598	F017R4KD006	600	F017Z720000	193	F018A23D012
599	F017R2SD033	599	F017R3QD033	598	F017R4KD033	600	F017Z730000	193	F018A23D013
599	F017R2TA006	599	F017R3RA006	598	F017R4LA006	600	F017Z740000	193	F018A23D018
599	F017R2TA033	599	F017R3RA033	598	F017R4LA033	192	F018A21A001	193	F018A23D025
599	F017R2TB006	599	F017R3RB006	598	F017R4LB006	192	F018A21A012	193	F018A23D030
599	F017R2TB033	599	F017R3RB033	598	F017R4LB033	192	F018A21A013	193	F018A23D033
599	F017R2TD006	599	F017R3RD006	598	F017R4LD006	192	F018A21A018	192	F018A31A001
599	F017R2TD033	599	F017R3RD033	598	F017R4LD033	192	F018A21A025	192	F018A31A012
597	F017R3AA006	599	F017R3SA006	599	F017R4QA006	192	F018A21A030	192	F018A31A013
597	F017R3AA033	599	F017R3SA033	599	F017R4QA033	192	F018A21A033	192	F018A31A018
597	F017R3AB006	599	F017R3SB006	599	F017R4QB006	192	F018A21B001	192	F018A31A025
597	F017R3AB033	599	F017R3SB033	599	F017R4QB033	192	F018A21B012	192	F018A31A030
597	F017R3AD006	599	F017R3SD006	599	F017R4QD006	192	F018A21B013	192	F018A31A033
597	F017R3AD033	599	F017R3SD033	599	F017R4QD033	192	F018A21B018	192	F018A31B001
597	F017R3BA006	599	F017R3TA006	599	F017R4RA006	192	F018A21B025	192	F018A31B012
597	F017R3BA033	599	F017R3TA033	599	F017R4RA033	192	F018A21B030	192	F018A31B013
597	F017R3BB006	599	F017R3TB006	599	F017R4RB006	192	F018A21B033	192	F018A31B018
597	F017R3BB033	599	F017R3TB033	599	F017R4RB033	192	F018A21D001	192	F018A31B025
597	F017R3BD006	599	F017R3TD006	599	F017R4RD006	192	F018A21D012	192	F018A31B030
597	F017R3BD033	599	F017R3TD033	599	F017R4RD033	192	F018A21D013	192	F018A31B033
597	F017R3CA006	597	F017R4AA006	599	F017R4SA006	192	F018A21D018	192	F018A31D001
597	F017R3CA033	597	F017R4AA033	599	F017R4SA033	192	F018A21D025	192	F018A31D012
597	F017R3CB006	597	F017R4AB006	599	F017R4SB006	192	F018A21D030	192	F018A31D013
597	F017R3CB033	597	F017R4AB033	599	F017R4SB033	192	F018A21D033	192	F018A31D018
597	F017R3CD006	597	F017R4AD006	599	F017R4SD006	193	F018A22A001	192	F018A31D025
597	F017R3CD033	597	F017R4AD033	599	F017R4SD033	193	F018A22A012	192	F018A31D030
597	F017R3DA006	597	F017R4BA006	599	F017R4TA006	193	F018A22A013	192	F018A31D033
597	F017R3DA033	597	F017R4BA033	599	F017R4TA033	193	F018A22A018	193	F018A32A001
597	F017R3DB006	597	F017R4BB006	599	F017R4TB006	193	F018A22A025	193	F018A32A012
597	F017R3DB033	597	F017R4BB033	599	F017R4TB033	193	F018A22A030	193	F018A32A013
597	F017R3DD006	597	F017R4BD006	599	F017R4TD006	193	F018A22A033	193	F018A32A018
597	F017R3DD033	597	F017R4BD033	599	F017R4TD033	193	F018A22B001	193	F018A32A025
598	F017R3HA006	597	F017R4CA006	600	F017Z010000	193	F018A22B012	193	F018A32A030
598	F017R3HA033	597	F017R4CA033	600	F017Z020000	193	F018A22B013	193	F018A32A033
598	F017R3HB006	597	F017R4CB006	600	F017Z030000	193	F018A22B018	193	F018A32B001
598	F017R3HB033	597	F017R4CB033	600	F017Z040000	193	F018A22B025	193	F018A32B012
598	F017R3HD006	597	F017R4CD006	600	F017Z110000	193	F018A22B030	193	F018A32B013
598	F017R3HD033	597	F017R4CD033	600	F017Z120000	193	F018A22B033	193	F018A32B018

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
193	F018A32B025	194	F018B32B012	195	F018D25A030	196	F018F21B013	196	F018F32A033
193	F018A32B030	194	F018B32B013	195	F018D25A033	196	F018F21B018	196	F018F32B001
193	F018A32B033	194	F018B32B018	195	F018D25B001	196	F018F21B025	196	F018F32B012
193	F018A32D001	194	F018B32B025	195	F018D25B012	196	F018F21B030	196	F018F32B013
193	F018A32D012	194	F018B32B030	195	F018D25B013	196	F018F21B033	196	F018F32B018
193	F018A32D013	194	F018B32B033	195	F018D25B018	196	F018F21D001	196	F018F32B025
193	F018A32D018	194	F018B32D001	195	F018D25B025	196	F018F21D012	196	F018F32B030
193	F018A32D025	194	F018B32D012	195	F018D25B030	196	F018F21D013	196	F018F32B033
193	F018A32D030	194	F018B32D013	195	F018D25B033	196	F018F21D018	196	F018F32D001
193	F018A32D033	194	F018B32D018	195	F018D25D001	196	F018F21D025	196	F018F32D012
193	F018A33A001	194	F018B32D025	195	F018D25D012	196	F018F21D030	196	F018F32D013
193	F018A33A012	194	F018B32D030	195	F018D25D013	196	F018F21D033	196	F018F32D018
193	F018A33A013	194	F018B32D033	195	F018D25D018	196	F018F22A001	196	F018F32D025
193	F018A33A018	194	F018C25A001	195	F018D25D025	196	F018F22A012	196	F018F32D030
193	F018A33A025	194	F018C25A012	195	F018D25D030	196	F018F22A013	196	F018F32D033
193	F018A33A030	194	F018C25A013	195	F018D25D033	196	F018F22A018	197	F018Z000000
193	F018A33A033	194	F018C25A018	195	F018D35A001	196	F018F22A025	280	F019A21D001
193	F018A33B001	194	F018C25A025	195	F018D35A012	196	F018F22A030	280	F019A21D006
193	F018A33B012	194	F018C25A030	195	F018D35A013	196	F018F22A033	280	F019A21D012
193	F018A33B013	194	F018C25A033	195	F018D35A018	196	F018F22B001	280	F019A21D018
193	F018A33B018	194	F018C25B001	195	F018D35A025	196	F018F22B012	280	F019A21D030
193	F018A33B025	194	F018C25B012	195	F018D35A030	196	F018F22B013	280	F019A21D033
193	F018A33B030	194	F018C25B013	195	F018D35A033	196	F018F22B018	280	F019A22D001
193	F018A33B033	194	F018C25B018	195	F018D35B001	196	F018F22B025	280	F019A22D006
193	F018A33D001	194	F018C25B025	195	F018D35B012	196	F018F22B030	280	F019A22D012
193	F018A33D012	194	F018C25B030	195	F018D35B013	196	F018F22B033	280	F019A22D018
193	F018A33D013	194	F018C25B033	195	F018D35B018	196	F018F22D001	280	F019A22D030
193	F018A33D018	194	F018C25D001	195	F018D35B025	196	F018F22D012	280	F019A22D033
193	F018A33D025	194	F018C25D012	195	F018D35B030	196	F018F22D013	282	F019A23D001
193	F018A33D030	194	F018C25D013	195	F018D35B033	196	F018F22D018	282	F019A23D006
193	F018A33D033	194	F018C25D018	195	F018D35D001	196	F018F22D025	282	F019A23D012
194	F018B22A001	194	F018C25D025	195	F018D35D012	196	F018F22D030	282	F019A23D018
194	F018B22A012	194	F018C25D030	195	F018D35D013	196	F018F22D033	282	F019A23D030
194	F018B22A013	194	F018C25D033	195	F018D35D018	196	F018F31A001	282	F019A23D033
194	F018B22A018	194	F018C35A001	195	F018D35D025	196	F018F31A012	280	F019A31D001
194	F018B22A025	194	F018C35A012	195	F018D35D030	196	F018F31A013	280	F019A31D006
194	F018B22A030	194	F018C35A013	195	F018D35D033	196	F018F31A018	280	F019A31D012
194	F018B22A033	194	F018C35A018	192	F018E21K001	196	F018F31A025	280	F019A31D018
194	F018B22B001	194	F018C35A025	192	F018E21K012	196	F018F31A030	280	F019A31D030
194	F018B22B012	194	F018C35A030	192	F018E21K013	196	F018F31A033	280	F019A31D033
194	F018B22B013	194	F018C35A033	192	F018E21K018	196	F018F31B001	280	F019A32D001
194	F018B22B018	194	F018C35B001	192	F018E21K025	196	F018F31B012	280	F019A32D006
194	F018B22B025	194	F018C35B012	192	F018E21K030	196	F018F31B013	280	F019A32D012
194	F018B22B030	194	F018C35B013	192	F018E21K033	196	F018F31B018	280	F019A32D018
194	F018B22B033	194	F018C35B018	192	F018E31K001	196	F018F31B025	280	F019A32D030
194	F018B22D001	194	F018C35B025	192	F018E31K012	196	F018F31B030	280	F019A32D033
194	F018B22D012	194	F018C35B030	192	F018E31K013	196	F018F31B033	282	F019A33D001
194	F018B22D013	194	F018C35B033	192	F018E31K018	196	F018F31D001	282	F019A33D006
194	F018B22D018	194	F018C35D001	192	F018E31K025	196	F018F31D012	282	F019A33D012
194	F018B22D025	194	F018C35D012	192	F018E31K030	196	F018F31D013	282	F019A33D018
194	F018B22D030	194	F018C35D013	192	F018E31K033	196	F018F31D018	282	F019A33D030
194	F018B22D033	194	F018C35D018	196	F018F21A001	196	F018F31D025	282	F019A33D033
194	F018B32A001	194	F018C35D025	196	F018F21A012	196	F018F31D030	280	F019A41D001
194	F018B32A012	194	F018C35D030	196	F018F21A013	196	F018F31D033	280	F019A41D006
194	F018B32A013	194	F018C35D033	196	F018F21A018	196	F018F32A001	280	F019A41D012
194	F018B32A018	195	F018D25A001	196	F018F21A025	196	F018F32A012	280	F019A41D018
194	F018B32A025	195	F018D25A012	196	F018F21A030	196	F018F32A013	280	F019A41D030
194	F018B32A030	195	F018D25A013	196	F018F21A033	196	F018F32A018	280	F019A41D033
194	F018B32A033	195	F018D25A018	196	F018F21B001	196	F018F32A025	280	F019A42D001
194	F018B32B001	195	F018D25A025	196	F018F21B012	196	F018F32A030	280	F019A42D006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
280	F019A42D012	283	F019B43D012	615	F020A1BH012	619	F020A1MH012	615	F020A2BH012
280	F019A42D018	283	F019B43D018	615	F020A1BH018	619	F020A1MH018	615	F020A2BH018
280	F019A42D030	283	F019B43D030	615	F020A1BH030	619	F020A1MH030	615	F020A2BH030
280	F019A42D033	283	F019B43D033	615	F020A1BH033	619	F020A1MH033	615	F020A2BH033
282	F019A43D001	612	F020A11H001	617	F020A1CH001	612	F020A21H001	617	F020A2CH001
282	F019A43D006	612	F020A11H006	617	F020A1CH006	612	F020A21H006	617	F020A2CH006
282	F019A43D012	612	F020A11H012	617	F020A1CH012	612	F020A21H012	617	F020A2CH012
282	F019A43D018	612	F020A11H018	617	F020A1CH018	612	F020A21H018	617	F020A2CH018
282	F019A43D030	612	F020A11H030	617	F020A1CH030	612	F020A21H030	617	F020A2CH030
282	F019A43D033	612	F020A11H033	617	F020A1CH033	612	F020A21H033	617	F020A2CH033
281	F019B21D001	614	F020A12H001	619	F020A1DH001	614	F020A22H001	619	F020A2DH001
281	F019B21D006	614	F020A12H006	619	F020A1DH006	614	F020A22H006	619	F020A2DH006
281	F019B21D012	614	F020A12H012	619	F020A1DH012	614	F020A22H012	619	F020A2DH012
281	F019B21D018	614	F020A12H018	619	F020A1DH018	614	F020A22H018	619	F020A2DH018
281	F019B21D030	614	F020A12H030	619	F020A1DH030	614	F020A22H030	619	F020A2DH030
281	F019B21D033	614	F020A12H033	619	F020A1DH033	614	F020A22H033	619	F020A2DH033
281	F019B22D001	616	F020A13H001	613	F020A1EH001	616	F020A23H001	613	F020A2EH001
281	F019B22D006	616	F020A13H006	613	F020A1EH006	616	F020A23H006	613	F020A2EH006
281	F019B22D012	616	F020A13H012	613	F020A1EH012	616	F020A23H012	613	F020A2EH012
281	F019B22D018	616	F020A13H018	613	F020A1EH018	616	F020A23H018	613	F020A2EH018
281	F019B22D030	616	F020A13H030	613	F020A1EH030	616	F020A23H030	613	F020A2EH030
281	F019B22D033	616	F020A13H033	613	F020A1EH033	616	F020A23H033	613	F020A2EH033
283	F019B23D001	618	F020A14H001	615	F020A1FH001	618	F020A24H001	615	F020A2FH001
283	F019B23D006	618	F020A14H006	615	F020A1FH006	618	F020A24H006	615	F020A2FH006
283	F019B23D012	618	F020A14H012	615	F020A1FH012	618	F020A24H012	615	F020A2FH012
283	F019B23D018	618	F020A14H018	615	F020A1FH018	618	F020A24H018	615	F020A2FH018
283	F019B23D030	618	F020A14H030	615	F020A1FH030	618	F020A24H030	615	F020A2FH030
283	F019B23D033	618	F020A14H033	615	F020A1FH033	618	F020A24H033	615	F020A2FH033
281	F019B31D001	612	F020A15H001	617	F020A1GH001	612	F020A25H001	617	F020A2GH001
281	F019B31D006	612	F020A15H006	617	F020A1GH006	612	F020A25H006	617	F020A2GH006
281	F019B31D012	612	F020A15H012	617	F020A1GH012	612	F020A25H012	617	F020A2GH012
281	F019B31D018	612	F020A15H018	617	F020A1GH018	612	F020A25H018	617	F020A2GH018
281	F019B31D030	612	F020A15H030	617	F020A1GH030	612	F020A25H030	617	F020A2GH030
281	F019B31D033	612	F020A15H033	617	F020A1GH033	612	F020A25H033	617	F020A2GH033
281	F019B32D001	614	F020A16H001	619	F020A1HH001	614	F020A26H001	619	F020A2HH001
281	F019B32D006	614	F020A16H006	619	F020A1HH006	614	F020A26H006	619	F020A2HH006
281	F019B32D012	614	F020A16H012	619	F020A1HH012	614	F020A26H012	619	F020A2HH012
281	F019B32D018	614	F020A16H018	619	F020A1HH018	614	F020A26H018	619	F020A2HH018
281	F019B32D030	614	F020A16H030	619	F020A1HH030	614	F020A26H030	619	F020A2HH030
281	F019B32D033	614	F020A16H033	619	F020A1HH033	614	F020A26H033	619	F020A2HH033
283	F019B33D001	616	F020A17H001	613	F020A1JH001	616	F020A27H001	613	F020A2JH001
283	F019B33D006	616	F020A17H006	613	F020A1JH006	616	F020A27H006	613	F020A2JH006
283	F019B33D012	616	F020A17H012	613	F020A1JH012	616	F020A27H012	613	F020A2JH012
283	F019B33D018	616	F020A17H018	613	F020A1JH018	616	F020A27H018	613	F020A2JH018
283	F019B33D030	616	F020A17H030	613	F020A1JH030	616	F020A27H030	613	F020A2JH030
283	F019B33D033	616	F020A17H033	613	F020A1JH033	616	F020A27H033	613	F020A2JH033
281	F019B41D001	618	F020A18H001	615	F020A1KH001	618	F020A28H001	615	F020A2KH001
281	F019B41D006	618	F020A18H006	615	F020A1KH006	618	F020A28H006	615	F020A2KH006
281	F019B41D012	618	F020A18H012	615	F020A1KH012	618	F020A28H012	615	F020A2KH012
281	F019B41D018	618	F020A18H018	615	F020A1KH018	618	F020A28H018	615	F020A2KH018
281	F019B41D030	618	F020A18H030	615	F020A1KH030	618	F020A28H030	615	F020A2KH030
281	F019B41D033	618	F020A18H033	615	F020A1KH033	618	F020A28H033	615	F020A2KH033
281	F019B42D001	612	F020A1AH001	617	F020A1LH001	612	F020A2AH001	617	F020A2LH001
281	F019B42D006	612	F020A1AH006	617	F020A1LH006	612	F020A2AH006	617	F020A2LH006
281	F019B42D012	612	F020A1AH012	617	F020A1LH012	612	F020A2AH012	617	F020A2LH012
281	F019B42D018	612	F020A1AH018	617	F020A1LH018	612	F020A2AH018	617	F020A2LH018
281	F019B42D030	612	F020A1AH030	617	F020A1LH030	612	F020A2AH030	617	F020A2LH030
281	F019B42D033	612	F020A1AH033	617	F020A1LH033	612	F020A2AH033	617	F020A2LH033
283	F019B43D001	615	F020A1BH001	619	F020A1MH001	615	F020A2BH001	619	F020A2MH001
283	F019B43D006	615	F020A1BH006	619	F020A1MH006	615	F020A2BH006	619	F020A2MH006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
619	F020A2MH012	615	F020A3BH012	619	F020A3MH012	615	F020A4BH012	619	F020A4MH012
619	F020A2MH018	615	F020A3BH018	619	F020A3MH018	615	F020A4BH018	619	F020A4MH018
619	F020A2MH030	615	F020A3BH030	619	F020A3MH030	615	F020A4BH030	619	F020A4MH030
619	F020A2MH033	615	F020A3BH033	619	F020A3MH033	615	F020A4BH033	619	F020A4MH033
612	F020A31H001	617	F020A3CH001	612	F020A41H001	617	F020A4CH001	612	F020B11H001
612	F020A31H006	617	F020A3CH006	612	F020A41H006	617	F020A4CH006	612	F020B11H006
612	F020A31H012	617	F020A3CH012	612	F020A41H012	617	F020A4CH012	612	F020B11H012
612	F020A31H018	617	F020A3CH018	612	F020A41H018	617	F020A4CH018	612	F020B11H018
612	F020A31H030	617	F020A3CH030	612	F020A41H030	617	F020A4CH030	612	F020B11H030
612	F020A31H033	617	F020A3CH033	612	F020A41H033	617	F020A4CH033	612	F020B11H033
614	F020A32H001	619	F020A3DH001	614	F020A42H001	619	F020A4DH001	614	F020B12H001
614	F020A32H006	619	F020A3DH006	614	F020A42H006	619	F020A4DH006	614	F020B12H006
614	F020A32H012	619	F020A3DH012	614	F020A42H012	619	F020A4DH012	614	F020B12H012
614	F020A32H018	619	F020A3DH018	614	F020A42H018	619	F020A4DH018	614	F020B12H018
614	F020A32H030	619	F020A3DH030	614	F020A42H030	619	F020A4DH030	614	F020B12H030
614	F020A32H033	619	F020A3DH033	614	F020A42H033	619	F020A4DH033	614	F020B12H033
616	F020A33H001	613	F020A3EH001	616	F020A43H001	613	F020A4EH001	616	F020B13H001
616	F020A33H006	613	F020A3EH006	616	F020A43H006	613	F020A4EH006	616	F020B13H006
616	F020A33H012	613	F020A3EH012	616	F020A43H012	613	F020A4EH012	616	F020B13H012
616	F020A33H018	613	F020A3EH018	616	F020A43H018	613	F020A4EH018	616	F020B13H018
616	F020A33H030	613	F020A3EH030	616	F020A43H030	613	F020A4EH030	616	F020B13H030
616	F020A33H033	613	F020A3EH033	616	F020A43H033	613	F020A4EH033	616	F020B13H033
618	F020A34H001	615	F020A3FH001	618	F020A44H001	615	F020A4FH001	618	F020B14H001
618	F020A34H006	615	F020A3FH006	618	F020A44H006	615	F020A4FH006	618	F020B14H006
618	F020A34H012	615	F020A3FH012	618	F020A44H012	615	F020A4FH012	618	F020B14H012
618	F020A34H018	615	F020A3FH018	618	F020A44H018	615	F020A4FH018	618	F020B14H018
618	F020A34H030	615	F020A3FH030	618	F020A44H030	615	F020A4FH030	618	F020B14H030
618	F020A34H033	615	F020A3FH033	618	F020A44H033	615	F020A4FH033	618	F020B14H033
612	F020A35H001	617	F020A3GH001	612	F020A45H001	617	F020A4GH001	612	F020B15H001
612	F020A35H006	617	F020A3GH006	612	F020A45H006	617	F020A4GH006	612	F020B15H006
612	F020A35H012	617	F020A3GH012	612	F020A45H012	617	F020A4GH012	612	F020B15H012
612	F020A35H018	617	F020A3GH018	612	F020A45H018	617	F020A4GH018	612	F020B15H018
612	F020A35H030	617	F020A3GH030	612	F020A45H030	617	F020A4GH030	612	F020B15H030
612	F020A35H033	617	F020A3GH033	612	F020A45H033	617	F020A4GH033	612	F020B15H033
614	F020A36H001	619	F020A3HH001	614	F020A46H001	619	F020A4HH001	614	F020B16H001
614	F020A36H006	619	F020A3HH006	614	F020A46H006	619	F020A4HH006	614	F020B16H006
614	F020A36H012	619	F020A3HH012	614	F020A46H012	619	F020A4HH012	614	F020B16H012
614	F020A36H018	619	F020A3HH018	614	F020A46H018	619	F020A4HH018	614	F020B16H018
614	F020A36H030	619	F020A3HH030	614	F020A46H030	619	F020A4HH030	614	F020B16H030
614	F020A36H033	619	F020A3HH033	614	F020A46H033	619	F020A4HH033	614	F020B16H033
616	F020A37H001	613	F020A3JH001	616	F020A47H001	613	F020A4JH001	616	F020B17H001
616	F020A37H006	613	F020A3JH006	616	F020A47H006	613	F020A4JH006	616	F020B17H006
616	F020A37H012	613	F020A3JH012	616	F020A47H012	613	F020A4JH012	616	F020B17H012
616	F020A37H018	613	F020A3JH018	616	F020A47H018	613	F020A4JH018	616	F020B17H018
616	F020A37H030	613	F020A3JH030	616	F020A47H030	613	F020A4JH030	616	F020B17H030
616	F020A37H033	613	F020A3JH033	616	F020A47H033	613	F020A4JH033	616	F020B17H033
618	F020A38H001	615	F020A3KH001	618	F020A48H001	615	F020A4KH001	618	F020B18H001
618	F020A38H006	615	F020A3KH006	618	F020A48H006	615	F020A4KH006	618	F020B18H006
618	F020A38H012	615	F020A3KH012	618	F020A48H012	615	F020A4KH012	618	F020B18H012
618	F020A38H018	615	F020A3KH018	618	F020A48H018	615	F020A4KH018	618	F020B18H018
618	F020A38H030	615	F020A3KH030	618	F020A48H030	615	F020A4KH030	618	F020B18H030
618	F020A38H033	615	F020A3KH033	618	F020A48H033	615	F020A4KH033	618	F020B18H033
612	F020A3AH001	617	F020A3LH001	612	F020A4AH001	617	F020A4LH001	612	F020B1AH001
612	F020A3AH006	617	F020A3LH006	612	F020A4AH006	617	F020A4LH006	612	F020B1AH006
612	F020A3AH012	617	F020A3LH012	612	F020A4AH012	617	F020A4LH012	612	F020B1AH012
612	F020A3AH018	617	F020A3LH018	612	F020A4AH018	617	F020A4LH018	612	F020B1AH018
612	F020A3AH030	617	F020A3LH030	612	F020A4AH030	617	F020A4LH030	612	F020B1AH030
612	F020A3AH033	617	F020A3LH033	612	F020A4AH033	617	F020A4LH033	612	F020B1AH033
615	F020A3BH001	619	F020A3MH001	615	F020A4BH001	619	F020A4MH001	615	F020B1BH001
615	F020A3BH006	619	F020A3MH006	615	F020A4BH006	619	F020A4MH006	615	F020B1BH006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
615	F020B1BH012	619	F020B1MH012	615	F020B2BH012	619	F020B2MH012	615	F020B3BH012
615	F020B1BH018	619	F020B1MH018	615	F020B2BH018	619	F020B2MH018	615	F020B3BH018
615	F020B1BH030	619	F020B1MH030	615	F020B2BH030	619	F020B2MH030	615	F020B3BH030
615	F020B1BH033	619	F020B1MH033	615	F020B2BH033	619	F020B2MH033	615	F020B3BH033
617	F020B1CH001	612	F020B21H001	617	F020B2CH001	612	F020B31H001	617	F020B3CH001
617	F020B1CH006	612	F020B21H006	617	F020B2CH006	612	F020B31H006	617	F020B3CH006
617	F020B1CH012	612	F020B21H012	617	F020B2CH012	612	F020B31H012	617	F020B3CH012
617	F020B1CH018	612	F020B21H018	617	F020B2CH018	612	F020B31H018	617	F020B3CH018
617	F020B1CH030	612	F020B21H030	617	F020B2CH030	612	F020B31H030	617	F020B3CH030
617	F020B1CH033	612	F020B21H033	617	F020B2CH033	612	F020B31H033	617	F020B3CH033
619	F020B1DH001	614	F020B22H001	619	F020B2DH001	614	F020B32H001	619	F020B3DH001
619	F020B1DH006	614	F020B22H006	619	F020B2DH006	614	F020B32H006	619	F020B3DH006
619	F020B1DH012	614	F020B22H012	619	F020B2DH012	614	F020B32H012	619	F020B3DH012
619	F020B1DH018	614	F020B22H018	619	F020B2DH018	614	F020B32H018	619	F020B3DH018
619	F020B1DH030	614	F020B22H030	619	F020B2DH030	614	F020B32H030	619	F020B3DH030
619	F020B1DH033	614	F020B22H033	619	F020B2DH033	614	F020B32H033	619	F020B3DH033
613	F020B1EH001	616	F020B23H001	613	F020B2EH001	616	F020B33H001	613	F020B3EH001
613	F020B1EH006	616	F020B23H006	613	F020B2EH006	616	F020B33H006	613	F020B3EH006
613	F020B1EH012	616	F020B23H012	613	F020B2EH012	616	F020B33H012	613	F020B3EH012
613	F020B1EH018	616	F020B23H018	613	F020B2EH018	616	F020B33H018	613	F020B3EH018
613	F020B1EH030	616	F020B23H030	613	F020B2EH030	616	F020B33H030	613	F020B3EH030
613	F020B1EH033	616	F020B23H033	613	F020B2EH033	616	F020B33H033	613	F020B3EH033
615	F020B1FH001	618	F020B24H001	615	F020B2FH001	618	F020B34H001	615	F020B3FH001
615	F020B1FH006	618	F020B24H006	615	F020B2FH006	618	F020B34H006	615	F020B3FH006
615	F020B1FH012	618	F020B24H012	615	F020B2FH012	618	F020B34H012	615	F020B3FH012
615	F020B1FH018	618	F020B24H018	615	F020B2FH018	618	F020B34H018	615	F020B3FH018
615	F020B1FH030	618	F020B24H030	615	F020B2FH030	618	F020B34H030	615	F020B3FH030
615	F020B1FH033	618	F020B24H033	615	F020B2FH033	618	F020B34H033	615	F020B3FH033
617	F020B1GH001	612	F020B25H001	617	F020B2GH001	612	F020B35H001	617	F020B3GH001
617	F020B1GH006	612	F020B25H006	617	F020B2GH006	612	F020B35H006	617	F020B3GH006
617	F020B1GH012	612	F020B25H012	617	F020B2GH012	612	F020B35H012	617	F020B3GH012
617	F020B1GH018	612	F020B25H018	617	F020B2GH018	612	F020B35H018	617	F020B3GH018
617	F020B1GH030	612	F020B25H030	617	F020B2GH030	612	F020B35H030	617	F020B3GH030
617	F020B1GH033	612	F020B25H033	617	F020B2GH033	612	F020B35H033	617	F020B3GH033
619	F020B1HH001	614	F020B26H001	619	F020B2HH001	614	F020B36H001	619	F020B3HH001
619	F020B1HH006	614	F020B26H006	619	F020B2HH006	614	F020B36H006	619	F020B3HH006
619	F020B1HH012	614	F020B26H012	619	F020B2HH012	614	F020B36H012	619	F020B3HH012
619	F020B1HH018	614	F020B26H018	619	F020B2HH018	614	F020B36H018	619	F020B3HH018
619	F020B1HH030	614	F020B26H030	619	F020B2HH030	614	F020B36H030	619	F020B3HH030
619	F020B1HH033	614	F020B26H033	619	F020B2HH033	614	F020B36H033	619	F020B3HH033
613	F020B1JH001	616	F020B27H001	613	F020B2JH001	616	F020B37H001	613	F020B3JH001
613	F020B1JH006	616	F020B27H006	613	F020B2JH006	616	F020B37H006	613	F020B3JH006
613	F020B1JH012	616	F020B27H012	613	F020B2JH012	616	F020B37H012	613	F020B3JH012
613	F020B1JH018	616	F020B27H018	613	F020B2JH018	616	F020B37H018	613	F020B3JH018
613	F020B1JH030	616	F020B27H030	613	F020B2JH030	616	F020B37H030	613	F020B3JH030
613	F020B1JH033	616	F020B27H033	613	F020B2JH033	616	F020B37H033	613	F020B3JH033
615	F020B1KH001	618	F020B28H001	615	F020B2KH001	618	F020B38H001	615	F020B3KH001
615	F020B1KH006	618	F020B28H006	615	F020B2KH006	618	F020B38H006	615	F020B3KH006
615	F020B1KH012	618	F020B28H012	615	F020B2KH012	618	F020B38H012	615	F020B3KH012
615	F020B1KH018	618	F020B28H018	615	F020B2KH018	618	F020B38H018	615	F020B3KH018
615	F020B1KH030	618	F020B28H030	615	F020B2KH030	618	F020B38H030	615	F020B3KH030
615	F020B1KH033	618	F020B28H033	615	F020B2KH033	618	F020B38H033	615	F020B3KH033
617	F020B1LH001	612	F020B2AH001	617	F020B2LH001	612	F020B3AH001	617	F020B3LH001
617	F020B1LH006	612	F020B2AH006	617	F020B2LH006	612	F020B3AH006	617	F020B3LH006
617	F020B1LH012	612	F020B2AH012	617	F020B2LH012	612	F020B3AH012	617	F020B3LH012
617	F020B1LH018	612	F020B2AH018	617	F020B2LH018	612	F020B3AH018	617	F020B3LH018
617	F020B1LH030	612	F020B2AH030	617	F020B2LH030	612	F020B3AH030	617	F020B3LH030
617	F020B1LH033	612	F020B2AH033	617	F020B2LH033	612	F020B3AH033	617	F020B3LH033
619	F020B1MH001	615	F020B2BH001	619	F020B2MH001	615	F020B3BH001	619	F020B3MH001
619	F020B1MH006	615	F020B2BH006	619	F020B2MH006	615	F020B3BH006	619	F020B3MH006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
619	F020B3MH012	615	F020B4BH012	619	F020B4MH012	615	F020C1FH012	616	F020C27H012
619	F020B3MH018	615	F020B4BH018	619	F020B4MH018	615	F020C1FH018	616	F020C27H018
619	F020B3MH030	615	F020B4BH030	619	F020B4MH030	615	F020C1FH030	616	F020C27H030
619	F020B3MH033	615	F020B4BH033	619	F020B4MH033	615	F020C1FH033	616	F020C27H033
612	F020B41H001	617	F020B4CH001	614	F020C12H001	617	F020C1GH001	618	F020C28H001
612	F020B41H006	617	F020B4CH006	614	F020C12H006	617	F020C1GH006	618	F020C28H006
612	F020B41H012	617	F020B4CH012	614	F020C12H012	617	F020C1GH012	618	F020C28H012
612	F020B41H018	617	F020B4CH018	614	F020C12H018	617	F020C1GH018	618	F020C28H018
612	F020B41H030	617	F020B4CH030	614	F020C12H030	617	F020C1GH030	618	F020C28H030
612	F020B41H033	617	F020B4CH033	614	F020C12H033	617	F020C1GH033	618	F020C28H033
614	F020B42H001	619	F020B4DH001	616	F020C13H001	619	F020C1HH001	615	F020C2BH001
614	F020B42H006	619	F020B4DH006	616	F020C13H006	619	F020C1HH006	615	F020C2BH006
614	F020B42H012	619	F020B4DH012	616	F020C13H012	619	F020C1HH012	615	F020C2BH012
614	F020B42H018	619	F020B4DH018	616	F020C13H018	619	F020C1HH018	615	F020C2BH018
614	F020B42H030	619	F020B4DH030	616	F020C13H030	619	F020C1HH030	615	F020C2BH030
614	F020B42H033	619	F020B4DH033	616	F020C13H033	619	F020C1HH033	615	F020C2BH033
616	F020B43H001	613	F020B4EH001	618	F020C14H001	615	F020C1KH001	617	F020C2CH001
616	F020B43H006	613	F020B4EH006	618	F020C14H006	615	F020C1KH006	617	F020C2CH006
616	F020B43H012	613	F020B4EH012	618	F020C14H012	615	F020C1KH012	617	F020C2CH012
616	F020B43H018	613	F020B4EH018	618	F020C14H018	615	F020C1KH018	617	F020C2CH018
616	F020B43H030	613	F020B4EH030	618	F020C14H030	615	F020C1KH030	617	F020C2CH030
616	F020B43H033	613	F020B4EH033	618	F020C14H033	615	F020C1KH033	617	F020C2CH033
618	F020B44H001	615	F020B4FH001	614	F020C16H001	617	F020C1LH001	619	F020C2DH001
618	F020B44H006	615	F020B4FH006	614	F020C16H006	617	F020C1LH006	619	F020C2DH006
618	F020B44H012	615	F020B4FH012	614	F020C16H012	617	F020C1LH012	619	F020C2DH012
618	F020B44H018	615	F020B4FH018	614	F020C16H018	617	F020C1LH018	619	F020C2DH018
618	F020B44H030	615	F020B4FH030	614	F020C16H030	617	F020C1LH030	619	F020C2DH030
618	F020B44H033	615	F020B4FH033	614	F020C16H033	617	F020C1LH033	619	F020C2DH033
612	F020B45H001	617	F020B4GH001	616	F020C17H001	619	F020C1MH001	615	F020C2FH001
612	F020B45H006	617	F020B4GH006	616	F020C17H006	619	F020C1MH006	615	F020C2FH006
612	F020B45H012	617	F020B4GH012	616	F020C17H012	619	F020C1MH012	615	F020C2FH012
612	F020B45H018	617	F020B4GH018	616	F020C17H018	619	F020C1MH018	615	F020C2FH018
612	F020B45H030	617	F020B4GH030	616	F020C17H030	619	F020C1MH030	615	F020C2FH030
612	F020B45H033	617	F020B4GH033	616	F020C17H033	619	F020C1MH033	615	F020C2FH033
614	F020B46H001	619	F020B4HH001	618	F020C18H001	614	F020C22H001	617	F020C2GH001
614	F020B46H006	619	F020B4HH006	618	F020C18H006	614	F020C22H006	617	F020C2GH006
614	F020B46H012	619	F020B4HH012	618	F020C18H012	614	F020C22H012	617	F020C2GH012
614	F020B46H018	619	F020B4HH018	618	F020C18H018	614	F020C22H018	617	F020C2GH018
614	F020B46H030	619	F020B4HH030	618	F020C18H030	614	F020C22H030	617	F020C2GH030
614	F020B46H033	619	F020B4HH033	618	F020C18H033	614	F020C22H033	617	F020C2GH033
616	F020B47H001	613	F020B4JH001	615	F020C1BH001	616	F020C23H001	619	F020C2HH001
616	F020B47H006	613	F020B4JH006	615	F020C1BH006	616	F020C23H006	619	F020C2HH006
616	F020B47H012	613	F020B4JH012	615	F020C1BH012	616	F020C23H012	619	F020C2HH012
616	F020B47H018	613	F020B4JH018	615	F020C1BH018	616	F020C23H018	619	F020C2HH018
616	F020B47H030	613	F020B4JH030	615	F020C1BH030	616	F020C23H030	619	F020C2HH030
616	F020B47H033	613	F020B4JH033	615	F020C1BH033	616	F020C23H033	619	F020C2HH033
618	F020B48H001	615	F020B4KH001	617	F020C1CH001	618	F020C24H001	615	F020C2KH001
618	F020B48H006	615	F020B4KH006	617	F020C1CH006	618	F020C24H006	615	F020C2KH006
618	F020B48H012	615	F020B4KH012	617	F020C1CH012	618	F020C24H012	615	F020C2KH012
618	F020B48H018	615	F020B4KH018	617	F020C1CH018	618	F020C24H018	615	F020C2KH018
618	F020B48H030	615	F020B4KH030	617	F020C1CH030	618	F020C24H030	615	F020C2KH030
618	F020B48H033	615	F020B4KH033	617	F020C1CH033	618	F020C24H033	615	F020C2KH033
612	F020B4AH001	617	F020B4LH001	619	F020C1DH001	614	F020C26H001	617	F020C2LH001
612	F020B4AH006	617	F020B4LH006	619	F020C1DH006	614	F020C26H006	617	F020C2LH006
612	F020B4AH012	617	F020B4LH012	619	F020C1DH012	614	F020C26H012	617	F020C2LH012
612	F020B4AH018	617	F020B4LH018	619	F020C1DH018	614	F020C26H018	617	F020C2LH018
612	F020B4AH030	617	F020B4LH030	619	F020C1DH030	614	F020C26H030	617	F020C2LH030
612	F020B4AH033	617	F020B4LH033	619	F020C1DH033	614	F020C26H033	617	F020C2LH033
615	F020B4BH001	619	F020B4MH001	615	F020C1FH001	616	F020C27H001	619	F020C2MH001
615	F020B4BH006	619	F020B4MH006	615	F020C1FH006	616	F020C27H006	619	F020C2MH006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
619	F020C2MH012	615	F020C3FH012	616	F020C47H012	619	F020C4MH012	621	F020G4KH012
619	F020C2MH018	615	F020C3FH018	616	F020C47H018	619	F020C4MH018	621	F020G4KH018
619	F020C2MH030	615	F020C3FH030	616	F020C47H030	619	F020C4MH030	621	F020G4KH030
619	F020C2MH033	615	F020C3FH033	616	F020C47H033	619	F020C4MH033	621	F020G4KH033
614	F020C32H001	617	F020C3GH001	618	F020C48H001	620	F020G2JH001	622	F020G4LH001
614	F020C32H006	617	F020C3GH006	618	F020C48H006	620	F020G2JH006	622	F020G4LH006
614	F020C32H012	617	F020C3GH012	618	F020C48H012	620	F020G2JH012	622	F020G4LH012
614	F020C32H018	617	F020C3GH018	618	F020C48H018	620	F020G2JH018	622	F020G4LH018
614	F020C32H030	617	F020C3GH030	618	F020C48H030	620	F020G2JH030	622	F020G4LH030
614	F020C32H033	617	F020C3GH033	618	F020C48H033	620	F020G2JH033	622	F020G4LH033
616	F020C33H001	619	F020C3HH001	615	F020C4BH001	621	F020G2KH001	623	F020G4MH001
616	F020C33H006	619	F020C3HH006	615	F020C4BH006	621	F020G2KH006	623	F020G4MH006
616	F020C33H012	619	F020C3HH012	615	F020C4BH012	621	F020G2KH012	623	F020G4MH012
616	F020C33H018	619	F020C3HH018	615	F020C4BH018	621	F020G2KH018	623	F020G4MH018
616	F020C33H030	619	F020C3HH030	615	F020C4BH030	621	F020G2KH030	623	F020G4MH030
616	F020C33H033	619	F020C3HH033	615	F020C4BH033	621	F020G2KH033	623	F020G4MH033
618	F020C34H001	615	F020C3KH001	617	F020C4CH001	622	F020G2LH001	620	F020GTJH001
618	F020C34H006	615	F020C3KH006	617	F020C4CH006	622	F020G2LH006	620	F020GTJH006
618	F020C34H012	615	F020C3KH012	617	F020C4CH012	622	F020G2LH012	620	F020GTJH012
618	F020C34H018	615	F020C3KH018	617	F020C4CH018	622	F020G2LH018	620	F020GTJH018
618	F020C34H030	615	F020C3KH030	617	F020C4CH030	622	F020G2LH030	620	F020GTJH030
618	F020C34H033	615	F020C3KH033	617	F020C4CH033	622	F020G2LH033	620	F020GTJH033
614	F020C36H001	617	F020C3LH001	619	F020C4DH001	623	F020G2MH001	621	F020GTKH001
614	F020C36H006	617	F020C3LH006	619	F020C4DH006	623	F020G2MH006	621	F020GTKH006
614	F020C36H012	617	F020C3LH012	619	F020C4DH012	623	F020G2MH012	621	F020GTKH012
614	F020C36H018	617	F020C3LH018	619	F020C4DH018	623	F020G2MH018	621	F020GTKH018
614	F020C36H030	617	F020C3LH030	619	F020C4DH030	623	F020G2MH030	621	F020GTKH030
614	F020C36H033	617	F020C3LH033	619	F020C4DH033	623	F020G2MH033	621	F020GTKH033
616	F020C37H001	619	F020C3MH001	615	F020C4FH001	620	F020G3JH001	622	F020GTLH001
616	F020C37H006	619	F020C3MH006	615	F020C4FH006	620	F020G3JH006	622	F020GTLH006
616	F020C37H012	619	F020C3MH012	615	F020C4FH012	620	F020G3JH012	622	F020GTLH012
616	F020C37H018	619	F020C3MH018	615	F020C4FH018	620	F020G3JH018	622	F020GTLH018
616	F020C37H030	619	F020C3MH030	615	F020C4FH030	620	F020G3JH030	622	F020GTLH030
616	F020C37H033	619	F020C3MH033	615	F020C4FH033	620	F020G3JH033	622	F020GTLH033
618	F020C38H001	614	F020C42H001	617	F020C4GH001	621	F020G3KH001	623	F020GTMH001
618	F020C38H006	614	F020C42H006	617	F020C4GH006	621	F020G3KH006	623	F020GTMH006
618	F020C38H012	614	F020C42H012	617	F020C4GH012	621	F020G3KH012	623	F020GTMH012
618	F020C38H018	614	F020C42H018	617	F020C4GH018	621	F020G3KH018	623	F020GTMH018
618	F020C38H030	614	F020C42H030	617	F020C4GH030	621	F020G3KH030	623	F020GTMH030
618	F020C38H033	614	F020C42H033	617	F020C4GH033	621	F020G3KH033	623	F020GTMH033
615	F020C3BH001	616	F020C43H001	619	F020C4HH001	622	F020G3LH001	620	F020H2JH001
615	F020C3BH006	616	F020C43H006	619	F020C4HH006	622	F020G3LH006	620	F020H2JH006
615	F020C3BH012	616	F020C43H012	619	F020C4HH012	622	F020G3LH012	620	F020H2JH012
615	F020C3BH018	616	F020C43H018	619	F020C4HH018	622	F020G3LH018	620	F020H2JH018
615	F020C3BH030	616	F020C43H030	619	F020C4HH030	622	F020G3LH030	620	F020H2JH030
615	F020C3BH033	616	F020C43H033	619	F020C4HH033	622	F020G3LH033	620	F020H2JH033
617	F020C3CH001	618	F020C44H001	615	F020C4KH001	623	F020G3MH001	621	F020H2KH001
617	F020C3CH006	618	F020C44H006	615	F020C4KH006	623	F020G3MH006	621	F020H2KH006
617	F020C3CH012	618	F020C44H012	615	F020C4KH012	623	F020G3MH012	621	F020H2KH012
617	F020C3CH018	618	F020C44H018	615	F020C4KH018	623	F020G3MH018	621	F020H2KH018
617	F020C3CH030	618	F020C44H030	615	F020C4KH030	623	F020G3MH030	621	F020H2KH030
617	F020C3CH033	618	F020C44H033	615	F020C4KH033	623	F020G3MH033	621	F020H2KH033
619	F020C3DH001	614	F020C46H001	617	F020C4LH001	620	F020G4JH001	622	F020H2LH001
619	F020C3DH006	614	F020C46H006	617	F020C4LH006	620	F020G4JH006	622	F020H2LH006
619	F020C3DH012	614	F020C46H012	617	F020C4LH012	620	F020G4JH012	622	F020H2LH012
619	F020C3DH018	614	F020C46H018	617	F020C4LH018	620	F020G4JH018	622	F020H2LH018
619	F020C3DH030	614	F020C46H030	617	F020C4LH030	620	F020G4JH030	622	F020H2LH030
619	F020C3DH033	614	F020C46H033	617	F020C4LH033	620	F020G4JH033	622	F020H2LH033
615	F020C3FH001	616	F020C47H001	619	F020C4MH001	621	F020G4KH001	623	F020H2MH001
615	F020C3FH006	616	F020C47H006	619	F020C4MH006	621	F020G4KH006	623	F020H2MH006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
623	F020H2MH012	621	F020HTKH012	622	F020J4LH012	630	F021A16A012	635	F021A1HA012
623	F020H2MH018	621	F020HTKH018	622	F020J4LH018	630	F021A16A018	635	F021A1HA018
623	F020H2MH030	621	F020HTKH030	622	F020J4LH030	630	F021A16A030	635	F021A1HA030
623	F020H2MH033	621	F020HTKH033	622	F020J4LH033	630	F021A16A033	635	F021A1HA033
620	F020H3JH001	622	F020HTLH001	623	F020J4MH001	632	F021A17A001	629	F021A1JA001
620	F020H3JH006	622	F020HTLH006	623	F020J4MH006	632	F021A17A006	629	F021A1JA006
620	F020H3JH012	622	F020HTLH012	623	F020J4MH012	632	F021A17A012	629	F021A1JA012
620	F020H3JH018	622	F020HTLH018	623	F020J4MH018	632	F021A17A018	629	F021A1JA018
620	F020H3JH030	622	F020HTLH030	623	F020J4MH030	632	F021A17A030	629	F021A1JA030
620	F020H3JH033	622	F020HTLH033	623	F020J4MH033	632	F021A17A033	629	F021A1JA033
621	F020H3KH001	623	F020HTMH001	621	F020JTKH001	634	F021A18A001	631	F021A1KA001
621	F020H3KH006	623	F020HTMH006	621	F020JTKH006	634	F021A18A006	631	F021A1KA006
621	F020H3KH012	623	F020HTMH012	621	F020JTKH012	634	F021A18A012	631	F021A1KA012
621	F020H3KH018	623	F020HTMH018	621	F020JTKH018	634	F021A18A018	631	F021A1KA018
621	F020H3KH030	623	F020HTMH030	621	F020JTKH030	634	F021A18A030	631	F021A1KA030
621	F020H3KH033	623	F020HTMH033	621	F020JTKH033	634	F021A18A033	631	F021A1KA033
622	F020H3LH001	621	F020J2KH001	622	F020JTLH001	628	F021A1AA001	633	F021A1LA001
622	F020H3LH006	621	F020J2KH006	622	F020JTLH006	628	F021A1AA006	633	F021A1LA006
622	F020H3LH012	621	F020J2KH012	622	F020JTLH012	628	F021A1AA012	633	F021A1LA012
622	F020H3LH018	621	F020J2KH018	622	F020JTLH018	628	F021A1AA018	633	F021A1LA018
622	F020H3LH030	621	F020J2KH030	622	F020JTLH030	628	F021A1AA030	633	F021A1LA030
622	F020H3LH033	621	F020J2KH033	622	F020JTLH033	628	F021A1AA033	633	F021A1LA033
623	F020H3MH001	622	F020J2LH001	623	F020JTMH001	631	F021A1BA001	635	F021A1MA001
623	F020H3MH006	622	F020J2LH006	623	F020JTMH006	631	F021A1BA006	635	F021A1MA006
623	F020H3MH012	622	F020J2LH012	623	F020JTMH012	631	F021A1BA012	635	F021A1MA012
623	F020H3MH018	622	F020J2LH018	623	F020JTMH018	631	F021A1BA018	635	F021A1MA018
623	F020H3MH030	622	F020J2LH030	623	F020JTMH030	631	F021A1BA030	635	F021A1MA030
623	F020H3MH033	622	F020J2LH033	623	F020JTMH033	631	F021A1BA033	635	F021A1MA033
620	F020H4JH001	623	F020J2MH001	628	F021A11A001	633	F021A1CA001	628	F021A21A001
620	F020H4JH006	623	F020J2MH006	628	F021A11A006	633	F021A1CA006	628	F021A21A006
620	F020H4JH012	623	F020J2MH012	628	F021A11A012	633	F021A1CA012	628	F021A21A012
620	F020H4JH018	623	F020J2MH018	628	F021A11A018	633	F021A1CA018	628	F021A21A018
620	F020H4JH030	623	F020J2MH030	628	F021A11A030	633	F021A1CA030	628	F021A21A030
620	F020H4JH033	623	F020J2MH033	628	F021A11A033	633	F021A1CA033	628	F021A21A033
621	F020H4KH001	621	F020J3KH001	630	F021A12A001	635	F021A1DA001	630	F021A22A001
621	F020H4KH006	621	F020J3KH006	630	F021A12A006	635	F021A1DA006	630	F021A22A006
621	F020H4KH012	621	F020J3KH012	630	F021A12A012	635	F021A1DA012	630	F021A22A012
621	F020H4KH018	621	F020J3KH018	630	F021A12A018	635	F021A1DA018	630	F021A22A018
621	F020H4KH030	621	F020J3KH030	630	F021A12A030	635	F021A1DA030	630	F021A22A030
621	F020H4KH033	621	F020J3KH033	630	F021A12A033	635	F021A1DA033	630	F021A22A033
622	F020H4LH001	622	F020J3LH001	632	F021A13A001	629	F021A1EA001	632	F021A23A001
622	F020H4LH006	622	F020J3LH006	632	F021A13A006	629	F021A1EA006	632	F021A23A006
622	F020H4LH012	622	F020J3LH012	632	F021A13A012	629	F021A1EA012	632	F021A23A012
622	F020H4LH018	622	F020J3LH018	632	F021A13A018	629	F021A1EA018	632	F021A23A018
622	F020H4LH030	622	F020J3LH030	632	F021A13A030	629	F021A1EA030	632	F021A23A030
622	F020H4LH033	622	F020J3LH033	632	F021A13A033	629	F021A1EA033	632	F021A23A033
623	F020H4MH001	623	F020J3MH001	634	F021A14A001	631	F021A1FA001	634	F021A24A001
623	F020H4MH006	623	F020J3MH006	634	F021A14A006	631	F021A1FA006	634	F021A24A006
623	F020H4MH012	623	F020J3MH012	634	F021A14A012	631	F021A1FA012	634	F021A24A012
623	F020H4MH018	623	F020J3MH018	634	F021A14A018	631	F021A1FA018	634	F021A24A018
623	F020H4MH030	623	F020J3MH030	634	F021A14A030	631	F021A1FA030	634	F021A24A030
623	F020H4MH033	623	F020J3MH033	634	F021A14A033	631	F021A1FA033	634	F021A24A033
620	F020HTJH001	621	F020J4KH001	628	F021A15A001	633	F021A1GA001	628	F021A25A001
620	F020HTJH006	621	F020J4KH006	628	F021A15A006	633	F021A1GA006	628	F021A25A006
620	F020HTJH012	621	F020J4KH012	628	F021A15A012	633	F021A1GA012	628	F021A25A012
620	F020HTJH018	621	F020J4KH018	628	F021A15A018	633	F021A1GA018	628	F021A25A018
620	F020HTJH030	621	F020J4KH030	628	F021A15A030	633	F021A1GA030	628	F021A25A030
620	F020HTJH033	621	F020J4KH033	628	F021A15A033	633	F021A1GA033	628	F021A25A033
621	F020HTKH001	622	F020J4LH001	630	F021A16A001	635	F021A1HA001	630	F021A26A001
621	F020HTKH006	622	F020J4LH006	630	F021A16A006	635	F021A1HA006	630	F021A26A006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
630	F021A26A012	635	F021A2HA012	630	F021A36A012	635	F021A3HA012	630	F021A46A012
630	F021A26A018	635	F021A2HA018	630	F021A36A018	635	F021A3HA018	630	F021A46A018
630	F021A26A030	635	F021A2HA030	630	F021A36A030	635	F021A3HA030	630	F021A46A030
630	F021A26A033	635	F021A2HA033	630	F021A36A033	635	F021A3HA033	630	F021A46A033
632	F021A27A001	629	F021A2JA001	632	F021A37A001	629	F021A3JA001	632	F021A47A001
632	F021A27A006	629	F021A2JA006	632	F021A37A006	629	F021A3JA006	632	F021A47A006
632	F021A27A012	629	F021A2JA012	632	F021A37A012	629	F021A3JA012	632	F021A47A012
632	F021A27A018	629	F021A2JA018	632	F021A37A018	629	F021A3JA018	632	F021A47A018
632	F021A27A030	629	F021A2JA030	632	F021A37A030	629	F021A3JA030	632	F021A47A030
632	F021A27A033	629	F021A2JA033	632	F021A37A033	629	F021A3JA033	632	F021A47A033
634	F021A28A001	631	F021A2KA001	634	F021A38A001	631	F021A3KA001	634	F021A48A001
634	F021A28A006	631	F021A2KA006	634	F021A38A006	631	F021A3KA006	634	F021A48A006
634	F021A28A012	631	F021A2KA012	634	F021A38A012	631	F021A3KA012	634	F021A48A012
634	F021A28A018	631	F021A2KA018	634	F021A38A018	631	F021A3KA018	634	F021A48A018
634	F021A28A030	631	F021A2KA030	634	F021A38A030	631	F021A3KA030	634	F021A48A030
634	F021A28A033	631	F021A2KA033	634	F021A38A033	631	F021A3KA033	634	F021A48A033
628	F021A2AA001	633	F021A2LA001	628	F021A3AA001	633	F021A3LA001	628	F021A4AA001
628	F021A2AA006	633	F021A2LA006	628	F021A3AA006	633	F021A3LA006	628	F021A4AA006
628	F021A2AA012	633	F021A2LA012	628	F021A3AA012	633	F021A3LA012	628	F021A4AA012
628	F021A2AA018	633	F021A2LA018	628	F021A3AA018	633	F021A3LA018	628	F021A4AA018
628	F021A2AA030	633	F021A2LA030	628	F021A3AA030	633	F021A3LA030	628	F021A4AA030
628	F021A2AA033	633	F021A2LA033	628	F021A3AA033	633	F021A3LA033	628	F021A4AA033
631	F021A2BA001	635	F021A2MA001	631	F021A3BA001	635	F021A3MA001	631	F021A4BA001
631	F021A2BA006	635	F021A2MA006	631	F021A3BA006	635	F021A3MA006	631	F021A4BA006
631	F021A2BA012	635	F021A2MA012	631	F021A3BA012	635	F021A3MA012	631	F021A4BA012
631	F021A2BA018	635	F021A2MA018	631	F021A3BA018	635	F021A3MA018	631	F021A4BA018
631	F021A2BA030	635	F021A2MA030	631	F021A3BA030	635	F021A3MA030	631	F021A4BA030
631	F021A2BA033	635	F021A2MA033	631	F021A3BA033	635	F021A3MA033	631	F021A4BA033
633	F021A2CA001	628	F021A31A001	633	F021A3CA001	628	F021A41A001	633	F021A4CA001
633	F021A2CA006	628	F021A31A006	633	F021A3CA006	628	F021A41A006	633	F021A4CA006
633	F021A2CA012	628	F021A31A012	633	F021A3CA012	628	F021A41A012	633	F021A4CA012
633	F021A2CA018	628	F021A31A018	633	F021A3CA018	628	F021A41A018	633	F021A4CA018
633	F021A2CA030	628	F021A31A030	633	F021A3CA030	628	F021A41A030	633	F021A4CA030
633	F021A2CA033	628	F021A31A033	633	F021A3CA033	628	F021A41A033	633	F021A4CA033
635	F021A2DA001	630	F021A32A001	635	F021A3DA001	630	F021A42A001	635	F021A4DA001
635	F021A2DA006	630	F021A32A006	635	F021A3DA006	630	F021A42A006	635	F021A4DA006
635	F021A2DA012	630	F021A32A012	635	F021A3DA012	630	F021A42A012	635	F021A4DA012
635	F021A2DA018	630	F021A32A018	635	F021A3DA018	630	F021A42A018	635	F021A4DA018
635	F021A2DA030	630	F021A32A030	635	F021A3DA030	630	F021A42A030	635	F021A4DA030
635	F021A2DA033	630	F021A32A033	635	F021A3DA033	630	F021A42A033	635	F021A4DA033
629	F021A2EA001	632	F021A33A001	629	F021A3EA001	632	F021A43A001	629	F021A4EA001
629	F021A2EA006	632	F021A33A006	629	F021A3EA006	632	F021A43A006	629	F021A4EA006
629	F021A2EA012	632	F021A33A012	629	F021A3EA012	632	F021A43A012	629	F021A4EA012
629	F021A2EA018	632	F021A33A018	629	F021A3EA018	632	F021A43A018	629	F021A4EA018
629	F021A2EA030	632	F021A33A030	629	F021A3EA030	632	F021A43A030	629	F021A4EA030
629	F021A2EA033	632	F021A33A033	629	F021A3EA033	632	F021A43A033	629	F021A4EA033
631	F021A2FA001	634	F021A34A001	631	F021A3FA001	634	F021A44A001	631	F021A4FA001
631	F021A2FA006	634	F021A34A006	631	F021A3FA006	634	F021A44A006	631	F021A4FA006
631	F021A2FA012	634	F021A34A012	631	F021A3FA012	634	F021A44A012	631	F021A4FA012
631	F021A2FA018	634	F021A34A018	631	F021A3FA018	634	F021A44A018	631	F021A4FA018
631	F021A2FA030	634	F021A34A030	631	F021A3FA030	634	F021A44A030	631	F021A4FA030
631	F021A2FA033	634	F021A34A033	631	F021A3FA033	634	F021A44A033	631	F021A4FA033
633	F021A2GA001	628	F021A35A001	633	F021A3GA001	628	F021A45A001	633	F021A4GA001
633	F021A2GA006	628	F021A35A006	633	F021A3GA006	628	F021A45A006	633	F021A4GA006
633	F021A2GA012	628	F021A35A012	633	F021A3GA012	628	F021A45A012	633	F021A4GA012
633	F021A2GA018	628	F021A35A018	633	F021A3GA018	628	F021A45A018	633	F021A4GA018
633	F021A2GA030	628	F021A35A030	633	F021A3GA030	628	F021A45A030	633	F021A4GA030
633	F021A2GA033	628	F021A35A033	633	F021A3GA033	628	F021A45A033	633	F021A4GA033
635	F021A2HA001	630	F021A36A001	635	F021A3HA001	630	F021A46A001	635	F021A4HA001
635	F021A2HA006	630	F021A36A006	635	F021A3HA006	630	F021A46A006	635	F021A4HA006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
635	F021A4HA012	634	F021B14A012	631	F021B1BA012	639	F021B1GD012	628	F021B21A012
635	F021A4HA018	634	F021B14A018	631	F021B1BA018	639	F021B1GD018	628	F021B21A018
635	F021A4HA030	634	F021B14A030	631	F021B1BA030	639	F021B1GD030	628	F021B21A030
635	F021A4HA033	634	F021B14A033	631	F021B1BA033	639	F021B1GD033	628	F021B21A033
629	F021A4JA001	640	F021B14D001	636	F021B1BD001	635	F021B1HA001	630	F021B22A001
629	F021A4JA006	640	F021B14D006	636	F021B1BD006	635	F021B1HA006	630	F021B22A006
629	F021A4JA012	640	F021B14D012	636	F021B1BD012	635	F021B1HA012	630	F021B22A012
629	F021A4JA018	640	F021B14D018	636	F021B1BD018	635	F021B1HA018	630	F021B22A018
629	F021A4JA030	640	F021B14D030	636	F021B1BD030	635	F021B1HA030	630	F021B22A030
629	F021A4JA033	640	F021B14D033	636	F021B1BD033	635	F021B1HA033	630	F021B22A033
631	F021A4KA001	628	F021B15A001	633	F021B1CA001	641	F021B1HD001	636	F021B22D001
631	F021A4KA006	628	F021B15A006	633	F021B1CA006	641	F021B1HD006	636	F021B22D006
631	F021A4KA012	628	F021B15A012	633	F021B1CA012	641	F021B1HD012	636	F021B22D012
631	F021A4KA018	628	F021B15A018	633	F021B1CA018	641	F021B1HD018	636	F021B22D018
631	F021A4KA030	628	F021B15A030	633	F021B1CA030	641	F021B1HD030	636	F021B22D030
631	F021A4KA033	628	F021B15A033	633	F021B1CA033	641	F021B1HD033	636	F021B22D033
633	F021A4LA001	630	F021B16A001	638	F021B1CD001	629	F021B1JA001	632	F021B23A001
633	F021A4LA006	630	F021B16A006	638	F021B1CD006	629	F021B1JA006	632	F021B23A006
633	F021A4LA012	630	F021B16A012	638	F021B1CD012	629	F021B1JA012	632	F021B23A012
633	F021A4LA018	630	F021B16A018	638	F021B1CD018	629	F021B1JA018	632	F021B23A018
633	F021A4LA030	630	F021B16A030	638	F021B1CD030	629	F021B1JA030	632	F021B23A030
633	F021A4LA033	630	F021B16A033	638	F021B1CD033	629	F021B1JA033	632	F021B23A033
635	F021A4MA001	636	F021B16D001	635	F021B1DA001	631	F021B1KA001	638	F021B23D001
635	F021A4MA006	636	F021B16D006	635	F021B1DA006	631	F021B1KA006	638	F021B23D006
635	F021A4MA012	636	F021B16D012	635	F021B1DA012	631	F021B1KA012	638	F021B23D012
635	F021A4MA018	636	F021B16D018	635	F021B1DA018	631	F021B1KA018	638	F021B23D018
635	F021A4MA030	636	F021B16D030	635	F021B1DA030	631	F021B1KA030	638	F021B23D030
635	F021A4MA033	636	F021B16D033	635	F021B1DA033	631	F021B1KA033	638	F021B23D033
628	F021B11A001	632	F021B17A001	640	F021B1DD001	637	F021B1KD001	634	F021B24A001
628	F021B11A006	632	F021B17A006	640	F021B1DD006	637	F021B1KD006	634	F021B24A006
628	F021B11A012	632	F021B17A012	640	F021B1DD012	637	F021B1KD012	634	F021B24A012
628	F021B11A018	632	F021B17A018	640	F021B1DD018	637	F021B1KD018	634	F021B24A018
628	F021B11A030	632	F021B17A030	640	F021B1DD030	637	F021B1KD030	634	F021B24A030
628	F021B11A033	632	F021B17A033	640	F021B1DD033	637	F021B1KD033	634	F021B24A033
630	F021B12A001	638	F021B17D001	629	F021B1EA001	633	F021B1LA001	640	F021B24D001
630	F021B12A006	638	F021B17D006	629	F021B1EA006	633	F021B1LA006	640	F021B24D006
630	F021B12A012	638	F021B17D012	629	F021B1EA012	633	F021B1LA012	640	F021B24D012
630	F021B12A018	638	F021B17D018	629	F021B1EA018	633	F021B1LA018	640	F021B24D018
630	F021B12A030	638	F021B17D030	629	F021B1EA030	633	F021B1LA030	640	F021B24D030
630	F021B12A033	638	F021B17D033	629	F021B1EA033	633	F021B1LA033	640	F021B24D033
636	F021B12D001	634	F021B18A001	631	F021B1FA001	639	F021B1LD001	628	F021B25A001
636	F021B12D006	634	F021B18A006	631	F021B1FA006	639	F021B1LD006	628	F021B25A006
636	F021B12D012	634	F021B18A012	631	F021B1FA012	639	F021B1LD012	628	F021B25A012
636	F021B12D018	634	F021B18A018	631	F021B1FA018	639	F021B1LD018	628	F021B25A018
636	F021B12D030	634	F021B18A030	631	F021B1FA030	639	F021B1LD030	628	F021B25A030
636	F021B12D033	634	F021B18A033	631	F021B1FA033	639	F021B1LD033	628	F021B25A033
632	F021B13A001	640	F021B18D001	637	F021B1FD001	635	F021B1MA001	630	F021B26A001
632	F021B13A006	640	F021B18D006	637	F021B1FD006	635	F021B1MA006	630	F021B26A006
632	F021B13A012	640	F021B18D012	637	F021B1FD012	635	F021B1MA012	630	F021B26A012
632	F021B13A018	640	F021B18D018	637	F021B1FD018	635	F021B1MA018	630	F021B26A018
632	F021B13A030	640	F021B18D030	637	F021B1FD030	635	F021B1MA030	630	F021B26A030
632	F021B13A033	640	F021B18D033	637	F021B1FD033	635	F021B1MA033	630	F021B26A033
638	F021B13D001	628	F021B1AA001	633	F021B1GA001	641	F021B1MD001	636	F021B26D001
638	F021B13D006	628	F021B1AA006	633	F021B1GA006	641	F021B1MD006	636	F021B26D006
638	F021B13D012	628	F021B1AA012	633	F021B1GA012	641	F021B1MD012	636	F021B26D012
638	F021B13D018	628	F021B1AA018	633	F021B1GA018	641	F021B1MD018	636	F021B26D018
638	F021B13D030	628	F021B1AA030	633	F021B1GA030	641	F021B1MD030	636	F021B26D030
638	F021B13D033	628	F021B1AA033	633	F021B1GA033	641	F021B1MD033	636	F021B26D033
634	F021B14A001	631	F021B1BA001	639	F021B1GD001	628	F021B21A001	632	F021B27A001
634	F021B14A006	631	F021B1BA006	639	F021B1GD006	628	F021B21A006	632	F021B27A006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
632	F021B27A012	640	F021B2DD012	637	F021B2KD012	634	F021B34A012	631	F021B3BA012
632	F021B27A018	640	F021B2DD018	637	F021B2KD018	634	F021B34A018	631	F021B3BA018
632	F021B27A030	640	F021B2DD030	637	F021B2KD030	634	F021B34A030	631	F021B3BA030
632	F021B27A033	640	F021B2DD033	637	F021B2KD033	634	F021B34A033	631	F021B3BA033
638	F021B27D001	629	F021B2EA001	633	F021B2LA001	640	F021B34D001	636	F021B3BD001
638	F021B27D006	629	F021B2EA006	633	F021B2LA006	640	F021B34D006	636	F021B3BD006
638	F021B27D012	629	F021B2EA012	633	F021B2LA012	640	F021B34D012	636	F021B3BD012
638	F021B27D018	629	F021B2EA018	633	F021B2LA018	640	F021B34D018	636	F021B3BD018
638	F021B27D030	629	F021B2EA030	633	F021B2LA030	640	F021B34D030	636	F021B3BD030
638	F021B27D033	629	F021B2EA033	633	F021B2LA033	640	F021B34D033	636	F021B3BD033
634	F021B28A001	631	F021B2FA001	639	F021B2LD001	628	F021B35A001	633	F021B3CA001
634	F021B28A006	631	F021B2FA006	639	F021B2LD006	628	F021B35A006	633	F021B3CA006
634	F021B28A012	631	F021B2FA012	639	F021B2LD012	628	F021B35A012	633	F021B3CA012
634	F021B28A018	631	F021B2FA018	639	F021B2LD018	628	F021B35A018	633	F021B3CA018
634	F021B28A030	631	F021B2FA030	639	F021B2LD030	628	F021B35A030	633	F021B3CA030
634	F021B28A033	631	F021B2FA033	639	F021B2LD033	628	F021B35A033	633	F021B3CA033
640	F021B28D001	637	F021B2FD001	635	F021B2MA001	630	F021B36A001	638	F021B3CD001
640	F021B28D006	637	F021B2FD006	635	F021B2MA006	630	F021B36A006	638	F021B3CD006
640	F021B28D012	637	F021B2FD012	635	F021B2MA012	630	F021B36A012	638	F021B3CD012
640	F021B28D018	637	F021B2FD018	635	F021B2MA018	630	F021B36A018	638	F021B3CD018
640	F021B28D030	637	F021B2FD030	635	F021B2MA030	630	F021B36A030	638	F021B3CD030
640	F021B28D033	637	F021B2FD033	635	F021B2MA033	630	F021B36A033	638	F021B3CD033
628	F021B2AA001	633	F021B2GA001	641	F021B2MD001	636	F021B36D001	635	F021B3DA001
628	F021B2AA006	633	F021B2GA006	641	F021B2MD006	636	F021B36D006	635	F021B3DA006
628	F021B2AA012	633	F021B2GA012	641	F021B2MD012	636	F021B36D012	635	F021B3DA012
628	F021B2AA018	633	F021B2GA018	641	F021B2MD018	636	F021B36D018	635	F021B3DA018
628	F021B2AA030	633	F021B2GA030	641	F021B2MD030	636	F021B36D030	635	F021B3DA030
628	F021B2AA033	633	F021B2GA033	641	F021B2MD033	636	F021B36D033	635	F021B3DA033
631	F021B2BA001	639	F021B2GD001	628	F021B31A001	632	F021B37A001	640	F021B3DD001
631	F021B2BA006	639	F021B2GD006	628	F021B31A006	632	F021B37A006	640	F021B3DD006
631	F021B2BA012	639	F021B2GD012	628	F021B31A012	632	F021B37A012	640	F021B3DD012
631	F021B2BA018	639	F021B2GD018	628	F021B31A018	632	F021B37A018	640	F021B3DD018
631	F021B2BA030	639	F021B2GD030	628	F021B31A030	632	F021B37A030	640	F021B3DD030
631	F021B2BA033	639	F021B2GD033	628	F021B31A033	632	F021B37A033	640	F021B3DD033
636	F021B2BD001	635	F021B2HA001	630	F021B32A001	638	F021B37D001	629	F021B3EA001
636	F021B2BD006	635	F021B2HA006	630	F021B32A006	638	F021B37D006	629	F021B3EA006
636	F021B2BD012	635	F021B2HA012	630	F021B32A012	638	F021B37D012	629	F021B3EA012
636	F021B2BD018	635	F021B2HA018	630	F021B32A018	638	F021B37D018	629	F021B3EA018
636	F021B2BD030	635	F021B2HA030	630	F021B32A030	638	F021B37D030	629	F021B3EA030
636	F021B2BD033	635	F021B2HA033	630	F021B32A033	638	F021B37D033	629	F021B3EA033
633	F021B2CA001	641	F021B2HD001	636	F021B32D001	634	F021B38A001	631	F021B3FA001
633	F021B2CA006	641	F021B2HD006	636	F021B32D006	634	F021B38A006	631	F021B3FA006
633	F021B2CA012	641	F021B2HD012	636	F021B32D012	634	F021B38A012	631	F021B3FA012
633	F021B2CA018	641	F021B2HD018	636	F021B32D018	634	F021B38A018	631	F021B3FA018
633	F021B2CA030	641	F021B2HD030	636	F021B32D030	634	F021B38A030	631	F021B3FA030
633	F021B2CA033	641	F021B2HD033	636	F021B32D033	634	F021B38A033	631	F021B3FA033
638	F021B2CD001	629	F021B2JA001	632	F021B33A001	640	F021B38D001	637	F021B3FD001
638	F021B2CD006	629	F021B2JA006	632	F021B33A006	640	F021B38D006	637	F021B3FD006
638	F021B2CD012	629	F021B2JA012	632	F021B33A012	640	F021B38D012	637	F021B3FD012
638	F021B2CD018	629	F021B2JA018	632	F021B33A018	640	F021B38D018	637	F021B3FD018
638	F021B2CD030	629	F021B2JA030	632	F021B33A030	640	F021B38D030	637	F021B3FD030
638	F021B2CD033	629	F021B2JA033	632	F021B33A033	640	F021B38D033	637	F021B3FD033
635	F021B2DA001	631	F021B2KA001	638	F021B33D001	628	F021B3AA001	633	F021B3GA001
635	F021B2DA006	631	F021B2KA006	638	F021B33D006	628	F021B3AA006	633	F021B3GA006
635	F021B2DA012	631	F021B2KA012	638	F021B33D012	628	F021B3AA012	633	F021B3GA012
635	F021B2DA018	631	F021B2KA018	638	F021B33D018	628	F021B3AA018	633	F021B3GA018
635	F021B2DA030	631	F021B2KA030	638	F021B33D030	628	F021B3AA030	633	F021B3GA030
635	F021B2DA033	631	F021B2KA033	638	F021B33D033	628	F021B3AA033	633	F021B3GA033
640	F021B2DD001	637	F021B2KD001	634	F021B34A001	631	F021B3BA001	639	F021B3GD001
640	F021B2DD006	637	F021B2KD006	634	F021B34A006	631	F021B3BA006	639	F021B3GD006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
639	F021B3GD012	628	F021B41A012	632	F021B47A012	640	F021B4DD012	637	F021B4KD012
639	F021B3GD018	628	F021B41A018	632	F021B47A018	640	F021B4DD018	637	F021B4KD018
639	F021B3GD030	628	F021B41A030	632	F021B47A030	640	F021B4DD030	637	F021B4KD030
639	F021B3GD033	628	F021B41A033	632	F021B47A033	640	F021B4DD033	637	F021B4KD033
635	F021B3HA001	630	F021B42A001	638	F021B47D001	629	F021B4EA001	633	F021B4LA001
635	F021B3HA006	630	F021B42A006	638	F021B47D006	629	F021B4EA006	633	F021B4LA006
635	F021B3HA012	630	F021B42A012	638	F021B47D012	629	F021B4EA012	633	F021B4LA012
635	F021B3HA018	630	F021B42A018	638	F021B47D018	629	F021B4EA018	633	F021B4LA018
635	F021B3HA030	630	F021B42A030	638	F021B47D030	629	F021B4EA030	633	F021B4LA030
635	F021B3HA033	630	F021B42A033	638	F021B47D033	629	F021B4EA033	633	F021B4LA033
641	F021B3HD001	636	F021B42D001	634	F021B48A001	631	F021B4FA001	639	F021B4LD001
641	F021B3HD006	636	F021B42D006	634	F021B48A006	631	F021B4FA006	639	F021B4LD006
641	F021B3HD012	636	F021B42D012	634	F021B48A012	631	F021B4FA012	639	F021B4LD012
641	F021B3HD018	636	F021B42D018	634	F021B48A018	631	F021B4FA018	639	F021B4LD018
641	F021B3HD030	636	F021B42D030	634	F021B48A030	631	F021B4FA030	639	F021B4LD030
641	F021B3HD033	636	F021B42D033	634	F021B48A033	631	F021B4FA033	639	F021B4LD033
629	F021B3JA001	632	F021B43A001	640	F021B48D001	637	F021B4FD001	635	F021B4MA001
629	F021B3JA006	632	F021B43A006	640	F021B48D006	637	F021B4FD006	635	F021B4MA006
629	F021B3JA012	632	F021B43A012	640	F021B48D012	637	F021B4FD012	635	F021B4MA012
629	F021B3JA018	632	F021B43A018	640	F021B48D018	637	F021B4FD018	635	F021B4MA018
629	F021B3JA030	632	F021B43A030	640	F021B48D030	637	F021B4FD030	635	F021B4MA030
629	F021B3JA033	632	F021B43A033	640	F021B48D033	637	F021B4FD033	635	F021B4MA033
631	F021B3KA001	638	F021B43D001	628	F021B4AA001	633	F021B4GA001	641	F021B4MD001
631	F021B3KA006	638	F021B43D006	628	F021B4AA006	633	F021B4GA006	641	F021B4MD006
631	F021B3KA012	638	F021B43D012	628	F021B4AA012	633	F021B4GA012	641	F021B4MD012
631	F021B3KA018	638	F021B43D018	628	F021B4AA018	633	F021B4GA018	641	F021B4MD018
631	F021B3KA030	638	F021B43D030	628	F021B4AA030	633	F021B4GA030	641	F021B4MD030
631	F021B3KA033	638	F021B43D033	628	F021B4AA033	633	F021B4GA033	641	F021B4MD033
637	F021B3KD001	634	F021B44A001	631	F021B4BA001	639	F021B4GD001	630	F021C12A001
637	F021B3KD006	634	F021B44A006	631	F021B4BA006	639	F021B4GD006	630	F021C12A006
637	F021B3KD012	634	F021B44A012	631	F021B4BA012	639	F021B4GD012	630	F021C12A012
637	F021B3KD018	634	F021B44A018	631	F021B4BA018	639	F021B4GD018	630	F021C12A018
637	F021B3KD030	634	F021B44A030	631	F021B4BA030	639	F021B4GD030	630	F021C12A030
637	F021B3KD033	634	F021B44A033	631	F021B4BA033	639	F021B4GD033	630	F021C12A033
633	F021B3LA001	640	F021B44D001	636	F021B4BD001	635	F021B4HA001	636	F021C12D001
633	F021B3LA006	640	F021B44D006	636	F021B4BD006	635	F021B4HA006	636	F021C12D006
633	F021B3LA012	640	F021B44D012	636	F021B4BD012	635	F021B4HA012	636	F021C12D012
633	F021B3LA018	640	F021B44D018	636	F021B4BD018	635	F021B4HA018	636	F021C12D018
633	F021B3LA030	640	F021B44D030	636	F021B4BD030	635	F021B4HA030	636	F021C12D030
633	F021B3LA033	640	F021B44D033	636	F021B4BD033	635	F021B4HA033	636	F021C12D033
639	F021B3LD001	628	F021B45A001	633	F021B4CA001	641	F021B4HD001	632	F021C13A001
639	F021B3LD006	628	F021B45A006	633	F021B4CA006	641	F021B4HD006	632	F021C13A006
639	F021B3LD012	628	F021B45A012	633	F021B4CA012	641	F021B4HD012	632	F021C13A012
639	F021B3LD018	628	F021B45A018	633	F021B4CA018	641	F021B4HD018	632	F021C13A018
639	F021B3LD030	628	F021B45A030	633	F021B4CA030	641	F021B4HD030	632	F021C13A030
639	F021B3LD033	628	F021B45A033	633	F021B4CA033	641	F021B4HD033	632	F021C13A033
635	F021B3MA001	630	F021B46A001	638	F021B4CD001	629	F021B4JA001	638	F021C13D001
635	F021B3MA006	630	F021B46A006	638	F021B4CD006	629	F021B4JA006	638	F021C13D006
635	F021B3MA012	630	F021B46A012	638	F021B4CD012	629	F021B4JA012	638	F021C13D012
635	F021B3MA018	630	F021B46A018	638	F021B4CD018	629	F021B4JA018	638	F021C13D018
635	F021B3MA030	630	F021B46A030	638	F021B4CD030	629	F021B4JA030	638	F021C13D030
635	F021B3MA033	630	F021B46A033	638	F021B4CD033	629	F021B4JA033	638	F021C13D033
641	F021B3MD001	636	F021B46D001	635	F021B4DA001	631	F021B4KA001	634	F021C14A001
641	F021B3MD006	636	F021B46D006	635	F021B4DA006	631	F021B4KA006	634	F021C14A006
641	F021B3MD012	636	F021B46D012	635	F021B4DA012	631	F021B4KA012	634	F021C14A012
641	F021B3MD018	636	F021B46D018	635	F021B4DA018	631	F021B4KA018	634	F021C14A018
641	F021B3MD030	636	F021B46D030	635	F021B4DA030	631	F021B4KA030	634	F021C14A030
641	F021B3MD033	636	F021B46D033	635	F021B4DA033	631	F021B4KA033	634	F021C14A033
628	F021B41A001	632	F021B47A001	640	F021B4DD001	637	F021B4KD001	640	F021C14D001
628	F021B41A006	632	F021B47A006	640	F021B4DD006	637	F021B4KD006	640	F021C14D006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
640	F021C14D012	638	F021C1CD012	637	F021C1KD012	640	F021C24D012	638	F021C2CD012
640	F021C14D018	638	F021C1CD018	637	F021C1KD018	640	F021C24D018	638	F021C2CD018
640	F021C14D030	638	F021C1CD030	637	F021C1KD030	640	F021C24D030	638	F021C2CD030
640	F021C14D033	638	F021C1CD033	637	F021C1KD033	640	F021C24D033	638	F021C2CD033
630	F021C16A001	635	F021C1DA001	633	F021C1LA001	630	F021C26A001	635	F021C2DA001
630	F021C16A006	635	F021C1DA006	633	F021C1LA006	630	F021C26A006	635	F021C2DA006
630	F021C16A012	635	F021C1DA012	633	F021C1LA012	630	F021C26A012	635	F021C2DA012
630	F021C16A018	635	F021C1DA018	633	F021C1LA018	630	F021C26A018	635	F021C2DA018
630	F021C16A030	635	F021C1DA030	633	F021C1LA030	630	F021C26A030	635	F021C2DA030
630	F021C16A033	635	F021C1DA033	633	F021C1LA033	630	F021C26A033	635	F021C2DA033
636	F021C16D001	640	F021C1DD001	639	F021C1LD001	636	F021C26D001	640	F021C2DD001
636	F021C16D006	640	F021C1DD006	639	F021C1LD006	636	F021C26D006	640	F021C2DD006
636	F021C16D012	640	F021C1DD012	639	F021C1LD012	636	F021C26D012	640	F021C2DD012
636	F021C16D018	640	F021C1DD018	639	F021C1LD018	636	F021C26D018	640	F021C2DD018
636	F021C16D030	640	F021C1DD030	639	F021C1LD030	636	F021C26D030	640	F021C2DD030
636	F021C16D033	640	F021C1DD033	639	F021C1LD033	636	F021C26D033	640	F021C2DD033
632	F021C17A001	631	F021C1FA001	635	F021C1MA001	632	F021C27A001	631	F021C2FA001
632	F021C17A006	631	F021C1FA006	635	F021C1MA006	632	F021C27A006	631	F021C2FA006
632	F021C17A012	631	F021C1FA012	635	F021C1MA012	632	F021C27A012	631	F021C2FA012
632	F021C17A018	631	F021C1FA018	635	F021C1MA018	632	F021C27A018	631	F021C2FA018
632	F021C17A030	631	F021C1FA030	635	F021C1MA030	632	F021C27A030	631	F021C2FA030
632	F021C17A033	631	F021C1FA033	635	F021C1MA033	632	F021C27A033	631	F021C2FA033
638	F021C17D001	637	F021C1FD001	641	F021C1MD001	638	F021C27D001	637	F021C2FD001
638	F021C17D006	637	F021C1FD006	641	F021C1MD006	638	F021C27D006	637	F021C2FD006
638	F021C17D012	637	F021C1FD012	641	F021C1MD012	638	F021C27D012	637	F021C2FD012
638	F021C17D018	637	F021C1FD018	641	F021C1MD018	638	F021C27D018	637	F021C2FD018
638	F021C17D030	637	F021C1FD030	641	F021C1MD030	638	F021C27D030	637	F021C2FD030
638	F021C17D033	637	F021C1FD033	641	F021C1MD033	638	F021C27D033	637	F021C2FD033
634	F021C18A001	633	F021C1GA001	630	F021C22A001	634	F021C28A001	633	F021C2GA001
634	F021C18A006	633	F021C1GA006	630	F021C22A006	634	F021C28A006	633	F021C2GA006
634	F021C18A012	633	F021C1GA012	630	F021C22A012	634	F021C28A012	633	F021C2GA012
634	F021C18A018	633	F021C1GA018	630	F021C22A018	634	F021C28A018	633	F021C2GA018
634	F021C18A030	633	F021C1GA030	630	F021C22A030	634	F021C28A030	633	F021C2GA030
634	F021C18A033	633	F021C1GA033	630	F021C22A033	634	F021C28A033	633	F021C2GA033
640	F021C18D001	639	F021C1GD001	636	F021C22D001	640	F021C28D001	639	F021C2GD001
640	F021C18D006	639	F021C1GD006	636	F021C22D006	640	F021C28D006	639	F021C2GD006
640	F021C18D012	639	F021C1GD012	636	F021C22D012	640	F021C28D012	639	F021C2GD012
640	F021C18D018	639	F021C1GD018	636	F021C22D018	640	F021C28D018	639	F021C2GD018
640	F021C18D030	639	F021C1GD030	636	F021C22D030	640	F021C28D030	639	F021C2GD030
640	F021C18D033	639	F021C1GD033	636	F021C22D033	640	F021C28D033	639	F021C2GD033
631	F021C1BA001	635	F021C1HA001	632	F021C23A001	631	F021C2BA001	635	F021C2HA001
631	F021C1BA006	635	F021C1HA006	632	F021C23A006	631	F021C2BA006	635	F021C2HA006
631	F021C1BA012	635	F021C1HA012	632	F021C23A012	631	F021C2BA012	635	F021C2HA012
631	F021C1BA018	635	F021C1HA018	632	F021C23A018	631	F021C2BA018	635	F021C2HA018
631	F021C1BA030	635	F021C1HA030	632	F021C23A030	631	F021C2BA030	635	F021C2HA030
631	F021C1BA033	635	F021C1HA033	632	F021C23A033	631	F021C2BA033	635	F021C2HA033
636	F021C1BD001	641	F021C1HD001	638	F021C23D001	636	F021C2BD001	641	F021C2HD001
636	F021C1BD006	641	F021C1HD006	638	F021C23D006	636	F021C2BD006	641	F021C2HD006
636	F021C1BD012	641	F021C1HD012	638	F021C23D012	636	F021C2BD012	641	F021C2HD012
636	F021C1BD018	641	F021C1HD018	638	F021C23D018	636	F021C2BD018	641	F021C2HD018
636	F021C1BD030	641	F021C1HD030	638	F021C23D030	636	F021C2BD030	641	F021C2HD030
636	F021C1BD033	641	F021C1HD033	638	F021C23D033	636	F021C2BD033	641	F021C2HD033
633	F021C1CA001	631	F021C1KA001	634	F021C24A001	633	F021C2CA001	631	F021C2KA001
633	F021C1CA006	631	F021C1KA006	634	F021C24A006	633	F021C2CA006	631	F021C2KA006
633	F021C1CA012	631	F021C1KA012	634	F021C24A012	633	F021C2CA012	631	F021C2KA012
633	F021C1CA018	631	F021C1KA018	634	F021C24A018	633	F021C2CA018	631	F021C2KA018
633	F021C1CA030	631	F021C1KA030	634	F021C24A030	633	F021C2CA030	631	F021C2KA030
633	F021C1CA033	631	F021C1KA033	634	F021C24A033	633	F021C2CA033	631	F021C2KA033
638	F021C1CD001	637	F021C1KD001	640	F021C24D001	638	F021C2CD001	637	F021C2KD001
638	F021C1CD006	637	F021C1KD006	640	F021C24D006	638	F021C2CD006	637	F021C2KD006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
637	F021C2KD012	640	F021C34D012	638	F021C3CD012	637	F021C3KD012	640	F021C44D012
637	F021C2KD018	640	F021C34D018	638	F021C3CD018	637	F021C3KD018	640	F021C44D018
637	F021C2KD030	640	F021C34D030	638	F021C3CD030	637	F021C3KD030	640	F021C44D030
637	F021C2KD033	640	F021C34D033	638	F021C3CD033	637	F021C3KD033	640	F021C44D033
633	F021C2LA001	630	F021C36A001	635	F021C3DA001	633	F021C3LA001	630	F021C46A001
633	F021C2LA006	630	F021C36A006	635	F021C3DA006	633	F021C3LA006	630	F021C46A006
633	F021C2LA012	630	F021C36A012	635	F021C3DA012	633	F021C3LA012	630	F021C46A012
633	F021C2LA018	630	F021C36A018	635	F021C3DA018	633	F021C3LA018	630	F021C46A018
633	F021C2LA030	630	F021C36A030	635	F021C3DA030	633	F021C3LA030	630	F021C46A030
633	F021C2LA033	630	F021C36A033	635	F021C3DA033	633	F021C3LA033	630	F021C46A033
639	F021C2LD001	636	F021C36D001	640	F021C3DD001	639	F021C3LD001	636	F021C46D001
639	F021C2LD006	636	F021C36D006	640	F021C3DD006	639	F021C3LD006	636	F021C46D006
639	F021C2LD012	636	F021C36D012	640	F021C3DD012	639	F021C3LD012	636	F021C46D012
639	F021C2LD018	636	F021C36D018	640	F021C3DD018	639	F021C3LD018	636	F021C46D018
639	F021C2LD030	636	F021C36D030	640	F021C3DD030	639	F021C3LD030	636	F021C46D030
639	F021C2LD033	636	F021C36D033	640	F021C3DD033	639	F021C3LD033	636	F021C46D033
635	F021C2MA001	632	F021C37A001	631	F021C3FA001	635	F021C3MA001	632	F021C47A001
635	F021C2MA006	632	F021C37A006	631	F021C3FA006	635	F021C3MA006	632	F021C47A006
635	F021C2MA012	632	F021C37A012	631	F021C3FA012	635	F021C3MA012	632	F021C47A012
635	F021C2MA018	632	F021C37A018	631	F021C3FA018	635	F021C3MA018	632	F021C47A018
635	F021C2MA030	632	F021C37A030	631	F021C3FA030	635	F021C3MA030	632	F021C47A030
635	F021C2MA033	632	F021C37A033	631	F021C3FA033	635	F021C3MA033	632	F021C47A033
641	F021C2MD001	638	F021C37D001	637	F021C3FD001	641	F021C3MD001	638	F021C47D001
641	F021C2MD006	638	F021C37D006	637	F021C3FD006	641	F021C3MD006	638	F021C47D006
641	F021C2MD012	638	F021C37D012	637	F021C3FD012	641	F021C3MD012	638	F021C47D012
641	F021C2MD018	638	F021C37D018	637	F021C3FD018	641	F021C3MD018	638	F021C47D018
641	F021C2MD030	638	F021C37D030	637	F021C3FD030	641	F021C3MD030	638	F021C47D030
641	F021C2MD033	638	F021C37D033	637	F021C3FD033	641	F021C3MD033	638	F021C47D033
630	F021C32A001	634	F021C38A001	633	F021C3GA001	630	F021C42A001	634	F021C48A001
630	F021C32A006	634	F021C38A006	633	F021C3GA006	630	F021C42A006	634	F021C48A006
630	F021C32A012	634	F021C38A012	633	F021C3GA012	630	F021C42A012	634	F021C48A012
630	F021C32A018	634	F021C38A018	633	F021C3GA018	630	F021C42A018	634	F021C48A018
630	F021C32A030	634	F021C38A030	633	F021C3GA030	630	F021C42A030	634	F021C48A030
630	F021C32A033	634	F021C38A033	633	F021C3GA033	630	F021C42A033	634	F021C48A033
636	F021C32D001	640	F021C38D001	639	F021C3GD001	636	F021C42D001	640	F021C48D001
636	F021C32D006	640	F021C38D006	639	F021C3GD006	636	F021C42D006	640	F021C48D006
636	F021C32D012	640	F021C38D012	639	F021C3GD012	636	F021C42D012	640	F021C48D012
636	F021C32D018	640	F021C38D018	639	F021C3GD018	636	F021C42D018	640	F021C48D018
636	F021C32D030	640	F021C38D030	639	F021C3GD030	636	F021C42D030	640	F021C48D030
636	F021C32D033	640	F021C38D033	639	F021C3GD033	636	F021C42D033	640	F021C48D033
632	F021C33A001	631	F021C3BA001	635	F021C3HA001	632	F021C43A001	631	F021C4BA001
632	F021C33A006	631	F021C3BA006	635	F021C3HA006	632	F021C43A006	631	F021C4BA006
632	F021C33A012	631	F021C3BA012	635	F021C3HA012	632	F021C43A012	631	F021C4BA012
632	F021C33A018	631	F021C3BA018	635	F021C3HA018	632	F021C43A018	631	F021C4BA018
632	F021C33A030	631	F021C3BA030	635	F021C3HA030	632	F021C43A030	631	F021C4BA030
632	F021C33A033	631	F021C3BA033	635	F021C3HA033	632	F021C43A033	631	F021C4BA033
638	F021C33D001	636	F021C3BD001	641	F021C3HD001	638	F021C43D001	636	F021C4BD001
638	F021C33D006	636	F021C3BD006	641	F021C3HD006	638	F021C43D006	636	F021C4BD006
638	F021C33D012	636	F021C3BD012	641	F021C3HD012	638	F021C43D012	636	F021C4BD012
638	F021C33D018	636	F021C3BD018	641	F021C3HD018	638	F021C43D018	636	F021C4BD018
638	F021C33D030	636	F021C3BD030	641	F021C3HD030	638	F021C43D030	636	F021C4BD030
638	F021C33D033	636	F021C3BD033	641	F021C3HD033	638	F021C43D033	636	F021C4BD033
634	F021C34A001	633	F021C3CA001	631	F021C3KA001	634	F021C44A001	633	F021C4CA001
634	F021C34A006	633	F021C3CA006	631	F021C3KA006	634	F021C44A006	633	F021C4CA006
634	F021C34A012	633	F021C3CA012	631	F021C3KA012	634	F021C44A012	633	F021C4CA012
634	F021C34A018	633	F021C3CA018	631	F021C3KA018	634	F021C44A018	633	F021C4CA018
634	F021C34A030	633	F021C3CA030	631	F021C3KA030	634	F021C44A030	633	F021C4CA030
634	F021C34A033	633	F021C3CA033	631	F021C3KA033	634	F021C44A033	633	F021C4CA033
640	F021C34D001	638	F021C3CD001	637	F021C3KD001	640	F021C44D001	638	F021C4CD001
640	F021C34D006	638	F021C3CD006	637	F021C3KD006	640	F021C44D006	638	F021C4CD006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
638	F021C4CD012	637	F021C4KD012	645	F021G2MA012	644	F021G4KA012	644	F021H3JA012
638	F021C4CD018	637	F021C4KD018	645	F021G2MA018	644	F021G4KA018	644	F021H3JA018
638	F021C4CD030	637	F021C4KD030	645	F021G2MA030	644	F021G4KA030	644	F021H3JA030
638	F021C4CD033	637	F021C4KD033	645	F021G2MA033	644	F021G4KA033	644	F021H3JA033
635	F021C4DA001	633	F021C4LA001	647	F021G2MD001	646	F021G4KD001	644	F021H3KA001
635	F021C4DA006	633	F021C4LA006	647	F021G2MD006	646	F021G4KD006	644	F021H3KA006
635	F021C4DA012	633	F021C4LA012	647	F021G2MD012	646	F021G4KD012	644	F021H3KA012
635	F021C4DA018	633	F021C4LA018	647	F021G2MD018	646	F021G4KD018	644	F021H3KA018
635	F021C4DA030	633	F021C4LA030	647	F021G2MD030	646	F021G4KD030	644	F021H3KA030
635	F021C4DA033	633	F021C4LA033	647	F021G2MD033	646	F021G4KD033	644	F021H3KA033
640	F021C4DD001	639	F021C4LD001	644	F021G3JA001	645	F021G4LA001	645	F021H3LA001
640	F021C4DD006	639	F021C4LD006	644	F021G3JA006	645	F021G4LA006	645	F021H3LA006
640	F021C4DD012	639	F021C4LD012	644	F021G3JA012	645	F021G4LA012	645	F021H3LA012
640	F021C4DD018	639	F021C4LD018	644	F021G3JA018	645	F021G4LA018	645	F021H3LA018
640	F021C4DD030	639	F021C4LD030	644	F021G3JA030	645	F021G4LA030	645	F021H3LA030
640	F021C4DD033	639	F021C4LD033	644	F021G3JA033	645	F021G4LA033	645	F021H3LA033
631	F021C4FA001	635	F021C4MA001	644	F021G3KA001	646	F021G4LD001	645	F021H3MA001
631	F021C4FA006	635	F021C4MA006	644	F021G3KA006	646	F021G4LD006	645	F021H3MA006
631	F021C4FA012	635	F021C4MA012	644	F021G3KA012	646	F021G4LD012	645	F021H3MA012
631	F021C4FA018	635	F021C4MA018	644	F021G3KA018	646	F021G4LD018	645	F021H3MA018
631	F021C4FA030	635	F021C4MA030	644	F021G3KA030	646	F021G4LD030	645	F021H3MA030
631	F021C4FA033	635	F021C4MA033	644	F021G3KA033	646	F021G4LD033	645	F021H3MA033
637	F021C4FD001	641	F021C4MD001	646	F021G3KD001	645	F021G4MA001	644	F021H4JA001
637	F021C4FD006	641	F021C4MD006	646	F021G3KD006	645	F021G4MA006	644	F021H4JA006
637	F021C4FD012	641	F021C4MD012	646	F021G3KD012	645	F021G4MA012	644	F021H4JA012
637	F021C4FD018	641	F021C4MD018	646	F021G3KD018	645	F021G4MA018	644	F021H4JA018
637	F021C4FD030	641	F021C4MD030	646	F021G3KD030	645	F021G4MA030	644	F021H4JA030
637	F021C4FD033	641	F021C4MD033	646	F021G3KD033	645	F021G4MA033	644	F021H4JA033
633	F021C4GA001	644	F021G2JA001	645	F021G3LA001	647	F021G4MD001	644	F021H4KA001
633	F021C4GA006	644	F021G2JA006	645	F021G3LA006	647	F021G4MD006	644	F021H4KA006
633	F021C4GA012	644	F021G2JA012	645	F021G3LA012	647	F021G4MD012	644	F021H4KA012
633	F021C4GA018	644	F021G2JA018	645	F021G3LA018	647	F021G4MD018	644	F021H4KA018
633	F021C4GA030	644	F021G2JA030	645	F021G3LA030	647	F021G4MD030	644	F021H4KA030
633	F021C4GA033	644	F021G2JA033	645	F021G3LA033	647	F021G4MD033	644	F021H4KA033
639	F021C4GD001	644	F021G2KA001	646	F021G3LD001	644	F021H2JA001	645	F021H4LA001
639	F021C4GD006	644	F021G2KA006	646	F021G3LD006	644	F021H2JA006	645	F021H4LA006
639	F021C4GD012	644	F021G2KA012	646	F021G3LD012	644	F021H2JA012	645	F021H4LA012
639	F021C4GD018	644	F021G2KA018	646	F021G3LD018	644	F021H2JA018	645	F021H4LA018
639	F021C4GD030	644	F021G2KA030	646	F021G3LD030	644	F021H2JA030	645	F021H4LA030
639	F021C4GD033	644	F021G2KA033	646	F021G3LD033	644	F021H2JA033	645	F021H4LA033
635	F021C4HA001	646	F021G2KD001	645	F021G3MA001	644	F021H2KA001	645	F021H4MA001
635	F021C4HA006	646	F021G2KD006	645	F021G3MA006	644	F021H2KA006	645	F021H4MA006
635	F021C4HA012	646	F021G2KD012	645	F021G3MA012	644	F021H2KA012	645	F021H4MA012
635	F021C4HA018	646	F021G2KD018	645	F021G3MA018	644	F021H2KA018	645	F021H4MA018
635	F021C4HA030	646	F021G2KD030	645	F021G3MA030	644	F021H2KA030	645	F021H4MA030
635	F021C4HA033	646	F021G2KD033	645	F021G3MA033	644	F021H2KA033	645	F021H4MA033
641	F021C4HD001	645	F021G2LA001	647	F021G3MD001	645	F021H2LA001	644	F021J2KA001
641	F021C4HD006	645	F021G2LA006	647	F021G3MD006	645	F021H2LA006	644	F021J2KA006
641	F021C4HD012	645	F021G2LA012	647	F021G3MD012	645	F021H2LA012	644	F021J2KA012
641	F021C4HD018	645	F021G2LA018	647	F021G3MD018	645	F021H2LA018	644	F021J2KA018
641	F021C4HD030	645	F021G2LA030	647	F021G3MD030	645	F021H2LA030	644	F021J2KA030
641	F021C4HD033	645	F021G2LA033	647	F021G3MD033	645	F021H2LA033	644	F021J2KA033
631	F021C4KA001	646	F021G2LD001	644	F021G4JA001	645	F021H2MA001	646	F021J2KD001
631	F021C4KA006	646	F021G2LD006	644	F021G4JA006	645	F021H2MA006	646	F021J2KD006
631	F021C4KA012	646	F021G2LD012	644	F021G4JA012	645	F021H2MA012	646	F021J2KD012
631	F021C4KA018	646	F021G2LD018	644	F021G4JA018	645	F021H2MA018	646	F021J2KD018
631	F021C4KA030	646	F021G2LD030	644	F021G4JA030	645	F021H2MA030	646	F021J2KD030
631	F021C4KA033	646	F021G2LD033	644	F021G4JA033	645	F021H2MA033	646	F021J2KD033
637	F021C4KD001	645	F021G2MA001	644	F021G4KA001	644	F021H3JA001	645	F021J2LA001
637	F021C4KD006	645	F021G2MA006	644	F021G4KA006	644	F021H3JA006	645	F021J2LA006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
645	F021J2LA012	644	F021J4KA012	648	F021LTKD012	643	F021PTLD012	170	F023B2BA033
645	F021J2LA018	644	F021J4KA018	648	F021LTKD018	643	F021PTLD018	170	F023B2BB001
645	F021J2LA030	644	F021J4KA030	648	F021LTKD030	643	F021PTLD030	170	F023B2BB006
645	F021J2LA033	644	F021J4KA033	648	F021LTKD033	643	F021PTLD033	170	F023B2BB012
646	F021J2LD001	646	F021J4KD001	648	F021LTLD001	643	F021PTMD001	170	F023B2BB018
646	F021J2LD006	646	F021J4KD006	648	F021LTLD006	643	F021PTMD006	170	F023B2BB030
646	F021J2LD012	646	F021J4KD012	648	F021LTLD012	643	F021PTMD012	170	F023B2BB033
646	F021J2LD018	646	F021J4KD018	648	F021LTLD018	643	F021PTMD018	170	F023B2BD001
646	F021J2LD030	646	F021J4KD030	648	F021LTLD030	643	F021PTMD030	170	F023B2BD006
646	F021J2LD033	646	F021J4KD033	648	F021LTLD033	643	F021PTMD033	170	F023B2BD012
645	F021J2MA001	645	F021J4LA001	648	F021LTMD001	643	F021QTKD001	170	F023B2BD018
645	F021J2MA006	645	F021J4LA006	648	F021LTMD006	643	F021QTKD006	170	F023B2BD030
645	F021J2MA012	645	F021J4LA012	648	F021LTMD012	643	F021QTKD012	170	F023B2BD033
645	F021J2MA018	645	F021J4LA018	648	F021LTMD018	643	F021QTKD018	170	F023B3AA001
645	F021J2MA030	645	F021J4LA030	648	F021LTMD030	643	F021QTKD030	170	F023B3AA006
645	F021J2MA033	645	F021J4LA033	648	F021LTMD033	643	F021QTKD033	170	F023B3AA012
647	F021J2MD001	646	F021J4LD001	642	F021MRKJ001	643	F021QTLD001	170	F023B3AA018
647	F021J2MD006	646	F021J4LD006	642	F021MRKJ006	643	F021QTLD006	170	F023B3AA030
647	F021J2MD012	646	F021J4LD012	642	F021MRKJ012	643	F021QTLD012	170	F023B3AA033
647	F021J2MD018	646	F021J4LD018	642	F021MRKJ018	643	F021QTLD018	170	F023B3AB001
647	F021J2MD030	646	F021J4LD030	642	F021MRKJ030	643	F021QTLD030	170	F023B3AB006
647	F021J2MD033	646	F021J4LD033	642	F021MRKJ033	643	F021QTLD033	170	F023B3AB012
644	F021J3KA001	645	F021J4MA001	642	F021MRLJ001	643	F021QTMD001	170	F023B3AB018
644	F021J3KA006	645	F021J4MA006	642	F021MRLJ006	643	F021QTMD006	170	F023B3AB030
644	F021J3KA012	645	F021J4MA012	642	F021MRLJ012	643	F021QTMD012	170	F023B3AB033
644	F021J3KA018	645	F021J4MA018	642	F021MRLJ018	643	F021QTMD018	170	F023B3AD001
644	F021J3KA030	645	F021J4MA030	642	F021MRLJ030	643	F021QTMD030	170	F023B3AD006
644	F021J3KA033	645	F021J4MA033	642	F021MRLJ033	643	F021QTMD033	170	F023B3AD012
646	F021J3KD001	647	F021J4MD001	642	F021MRMJ001	624	F021Z010000	170	F023B3AD018
646	F021J3KD006	647	F021J4MD006	642	F021MRMJ006	649	F021Z020000	170	F023B3AD030
646	F021J3KD012	647	F021J4MD012	642	F021MRMJ012	649	F021Z030000	170	F023B3AD033
646	F021J3KD018	647	F021J4MD018	642	F021MRMJ018	650	F021Z040000	170	F023B3BA001
646	F021J3KD030	647	F021J4MD030	642	F021MRMJ030	650	F021Z050000	170	F023B3BA006
646	F021J3KD033	647	F021J4MD033	642	F021MRMJ033	650	F021Z060000	170	F023B3BA012
645	F021J3LA001	648	F021KTJD001	642	F021MWKJ001	624	F021Z070000	170	F023B3BA018
645	F021J3LA006	648	F021KTJD006	642	F021MWKJ006	624	F021Z090000	170	F023B3BA030
645	F021J3LA012	648	F021KTJD012	642	F021MWKJ012	624	F021Z100000	170	F023B3BA033
645	F021J3LA018	648	F021KTJD018	642	F021MWKJ018	170	F023B2AA001	170	F023B3BB001
645	F021J3LA030	648	F021KTJD030	642	F021MWKJ030	170	F023B2AA006	170	F023B3BB006
645	F021J3LA033	648	F021KTJD033	642	F021MWKJ033	170	F023B2AA012	170	F023B3BB012
646	F021J3LD001	648	F021KTKD001	642	F021MWLJ001	170	F023B2AA018	170	F023B3BB018
646	F021J3LD006	648	F021KTKD006	642	F021MWLJ006	170	F023B2AA030	170	F023B3BB030
646	F021J3LD012	648	F021KTKD012	642	F021MWLJ012	170	F023B2AA033	170	F023B3BB033
646	F021J3LD018	648	F021KTKD018	642	F021MWLJ018	170	F023B2AB001	170	F023B3BD001
646	F021J3LD030	648	F021KTKD030	642	F021MWLJ030	170	F023B2AB006	170	F023B3BD006
646	F021J3LD033	648	F021KTKD033	642	F021MWLJ033	170	F023B2AB012	170	F023B3BD012
645	F021J3MA001	648	F021KTLD001	642	F021MWMJ001	170	F023B2AB018	170	F023B3BD018
645	F021J3MA006	648	F021KTLD006	642	F021MWMJ006	170	F023B2AB030	170	F023B3BD030
645	F021J3MA012	648	F021KTLD012	642	F021MWMJ012	170	F023B2AB033	170	F023B3BD033
645	F021J3MA018	648	F021KTLD018	642	F021MWMJ018	170	F023B2AD001	170	F023B4AA001
645	F021J3MA030	648	F021KTLD030	642	F021MWMJ030	170	F023B2AD006	170	F023B4AA006
645	F021J3MA033	648	F021KTLD033	642	F021MWMJ033	170	F023B2AD012	170	F023B4AA012
647	F021J3MD001	648	F021KTMD001	643	F021PTKD001	170	F023B2AD018	170	F023B4AA018
647	F021J3MD006	648	F021KTMD006	643	F021PTKD006	170	F023B2AD030	170	F023B4AA030
647	F021J3MD012	648	F021KTMD012	643	F021PTKD012	170	F023B2AD033	170	F023B4AA033
647	F021J3MD018	648	F021KTMD018	643	F021PTKD018	170	F023B2BA001	170	F023B4AB001
647	F021J3MD030	648	F021KTMD030	643	F021PTKD030	170	F023B2BA006	170	F023B4AB006
647	F021J3MD033	648	F021KTMD033	643	F021PTKD033	170	F023B2BA012	170	F023B4AB012
644	F021J4KA001	648	F021LTKD001	643	F021PTLD001	170	F023B2BA018	170	F023B4AB018
644	F021J4KA006	648	F021LTKD006	643	F021PTLD006	170	F023B2BA030	170	F023B4AB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
170	F023B4AB033	171	F023C2DD033	171	F023C4DA033	165	F023E2CB033	165	F023E3CD033
170	F023B4AD001	171	F023C3CA001	171	F023C4DB001	165	F023E2CD001	164	F023E4AA001
170	F023B4AD006	171	F023C3CA006	171	F023C4DB006	165	F023E2CD006	164	F023E4AA006
170	F023B4AD012	171	F023C3CA012	171	F023C4DB012	165	F023E2CD012	164	F023E4AA012
170	F023B4AD018	171	F023C3CA018	171	F023C4DB018	165	F023E2CD018	164	F023E4AA018
170	F023B4AD030	171	F023C3CA030	171	F023C4DB030	165	F023E2CD030	164	F023E4AA030
170	F023B4AD033	171	F023C3CA033	171	F023C4DB033	165	F023E2CD033	164	F023E4AA033
170	F023B4BA001	171	F023C3CB001	171	F023C4DD001	164	F023E3AA001	164	F023E4AB001
170	F023B4BA006	171	F023C3CB006	171	F023C4DD006	164	F023E3AA006	164	F023E4AB006
170	F023B4BA012	171	F023C3CB012	171	F023C4DD012	164	F023E3AA012	164	F023E4AB012
170	F023B4BA018	171	F023C3CB018	171	F023C4DD018	164	F023E3AA018	164	F023E4AB018
170	F023B4BA030	171	F023C3CB030	171	F023C4DD030	164	F023E3AA030	164	F023E4AB030
170	F023B4BA033	171	F023C3CB033	171	F023C4DD033	164	F023E3AA033	164	F023E4AB033
170	F023B4BB001	171	F023C3CD001	164	F023E2AA001	164	F023E3AB001	164	F023E4AD001
170	F023B4BB006	171	F023C3CD006	164	F023E2AA006	164	F023E3AB006	164	F023E4AD006
170	F023B4BB012	171	F023C3CD012	164	F023E2AA012	164	F023E3AB012	164	F023E4AD012
170	F023B4BB018	171	F023C3CD018	164	F023E2AA018	164	F023E3AB018	164	F023E4AD018
170	F023B4BB030	171	F023C3CD030	164	F023E2AA030	164	F023E3AB030	164	F023E4AD030
170	F023B4BB033	171	F023C3CD033	164	F023E2AA033	164	F023E3AB033	164	F023E4AD033
170	F023B4BD001	171	F023C3DA001	164	F023E2AB001	164	F023E3AD001	164	F023E4BA001
170	F023B4BD006	171	F023C3DA006	164	F023E2AB006	164	F023E3AD006	164	F023E4BA006
170	F023B4BD012	171	F023C3DA012	164	F023E2AB012	164	F023E3AD012	164	F023E4BA012
170	F023B4BD018	171	F023C3DA018	164	F023E2AB018	164	F023E3AD018	164	F023E4BA018
170	F023B4BD030	171	F023C3DA030	164	F023E2AB030	164	F023E3AD030	164	F023E4BA030
170	F023B4BD033	171	F023C3DA033	164	F023E2AB033	164	F023E3AD033	164	F023E4BA033
171	F023C2CA001	171	F023C3DB001	164	F023E2AD001	164	F023E3BA001	164	F023E4BB001
171	F023C2CA006	171	F023C3DB006	164	F023E2AD006	164	F023E3BA006	164	F023E4BB006
171	F023C2CA012	171	F023C3DB012	164	F023E2AD012	164	F023E3BA012	164	F023E4BB012
171	F023C2CA018	171	F023C3DB018	164	F023E2AD018	164	F023E3BA018	164	F023E4BB018
171	F023C2CA030	171	F023C3DB030	164	F023E2AD030	164	F023E3BA030	164	F023E4BB030
171	F023C2CA033	171	F023C3DB033	164	F023E2AD033	164	F023E3BA033	164	F023E4BB033
171	F023C2CB001	171	F023C3DD001	164	F023E2BA001	164	F023E3BB001	164	F023E4BD001
171	F023C2CB006	171	F023C3DD006	164	F023E2BA006	164	F023E3BB006	164	F023E4BD006
171	F023C2CB012	171	F023C3DD012	164	F023E2BA012	164	F023E3BB012	164	F023E4BD012
171	F023C2CB018	171	F023C3DD018	164	F023E2BA018	164	F023E3BB018	164	F023E4BD018
171	F023C2CB030	171	F023C3DD030	164	F023E2BA030	164	F023E3BB030	164	F023E4BD030
171	F023C2CB033	171	F023C3DD033	164	F023E2BA033	164	F023E3BB033	164	F023E4BD033
171	F023C2CD001	171	F023C4CA001	164	F023E2BB001	164	F023E3BD001	165	F023E4CA001
171	F023C2CD006	171	F023C4CA006	164	F023E2BB006	164	F023E3BD006	165	F023E4CA006
171	F023C2CD012	171	F023C4CA012	164	F023E2BB012	164	F023E3BD012	165	F023E4CA012
171	F023C2CD018	171	F023C4CA018	164	F023E2BB018	164	F023E3BD018	165	F023E4CA018
171	F023C2CD030	171	F023C4CA030	164	F023E2BB030	164	F023E3BD030	165	F023E4CA030
171	F023C2CD033	171	F023C4CA033	164	F023E2BB033	164	F023E3BD033	165	F023E4CA033
171	F023C2DA001	171	F023C4CB001	164	F023E2BD001	165	F023E3CA001	165	F023E4CB001
171	F023C2DA006	171	F023C4CB006	164	F023E2BD006	165	F023E3CA006	165	F023E4CB006
171	F023C2DA012	171	F023C4CB012	164	F023E2BD012	165	F023E3CA012	165	F023E4CB012
171	F023C2DA018	171	F023C4CB018	164	F023E2BD018	165	F023E3CA018	165	F023E4CB018
171	F023C2DA030	171	F023C4CB030	164	F023E2BD030	165	F023E3CA030	165	F023E4CB030
171	F023C2DA033	171	F023C4CB033	164	F023E2BD033	165	F023E3CA033	165	F023E4CB033
171	F023C2DB001	171	F023C4CD001	165	F023E2CA001	165	F023E3CB001	165	F023E4CD001
171	F023C2DB006	171	F023C4CD006	165	F023E2CA006	165	F023E3CB006	165	F023E4CD006
171	F023C2DB012	171	F023C4CD012	165	F023E2CA012	165	F023E3CB012	165	F023E4CD012
171	F023C2DB018	171	F023C4CD018	165	F023E2CA018	165	F023E3CB018	165	F023E4CD018
171	F023C2DB030	171	F023C4CD030	165	F023E2CA030	165	F023E3CB030	165	F023E4CD030
171	F023C2DB033	171	F023C4CD033	165	F023E2CA033	165	F023E3CB033	165	F023E4CD033
171	F023C2DD001	171	F023C4DA001	165	F023E2CB001	165	F023E3CD001	167	F023F2AA001
171	F023C2DD006	171	F023C4DA006	165	F023E2CB006	165	F023E3CD006	167	F023F2AA006
171	F023C2DD012	171	F023C4DA012	165	F023E2CB012	165	F023E3CD012	167	F023F2AA012
171	F023C2DD018	171	F023C4DA018	165	F023E2CB018	165	F023E3CD018	167	F023F2AA018
171	F023C2DD030	171	F023C4DA030	165	F023E2CB030	165	F023E3CD030	167	F023F2AA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
167	F023F2AA033	167	F023F3AB033	167	F023F4AD033	172	F023G2EA033	172	F023G3FA033
167	F023F2AB001	167	F023F3AD001	167	F023F4BA001	172	F023G2FA001	172	F023G3GA001
167	F023F2AB006	167	F023F3AD006	167	F023F4BA006	172	F023G2FA006	172	F023G3GA006
167	F023F2AB012	167	F023F3AD012	167	F023F4BA012	172	F023G2FA012	172	F023G3GA012
167	F023F2AB018	167	F023F3AD018	167	F023F4BA018	172	F023G2FA018	172	F023G3GA018
167	F023F2AB030	167	F023F3AD030	167	F023F4BA030	172	F023G2FA030	172	F023G3GA030
167	F023F2AB033	167	F023F3AD033	167	F023F4BA033	172	F023G2FA033	172	F023G3GA033
167	F023F2AD001	167	F023F3BA001	167	F023F4BB001	172	F023G2GA001	173	F023G3JA001
167	F023F2AD006	167	F023F3BA006	167	F023F4BB006	172	F023G2GA006	173	F023G3JA006
167	F023F2AD012	167	F023F3BA012	167	F023F4BB012	172	F023G2GA012	173	F023G3JA012
167	F023F2AD018	167	F023F3BA018	167	F023F4BB018	172	F023G2GA018	173	F023G3JA018
167	F023F2AD030	167	F023F3BA030	167	F023F4BB030	172	F023G2GA030	173	F023G3JA030
167	F023F2AD033	167	F023F3BA033	167	F023F4BB033	172	F023G2GA033	173	F023G3JA033
167	F023F2BA001	167	F023F3BB001	167	F023F4BD001	173	F023G2JA001	173	F023G3KA001
167	F023F2BA006	167	F023F3BB006	167	F023F4BD006	173	F023G2JA006	173	F023G3KA006
167	F023F2BA012	167	F023F3BB012	167	F023F4BD012	173	F023G2JA012	173	F023G3KA012
167	F023F2BA018	167	F023F3BB018	167	F023F4BD018	173	F023G2JA018	173	F023G3KA018
167	F023F2BA030	167	F023F3BB030	167	F023F4BD030	173	F023G2JA030	173	F023G3KA030
167	F023F2BA033	167	F023F3BB033	167	F023F4BD033	173	F023G2JA033	173	F023G3KA033
167	F023F2BB001	167	F023F3BD001	168	F023F4CA001	173	F023G2KA001	173	F023G3LA001
167	F023F2BB006	167	F023F3BD006	168	F023F4CA006	173	F023G2KA006	173	F023G3LA006
167	F023F2BB012	167	F023F3BD012	168	F023F4CA012	173	F023G2KA012	173	F023G3LA012
167	F023F2BB018	167	F023F3BD018	168	F023F4CA018	173	F023G2KA018	173	F023G3LA018
167	F023F2BB030	167	F023F3BD030	168	F023F4CA030	173	F023G2KA030	173	F023G3LA030
167	F023F2BB033	167	F023F3BD033	168	F023F4CA033	173	F023G2KA033	173	F023G3LA033
167	F023F2BD001	168	F023F3CA001	168	F023F4CB001	173	F023G2LA001	174	F023G45A001
167	F023F2BD006	168	F023F3CA006	168	F023F4CB006	173	F023G2LA006	174	F023G45A006
167	F023F2BD012	168	F023F3CA012	168	F023F4CB012	173	F023G2LA012	174	F023G45A012
167	F023F2BD018	168	F023F3CA018	168	F023F4CB018	173	F023G2LA018	174	F023G45A018
167	F023F2BD030	168	F023F3CA030	168	F023F4CB030	173	F023G2LA030	174	F023G45A030
167	F023F2BD033	168	F023F3CA033	168	F023F4CB033	173	F023G2LA033	174	F023G45A033
168	F023F2CA001	168	F023F3CB001	168	F023F4CD001	174	F023G35A001	174	F023G46A001
168	F023F2CA006	168	F023F3CB006	168	F023F4CD006	174	F023G35A006	174	F023G46A006
168	F023F2CA012	168	F023F3CB012	168	F023F4CD012	174	F023G35A012	174	F023G46A012
168	F023F2CA018	168	F023F3CB018	168	F023F4CD018	174	F023G35A018	174	F023G46A018
168	F023F2CA030	168	F023F3CB030	168	F023F4CD030	174	F023G35A030	174	F023G46A030
168	F023F2CA033	168	F023F3CB033	168	F023F4CD033	174	F023G35A033	174	F023G46A033
168	F023F2CB001	168	F023F3CD001	174	F023G25A001	174	F023G36A001	174	F023G47A001
168	F023F2CB006	168	F023F3CD006	174	F023G25A006	174	F023G36A006	174	F023G47A006
168	F023F2CB012	168	F023F3CD012	174	F023G25A012	174	F023G36A012	174	F023G47A012
168	F023F2CB018	168	F023F3CD018	174	F023G25A018	174	F023G36A018	174	F023G47A018
168	F023F2CB030	168	F023F3CD030	174	F023G25A030	174	F023G36A030	174	F023G47A030
168	F023F2CB033	168	F023F3CD033	174	F023G25A033	174	F023G36A033	174	F023G47A033
168	F023F2CD001	167	F023F4AA001	174	F023G26A001	174	F023G37A001	172	F023G4EA001
168	F023F2CD006	167	F023F4AA006	174	F023G26A006	174	F023G37A006	172	F023G4EA006
168	F023F2CD012	167	F023F4AA012	174	F023G26A012	174	F023G37A012	172	F023G4EA012
168	F023F2CD018	167	F023F4AA018	174	F023G26A018	174	F023G37A018	172	F023G4EA018
168	F023F2CD030	167	F023F4AA030	174	F023G26A030	174	F023G37A030	172	F023G4EA030
168	F023F2CD033	167	F023F4AA033	174	F023G26A033	174	F023G37A033	172	F023G4EA033
167	F023F3AA001	167	F023F4AB001	174	F023G27A001	172	F023G3EA001	172	F023G4FA001
167	F023F3AA006	167	F023F4AB006	174	F023G27A006	172	F023G3EA006	172	F023G4FA006
167	F023F3AA012	167	F023F4AB012	174	F023G27A012	172	F023G3EA012	172	F023G4FA012
167	F023F3AA018	167	F023F4AB018	174	F023G27A018	172	F023G3EA018	172	F023G4FA018
167	F023F3AA030	167	F023F4AB030	174	F023G27A030	172	F023G3EA030	172	F023G4FA030
167	F023F3AA033	167	F023F4AB033	174	F023G27A033	172	F023G3EA033	172	F023G4FA033
167	F023F3AB001	167	F023F4AD001	172	F023G2EA001	172	F023G3FA001	172	F023G4GA001
167	F023F3AB006	167	F023F4AD006	172	F023G2EA006	172	F023G3FA006	172	F023G4GA006
167	F023F3AB012	167	F023F4AD012	172	F023G2EA012	172	F023G3FA012	172	F023G4GA012
167	F023F3AB018	167	F023F4AD018	172	F023G2EA018	172	F023G3FA018	172	F023G4GA018
167	F023F3AB030	167	F023F4AD030	172	F023G2EA030	172	F023G3FA030	172	F023G4GA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
172	F023G4GA033	176	F023H26A033	176	F023H35B033	175	F023H43A033	178	F023J21A033
173	F023G4JA001	176	F023H26B001	176	F023H35D001	176	F023H45A001	178	F023J21B001
173	F023G4JA006	176	F023H26B006	176	F023H35D006	176	F023H45A006	178	F023J21B006
173	F023G4JA012	176	F023H26B012	176	F023H35D012	176	F023H45A012	178	F023J21B012
173	F023G4JA018	176	F023H26B018	176	F023H35D018	176	F023H45A018	178	F023J21B018
173	F023G4JA030	176	F023H26B030	176	F023H35D030	176	F023H45A030	178	F023J21B030
173	F023G4JA033	176	F023H26B033	176	F023H35D033	176	F023H45A033	178	F023J21B033
173	F023G4KA001	176	F023H26D001	176	F023H36A001	176	F023H45B001	178	F023J21D001
173	F023G4KA006	176	F023H26D006	176	F023H36A006	176	F023H45B006	178	F023J21D006
173	F023G4KA012	176	F023H26D012	176	F023H36A012	176	F023H45B012	178	F023J21D012
173	F023G4KA018	176	F023H26D018	176	F023H36A018	176	F023H45B018	178	F023J21D018
173	F023G4KA030	176	F023H26D030	176	F023H36A030	176	F023H45B030	178	F023J21D030
173	F023G4KA033	176	F023H26D033	176	F023H36A033	176	F023H45B033	178	F023J21D033
173	F023G4LA001	177	F023H27A001	176	F023H36B001	176	F023H45D001	178	F023J22A001
173	F023G4LA006	177	F023H27A006	176	F023H36B006	176	F023H45D006	178	F023J22A006
173	F023G4LA012	177	F023H27A012	176	F023H36B012	176	F023H45D012	178	F023J22A012
173	F023G4LA018	177	F023H27A018	176	F023H36B018	176	F023H45D018	178	F023J22A018
173	F023G4LA030	177	F023H27A030	176	F023H36B030	176	F023H45D030	178	F023J22A030
173	F023G4LA033	177	F023H27A033	176	F023H36B033	176	F023H45D033	178	F023J22A033
175	F023H21A001	177	F023H27B001	176	F023H36D001	176	F023H46A001	178	F023J22B001
175	F023H21A006	177	F023H27B006	176	F023H36D006	176	F023H46A006	178	F023J22B006
175	F023H21A012	177	F023H27B012	176	F023H36D012	176	F023H46A012	178	F023J22B012
175	F023H21A018	177	F023H27B018	176	F023H36D018	176	F023H46A018	178	F023J22B018
175	F023H21A030	177	F023H27B030	176	F023H36D030	176	F023H46A030	178	F023J22B030
175	F023H21A033	177	F023H27B033	176	F023H36D033	176	F023H46A033	178	F023J22B033
175	F023H22A001	177	F023H27D001	177	F023H37A001	176	F023H46B001	178	F023J22D001
175	F023H22A006	177	F023H27D006	177	F023H37A006	176	F023H46B006	178	F023J22D006
175	F023H22A012	177	F023H27D012	177	F023H37A012	176	F023H46B012	178	F023J22D012
175	F023H22A018	177	F023H27D018	177	F023H37A018	176	F023H46B018	178	F023J22D018
175	F023H22A030	177	F023H27D030	177	F023H37A030	176	F023H46B030	178	F023J22D030
175	F023H22A033	177	F023H27D033	177	F023H37A033	176	F023H46B033	178	F023J22D033
175	F023H23A001	175	F023H31A001	177	F023H37B001	176	F023H46D001	179	F023J23A001
175	F023H23A006	175	F023H31A006	177	F023H37B006	176	F023H46D006	179	F023J23A006
175	F023H23A012	175	F023H31A012	177	F023H37B012	176	F023H46D012	179	F023J23A012
175	F023H23A018	175	F023H31A018	177	F023H37B018	176	F023H46D018	179	F023J23A018
175	F023H23A030	175	F023H31A030	177	F023H37B030	176	F023H46D030	179	F023J23A030
175	F023H23A033	175	F023H31A033	177	F023H37B033	176	F023H46D033	179	F023J23A033
176	F023H25A001	175	F023H32A001	177	F023H37D001	177	F023H47A001	179	F023J23B001
176	F023H25A006	175	F023H32A006	177	F023H37D006	177	F023H47A006	179	F023J23B006
176	F023H25A012	175	F023H32A012	177	F023H37D012	177	F023H47A012	179	F023J23B012
176	F023H25A018	175	F023H32A018	177	F023H37D018	177	F023H47A018	179	F023J23B018
176	F023H25A030	175	F023H32A030	177	F023H37D030	177	F023H47A030	179	F023J23B030
176	F023H25A033	175	F023H32A033	177	F023H37D033	177	F023H47A033	179	F023J23B033
176	F023H25B001	175	F023H33A001	175	F023H41A001	177	F023H47B001	179	F023J23D001
176	F023H25B006	175	F023H33A006	175	F023H41A006	177	F023H47B006	179	F023J23D006
176	F023H25B012	175	F023H33A012	175	F023H41A012	177	F023H47B012	179	F023J23D012
176	F023H25B018	175	F023H33A018	175	F023H41A018	177	F023H47B018	179	F023J23D018
176	F023H25B030	175	F023H33A030	175	F023H41A030	177	F023H47B030	179	F023J23D030
176	F023H25B033	175	F023H33A033	175	F023H41A033	177	F023H47B033	179	F023J23D033
176	F023H25D001	176	F023H35A001	175	F023H42A001	177	F023H47D001	180	F023J25A001
176	F023H25D006	176	F023H35A006	175	F023H42A006	177	F023H47D006	180	F023J25A006
176	F023H25D012	176	F023H35A012	175	F023H42A012	177	F023H47D012	180	F023J25A012
176	F023H25D018	176	F023H35A018	175	F023H42A018	177	F023H47D018	180	F023J25A018
176	F023H25D030	176	F023H35A030	175	F023H42A030	177	F023H47D030	180	F023J25A030
176	F023H25D033	176	F023H35A033	175	F023H42A033	177	F023H47D033	180	F023J25A033
176	F023H26A001	176	F023H35B001	175	F023H43A001	178	F023J21A001	180	F023J25B001
176	F023H26A006	176	F023H35B006	175	F023H43A006	178	F023J21A006	180	F023J25B006
176	F023H26A012	176	F023H35B012	175	F023H43A012	178	F023J21A012	180	F023J25B012
176	F023H26A018	176	F023H35B018	175	F023H43A018	178	F023J21A018	180	F023J25B018
176	F023H26A030	176	F023H35B030	175	F023H43A030	178	F023J21A030	180	F023J25B030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
180	F023J25B033	178	F023J31D033	180	F023J36A033	178	F023J42B033	180	F023J46D033
180	F023J25D001	178	F023J32A001	180	F023J36B001	178	F023J42D001	181	F023J47A001
180	F023J25D006	178	F023J32A006	180	F023J36B006	178	F023J42D006	181	F023J47A006
180	F023J25D012	178	F023J32A012	180	F023J36B012	178	F023J42D012	181	F023J47A012
180	F023J25D018	178	F023J32A018	180	F023J36B018	178	F023J42D018	181	F023J47A018
180	F023J25D030	178	F023J32A030	180	F023J36B030	178	F023J42D030	181	F023J47A030
180	F023J25D033	178	F023J32A033	180	F023J36B033	178	F023J42D033	181	F023J47A033
180	F023J26A001	178	F023J32B001	180	F023J36D001	179	F023J43A001	181	F023J47B001
180	F023J26A006	178	F023J32B006	180	F023J36D006	179	F023J43A006	181	F023J47B006
180	F023J26A012	178	F023J32B012	180	F023J36D012	179	F023J43A012	181	F023J47B012
180	F023J26A018	178	F023J32B018	180	F023J36D018	179	F023J43A018	181	F023J47B018
180	F023J26A030	178	F023J32B030	180	F023J36D030	179	F023J43A030	181	F023J47B030
180	F023J26A033	178	F023J32B033	180	F023J36D033	179	F023J43A033	181	F023J47B033
180	F023J26B001	178	F023J32D001	181	F023J37A001	179	F023J43B001	181	F023J47D001
180	F023J26B006	178	F023J32D006	181	F023J37A006	179	F023J43B006	181	F023J47D006
180	F023J26B012	178	F023J32D012	181	F023J37A012	179	F023J43B012	181	F023J47D012
180	F023J26B018	178	F023J32D018	181	F023J37A018	179	F023J43B018	181	F023J47D018
180	F023J26B030	178	F023J32D030	181	F023J37A030	179	F023J43B030	181	F023J47D030
180	F023J26B033	178	F023J32D033	181	F023J37A033	179	F023J43B033	181	F023J47D033
180	F023J26D001	179	F023J33A001	181	F023J37B001	179	F023J43D001	182	F023K21A001
180	F023J26D006	179	F023J33A006	181	F023J37B006	179	F023J43D006	182	F023K21A006
180	F023J26D012	179	F023J33A012	181	F023J37B012	179	F023J43D012	182	F023K21A012
180	F023J26D018	179	F023J33A018	181	F023J37B018	179	F023J43D018	182	F023K21A018
180	F023J26D030	179	F023J33A030	181	F023J37B030	179	F023J43D030	182	F023K21A030
180	F023J26D033	179	F023J33A033	181	F023J37B033	179	F023J43D033	182	F023K21A033
181	F023J27A001	179	F023J33B001	181	F023J37D001	180	F023J45A001	182	F023K22A001
181	F023J27A006	179	F023J33B006	181	F023J37D006	180	F023J45A006	182	F023K22A006
181	F023J27A012	179	F023J33B012	181	F023J37D012	180	F023J45A012	182	F023K22A012
181	F023J27A018	179	F023J33B018	181	F023J37D018	180	F023J45A018	182	F023K22A018
181	F023J27A030	179	F023J33B030	181	F023J37D030	180	F023J45A030	182	F023K22A030
181	F023J27A033	179	F023J33B033	181	F023J37D033	180	F023J45A033	182	F023K22A033
181	F023J27B001	179	F023J33D001	178	F023J41A001	180	F023J45B001	182	F023K23A001
181	F023J27B006	179	F023J33D006	178	F023J41A006	180	F023J45B006	182	F023K23A006
181	F023J27B012	179	F023J33D012	178	F023J41A012	180	F023J45B012	182	F023K23A012
181	F023J27B018	179	F023J33D018	178	F023J41A018	180	F023J45B018	182	F023K23A018
181	F023J27B030	179	F023J33D030	178	F023J41A030	180	F023J45B030	182	F023K23A030
181	F023J27B033	179	F023J33D033	178	F023J41A033	180	F023J45B033	182	F023K23A033
181	F023J27D001	180	F023J35A001	178	F023J41B001	180	F023J45D001	182	F023K31A001
181	F023J27D006	180	F023J35A006	178	F023J41B006	180	F023J45D006	182	F023K31A006
181	F023J27D012	180	F023J35A012	178	F023J41B012	180	F023J45D012	182	F023K31A012
181	F023J27D018	180	F023J35A018	178	F023J41B018	180	F023J45D018	182	F023K31A018
181	F023J27D030	180	F023J35A030	178	F023J41B030	180	F023J45D030	182	F023K31A030
181	F023J27D033	180	F023J35A033	178	F023J41B033	180	F023J45D033	182	F023K31A033
178	F023J31A001	180	F023J35B001	178	F023J41D001	180	F023J46A001	182	F023K32A001
178	F023J31A006	180	F023J35B006	178	F023J41D006	180	F023J46A006	182	F023K32A006
178	F023J31A012	180	F023J35B012	178	F023J41D012	180	F023J46A012	182	F023K32A012
178	F023J31A018	180	F023J35B018	178	F023J41D018	180	F023J46A018	182	F023K32A018
178	F023J31A030	180	F023J35B030	178	F023J41D030	180	F023J46A030	182	F023K32A030
178	F023J31A033	180	F023J35B033	178	F023J41D033	180	F023J46A033	182	F023K32A033
178	F023J31B001	180	F023J35D001	178	F023J42A001	180	F023J46B001	182	F023K33A001
178	F023J31B006	180	F023J35D006	178	F023J42A006	180	F023J46B006	182	F023K33A006
178	F023J31B012	180	F023J35D012	178	F023J42A012	180	F023J46B012	182	F023K33A012
178	F023J31B018	180	F023J35D018	178	F023J42A018	180	F023J46B018	182	F023K33A018
178	F023J31B030	180	F023J35D030	178	F023J42A030	180	F023J46B030	182	F023K33A030
178	F023J31B033	180	F023J35D033	178	F023J42A033	180	F023J46B033	182	F023K33A033
178	F023J31D001	180	F023J36A001	178	F023J42B001	180	F023J46D001	182	F023K41A001
178	F023J31D006	180	F023J36A006	178	F023J42B006	180	F023J46D006	182	F023K41A006
178	F023J31D012	180	F023J36A012	178	F023J42B012	180	F023J46D012	182	F023K41A012
178	F023J31D018	180	F023J36A018	178	F023J42B018	180	F023J46D018	182	F023K41A018
178	F023J31D030	180	F023J36A030	178	F023J42B030	180	F023J46D030	182	F023K41A030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
182	F023K41A033	183	F023L42A033	185	F023M23D033	184	F023M41A033	130	F02502CA001
182	F023K42A001	183	F023L43A001	184	F023M31A001	184	F023M41B001	130	F02502CA006
182	F023K42A006	183	F023L43A006	184	F023M31A006	184	F023M41B006	130	F02502CA012
182	F023K42A012	183	F023L43A012	184	F023M31A012	184	F023M41B012	130	F02502CA018
182	F023K42A018	183	F023L43A018	184	F023M31A018	184	F023M41B018	130	F02502CA030
182	F023K42A030	183	F023L43A030	184	F023M31A030	184	F023M41B030	130	F02502CA033
182	F023K42A033	183	F023L43A033	184	F023M31A033	184	F023M41B033	130	F02503BA001
182	F023K43A001	184	F023M21A001	184	F023M31B001	184	F023M41D001	130	F02503BA006
182	F023K43A006	184	F023M21A006	184	F023M31B006	184	F023M41D006	130	F02503BA012
182	F023K43A012	184	F023M21A012	184	F023M31B012	184	F023M41D012	130	F02503BA018
182	F023K43A018	184	F023M21A018	184	F023M31B018	184	F023M41D018	130	F02503BA030
182	F023K43A030	184	F023M21A030	184	F023M31B030	184	F023M41D030	130	F02503BA033
182	F023K43A033	184	F023M21A033	184	F023M31B033	184	F023M41D033	130	F02503CA001
183	F023L21A001	184	F023M21B001	184	F023M31D001	184	F023M42A001	130	F02503CA006
183	F023L21A006	184	F023M21B006	184	F023M31D006	184	F023M42A006	130	F02503CA012
183	F023L21A012	184	F023M21B012	184	F023M31D012	184	F023M42A012	130	F02503CA018
183	F023L21A018	184	F023M21B018	184	F023M31D018	184	F023M42A018	130	F02503CA030
183	F023L21A030	184	F023M21B030	184	F023M31D030	184	F023M42A030	130	F02503CA033
183	F023L21A033	184	F023M21B033	184	F023M31D033	184	F023M42A033	130	F02504BA001
183	F023L22A001	184	F023M21D001	184	F023M32A001	184	F023M42B001	130	F02504BA006
183	F023L22A006	184	F023M21D006	184	F023M32A006	184	F023M42B006	130	F02504BA012
183	F023L22A012	184	F023M21D012	184	F023M32A012	184	F023M42B012	130	F02504BA018
183	F023L22A018	184	F023M21D018	184	F023M32A018	184	F023M42B018	130	F02504BA030
183	F023L22A030	184	F023M21D030	184	F023M32A030	184	F023M42B030	130	F02504BA033
183	F023L22A033	184	F023M21D033	184	F023M32A033	184	F023M42B033	130	F02504CA001
183	F023L23A001	184	F023M22A001	184	F023M32B001	184	F023M42D001	130	F02504CA006
183	F023L23A006	184	F023M22A006	184	F023M32B006	184	F023M42D006	130	F02504CA012
183	F023L23A012	184	F023M22A012	184	F023M32B012	184	F023M42D012	130	F02504CA018
183	F023L23A018	184	F023M22A018	184	F023M32B018	184	F023M42D018	130	F02504CA030
183	F023L23A030	184	F023M22A030	184	F023M32B030	184	F023M42D030	130	F02504CA033
183	F023L23A033	184	F023M22A033	184	F023M32B033	184	F023M42D033	144	F02512AA001
183	F023L31A001	184	F023M22B001	184	F023M32D001	185	F023M43A001	144	F02512AA006
183	F023L31A006	184	F023M22B006	184	F023M32D006	185	F023M43A006	144	F02512AA012
183	F023L31A012	184	F023M22B012	184	F023M32D012	185	F023M43A012	144	F02512AA018
183	F023L31A018	184	F023M22B018	184	F023M32D018	185	F023M43A018	144	F02512AA030
183	F023L31A030	184	F023M22B030	184	F023M32D030	185	F023M43A030	144	F02512AA033
183	F023L31A033	184	F023M22B033	184	F023M32D033	185	F023M43A033	144	F02512BA001
183	F023L32A001	184	F023M22D001	185	F023M33A001	185	F023M43B001	144	F02512BA006
183	F023L32A006	184	F023M22D006	185	F023M33A006	185	F023M43B006	144	F02512BA012
183	F023L32A012	184	F023M22D012	185	F023M33A012	185	F023M43B012	144	F02512BA018
183	F023L32A018	184	F023M22D018	185	F023M33A018	185	F023M43B018	144	F02512BA030
183	F023L32A030	184	F023M22D030	185	F023M33A030	185	F023M43B030	144	F02512BA033
183	F023L32A033	184	F023M22D033	185	F023M33A033	185	F023M43B033	144	F02512CA001
183	F023L33A001	185	F023M23A001	185	F023M33B001	185	F023M43D001	144	F02512CA006
183	F023L33A006	185	F023M23A006	185	F023M33B006	185	F023M43D006	144	F02512CA012
183	F023L33A012	185	F023M23A012	185	F023M33B012	185	F023M43D012	144	F02512CA018
183	F023L33A018	185	F023M23A018	185	F023M33B018	185	F023M43D018	144	F02512CA030
183	F023L33A030	185	F023M23A030	185	F023M33B030	185	F023M43D030	144	F02512CA033
183	F023L33A033	185	F023M23A033	185	F023M33B033	185	F023M43D033	144	F02512DA001
183	F023L41A001	185	F023M23B001	185	F023M33D001	170	F023Z020000	144	F02512DA006
183	F023L41A006	185	F023M23B006	185	F023M33D006	171	F023Z030000	144	F02512DA012
183	F023L41A012	185	F023M23B012	185	F023M33D012	171	F023Z040000	144	F02512DA018
183	F023L41A018	185	F023M23B018	185	F023M33D018	166	F023Z050000	144	F02512DA030
183	F023L41A030	185	F023M23B030	185	F023M33D030	169	F023Z060000	144	F02512DA033
183	F023L41A033	185	F023M23B033	185	F023M33D033	130	F02502BA001	145	F02512EA001
183	F023L42A001	185	F023M23D001	184	F023M41A001	130	F02502BA006	145	F02512EA006
183	F023L42A006	185	F023M23D006	184	F023M41A006	130	F02502BA012	145	F02512EA012
183	F023L42A012	185	F023M23D012	184	F023M41A012	130	F02502BA018	145	F02512EA018
183	F023L42A018	185	F023M23D018	184	F023M41A018	130	F02502BA030	145	F02512EA030
183	F023L42A030	185	F023M23D030	184	F023M41A030	130	F02502BA033	145	F02512EA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
145	F02512FA001	145	F02513HA001	146	F02522CA001	147	F02523FA001	132	F02552AA001
145	F02512FA006	145	F02513HA006	146	F02522CA006	147	F02523FA006	132	F02552AA006
145	F02512FA012	145	F02513HA012	146	F02522CA012	147	F02523FA012	132	F02552AA012
145	F02512FA018	145	F02513HA018	146	F02522CA018	147	F02523FA018	132	F02552AA018
145	F02512FA030	145	F02513HA030	146	F02522CA030	147	F02523FA030	132	F02552AA030
145	F02512FA033	145	F02513HA033	146	F02522CA033	147	F02523FA033	132	F02552AA033
145	F02512GA001	144	F02514AA001	146	F02522DA001	147	F02523GA001	132	F02552BA001
145	F02512GA006	144	F02514AA006	146	F02522DA006	147	F02523GA006	132	F02552BA006
145	F02512GA012	144	F02514AA012	146	F02522DA012	147	F02523GA012	132	F02552BA012
145	F02512GA018	144	F02514AA018	146	F02522DA018	147	F02523GA018	132	F02552BA018
145	F02512GA030	144	F02514AA030	146	F02522DA030	147	F02523GA030	132	F02552BA030
145	F02512GA033	144	F02514AA033	146	F02522DA033	147	F02523GA033	132	F02552BA033
145	F02512HA001	144	F02514BA001	146	F02522EA001	147	F02523HA001	132	F02552CA001
145	F02512HA006	144	F02514BA006	146	F02522EA006	147	F02523HA006	132	F02552CA006
145	F02512HA012	144	F02514BA012	146	F02522EA012	147	F02523HA012	132	F02552CA012
145	F02512HA018	144	F02514BA018	146	F02522EA018	147	F02523HA018	132	F02552CA018
145	F02512HA030	144	F02514BA030	146	F02522EA030	147	F02523HA030	132	F02552CA030
145	F02512HA033	144	F02514BA033	146	F02522EA033	147	F02523HA033	132	F02552CA033
144	F02513AA001	144	F02514CA001	147	F02522FA001	146	F02524BA001	132	F02552DA001
144	F02513AA006	144	F02514CA006	147	F02522FA006	146	F02524BA006	132	F02552DA006
144	F02513AA012	144	F02514CA012	147	F02522FA012	146	F02524BA012	132	F02552DA012
144	F02513AA018	144	F02514CA018	147	F02522FA018	146	F02524BA018	132	F02552DA018
144	F02513AA030	144	F02514CA030	147	F02522FA030	146	F02524BA030	132	F02552DA030
144	F02513AA033	144	F02514CA033	147	F02522FA033	146	F02524BA033	132	F02552DA033
144	F02513BA001	144	F02514DA001	147	F02522GA001	146	F02524CA001	133	F02552EA001
144	F02513BA006	144	F02514DA006	147	F02522GA006	146	F02524CA006	133	F02552EA006
144	F02513BA012	144	F02514DA012	147	F02522GA012	146	F02524CA012	133	F02552EA012
144	F02513BA018	144	F02514DA018	147	F02522GA018	146	F02524CA018	133	F02552EA018
144	F02513BA030	144	F02514DA030	147	F02522GA030	146	F02524CA030	133	F02552EA030
144	F02513BA033	144	F02514DA033	147	F02522GA033	146	F02524CA033	133	F02552EA033
144	F02513CA001	145	F02514EA001	147	F02522HA001	146	F02524DA001	133	F02552FA001
144	F02513CA006	145	F02514EA006	147	F02522HA006	146	F02524DA006	133	F02552FA006
144	F02513CA012	145	F02514EA012	147	F02522HA012	146	F02524DA012	133	F02552FA012
144	F02513CA018	145	F02514EA018	147	F02522HA018	146	F02524DA018	133	F02552FA018
144	F02513CA030	145	F02514EA030	147	F02522HA030	146	F02524DA030	133	F02552FA030
144	F02513CA033	145	F02514EA033	147	F02522HA033	146	F02524DA033	133	F02552FA033
144	F02513DA001	145	F02514FA001	146	F02523BA001	146	F02524EA001	133	F02552GA001
144	F02513DA006	145	F02514FA006	146	F02523BA006	146	F02524EA006	133	F02552GA006
144	F02513DA012	145	F02514FA012	146	F02523BA012	146	F02524EA012	133	F02552GA012
144	F02513DA018	145	F02514FA018	146	F02523BA018	146	F02524EA018	133	F02552GA018
144	F02513DA030	145	F02514FA030	146	F02523BA030	146	F02524EA030	133	F02552GA030
144	F02513DA033	145	F02514FA033	146	F02523BA033	146	F02524EA033	133	F02552GA033
145	F02513EA001	145	F02514GA001	146	F02523CA001	147	F02524FA001	133	F02552HA001
145	F02513EA006	145	F02514GA006	146	F02523CA006	147	F02524FA006	133	F02552HA006
145	F02513EA012	145	F02514GA012	146	F02523CA012	147	F02524FA012	133	F02552HA012
145	F02513EA018	145	F02514GA018	146	F02523CA018	147	F02524FA018	133	F02552HA018
145	F02513EA030	145	F02514GA030	146	F02523CA030	147	F02524FA030	133	F02552HA030
145	F02513EA033	145	F02514GA033	146	F02523CA033	147	F02524FA033	133	F02552HA033
145	F02513FA001	145	F02514HA001	146	F02523DA001	147	F02524GA001	132	F02553AA001
145	F02513FA006	145	F02514HA006	146	F02523DA006	147	F02524GA006	132	F02553AA006
145	F02513FA012	145	F02514HA012	146	F02523DA012	147	F02524GA012	132	F02553AA012
145	F02513FA018	145	F02514HA018	146	F02523DA018	147	F02524GA018	132	F02553AA018
145	F02513FA030	145	F02514HA030	146	F02523DA030	147	F02524GA030	132	F02553AA030
145	F02513FA033	145	F02514HA033	146	F02523DA033	147	F02524GA033	132	F02553AA033
145	F02513GA001	146	F02522BA001	146	F02523EA001	147	F02524HA001	132	F02553BA001
145	F02513GA006	146	F02522BA006	146	F02523EA006	147	F02524HA006	132	F02553BA006
145	F02513GA012	146	F02522BA012	146	F02523EA012	147	F02524HA012	132	F02553BA012
145	F02513GA018	146	F02522BA018	146	F02523EA018	147	F02524HA018	132	F02553BA018
145	F02513GA030	146	F02522BA030	146	F02523EA030	147	F02524HA030	132	F02553BA030
145	F02513GA033	146	F02522BA033	146	F02523EA033	147	F02524HA033	132	F02553BA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
132	F02553CA001	133	F02554EA001	135	F02562HA001	134	F02564DA001	36	F025A4CA001
132	F02553CA006	133	F02554EA006	135	F02562HA006	134	F02564DA006	36	F025A4CA006
132	F02553CA012	133	F02554EA012	135	F02562HA012	134	F02564DA012	36	F025A4CA012
132	F02553CA018	133	F02554EA018	135	F02562HA018	134	F02564DA018	36	F025A4CA018
132	F02553CA030	133	F02554EA030	135	F02562HA030	134	F02564DA030	36	F025A4CA030
132	F02553CA033	133	F02554EA033	135	F02562HA033	134	F02564DA033	36	F025A4CA033
132	F02553DA001	133	F02554FA001	134	F02563BA001	134	F02564EA001	48	F025B2AA001
132	F02553DA006	133	F02554FA006	134	F02563BA006	134	F02564EA006	48	F025B2AA006
132	F02553DA012	133	F02554FA012	134	F02563BA012	134	F02564EA012	48	F025B2AA012
132	F02553DA018	133	F02554FA018	134	F02563BA018	134	F02564EA018	48	F025B2AA018
132	F02553DA030	133	F02554FA030	134	F02563BA030	134	F02564EA030	48	F025B2AA030
132	F02553DA033	133	F02554FA033	134	F02563BA033	134	F02564EA033	48	F025B2AA033
133	F02553EA001	133	F02554GA001	134	F02563CA001	135	F02564FA001	48	F025B2BA001
133	F02553EA006	133	F02554GA006	134	F02563CA006	135	F02564FA006	48	F025B2BA006
133	F02553EA012	133	F02554GA012	134	F02563CA012	135	F02564FA012	48	F025B2BA012
133	F02553EA018	133	F02554GA018	134	F02563CA018	135	F02564FA018	48	F025B2BA018
133	F02553EA030	133	F02554GA030	134	F02563CA030	135	F02564FA030	48	F025B2BA030
133	F02553EA033	133	F02554GA033	134	F02563CA033	135	F02564FA033	48	F025B2BA033
133	F02553FA001	133	F02554HA001	134	F02563DA001	135	F02564GA001	48	F025B2CA001
133	F02553FA006	133	F02554HA006	134	F02563DA006	135	F02564GA006	48	F025B2CA006
133	F02553FA012	133	F02554HA012	134	F02563DA012	135	F02564GA012	48	F025B2CA012
133	F02553FA018	133	F02554HA018	134	F02563DA018	135	F02564GA018	48	F025B2CA018
133	F02553FA030	133	F02554HA030	134	F02563DA030	135	F02564GA030	48	F025B2CA030
133	F02553FA033	133	F02554HA033	134	F02563DA033	135	F02564GA033	48	F025B2CA033
133	F02553GA001	134	F02562BA001	134	F02563EA001	135	F02564HA001	48	F025B2DA001
133	F02553GA006	134	F02562BA006	134	F02563EA006	135	F02564HA006	48	F025B2DA006
133	F02553GA012	134	F02562BA012	134	F02563EA012	135	F02564HA012	48	F025B2DA012
133	F02553GA018	134	F02562BA018	134	F02563EA018	135	F02564HA018	48	F025B2DA018
133	F02553GA030	134	F02562BA030	134	F02563EA030	135	F02564HA030	48	F025B2DA030
133	F02553GA033	134	F02562BA033	134	F02563EA033	135	F02564HA033	48	F025B2DA033
133	F02553HA001	134	F02562CA001	135	F02563FA001	36	F025A2BA001	49	F025B2EA001
133	F02553HA006	134	F02562CA006	135	F02563FA006	36	F025A2BA006	49	F025B2EA006
133	F02553HA012	134	F02562CA012	135	F02563FA012	36	F025A2BA012	49	F025B2EA012
133	F02553HA018	134	F02562CA018	135	F02563FA018	36	F025A2BA018	49	F025B2EA018
133	F02553HA030	134	F02562CA030	135	F02563FA030	36	F025A2BA030	49	F025B2EA030
133	F02553HA033	134	F02562CA033	135	F02563FA033	36	F025A2BA033	49	F025B2EA033
132	F02554AA001	134	F02562DA001	135	F02563GA001	36	F025A2CA001	49	F025B2FA001
132	F02554AA006	134	F02562DA006	135	F02563GA006	36	F025A2CA006	49	F025B2FA006
132	F02554AA012	134	F02562DA012	135	F02563GA012	36	F025A2CA012	49	F025B2FA012
132	F02554AA018	134	F02562DA018	135	F02563GA018	36	F025A2CA018	49	F025B2FA018
132	F02554AA030	134	F02562DA030	135	F02563GA030	36	F025A2CA030	49	F025B2FA030
132	F02554AA033	134	F02562DA033	135	F02563GA033	36	F025A2CA033	49	F025B2FA033
132	F02554BA001	134	F02562EA001	135	F02563HA001	36	F025A3BA001	49	F025B2GA001
132	F02554BA006	134	F02562EA006	135	F02563HA006	36	F025A3BA006	49	F025B2GA006
132	F02554BA012	134	F02562EA012	135	F02563HA012	36	F025A3BA012	49	F025B2GA012
132	F02554BA018	134	F02562EA018	135	F02563HA018	36	F025A3BA018	49	F025B2GA018
132	F02554BA030	134	F02562EA030	135	F02563HA030	36	F025A3BA030	49	F025B2GA030
132	F02554BA033	134	F02562EA033	135	F02563HA033	36	F025A3BA033	49	F025B2GA033
132	F02554CA001	135	F02562FA001	134	F02564BA001	36	F025A3CA001	49	F025B2HA001
132	F02554CA006	135	F02562FA006	134	F02564BA006	36	F025A3CA006	49	F025B2HA006
132	F02554CA012	135	F02562FA012	134	F02564BA012	36	F025A3CA012	49	F025B2HA012
132	F02554CA018	135	F02562FA018	134	F02564BA018	36	F025A3CA018	49	F025B2HA018
132	F02554CA030	135	F02562FA030	134	F02564BA030	36	F025A3CA030	49	F025B2HA030
132	F02554CA033	135	F02562FA033	134	F02564BA033	36	F025A3CA033	49	F025B2HA033
132	F02554DA001	135	F02562GA001	134	F02564CA001	36	F025A4BA001	48	F025B3AA001
132	F02554DA006	135	F02562GA006	134	F02564CA006	36	F025A4BA006	48	F025B3AA006
132	F02554DA012	135	F02562GA012	134	F02564CA012	36	F025A4BA012	48	F025B3AA012
132	F02554DA018	135	F02562GA018	134	F02564CA018	36	F025A4BA018	48	F025B3AA018
132	F02554DA030	135	F02562GA030	134	F02564CA030	36	F025A4BA030	48	F025B3AA030
132	F02554DA033	135	F02562GA033	134	F02564CA033	36	F025A4BA033	48	F025B3AA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
48	F025B3BA001	48	F025B4DA001	51	F025C2GA001	50	F025C4CA001	39	F025D2EA001
48	F025B3BA006	48	F025B4DA006	51	F025C2GA006	50	F025C4CA006	39	F025D2EA006
48	F025B3BA012	48	F025B4DA012	51	F025C2GA012	50	F025C4CA012	39	F025D2EA012
48	F025B3BA018	48	F025B4DA018	51	F025C2GA018	50	F025C4CA018	39	F025D2EA018
48	F025B3BA030	48	F025B4DA030	51	F025C2GA030	50	F025C4CA030	39	F025D2EA030
48	F025B3BA033	48	F025B4DA033	51	F025C2GA033	50	F025C4CA033	39	F025D2EA033
48	F025B3CA001	49	F025B4EA001	51	F025C2HA001	50	F025C4DA001	39	F025D2FA001
48	F025B3CA006	49	F025B4EA006	51	F025C2HA006	50	F025C4DA006	39	F025D2FA006
48	F025B3CA012	49	F025B4EA012	51	F025C2HA012	50	F025C4DA012	39	F025D2FA012
48	F025B3CA018	49	F025B4EA018	51	F025C2HA018	50	F025C4DA018	39	F025D2FA018
48	F025B3CA030	49	F025B4EA030	51	F025C2HA030	50	F025C4DA030	39	F025D2FA030
48	F025B3CA033	49	F025B4EA033	51	F025C2HA033	50	F025C4DA033	39	F025D2FA033
48	F025B3DA001	49	F025B4FA001	50	F025C3BA001	50	F025C4EA001	39	F025D2GA001
48	F025B3DA006	49	F025B4FA006	50	F025C3BA006	50	F025C4EA006	39	F025D2GA006
48	F025B3DA012	49	F025B4FA012	50	F025C3BA012	50	F025C4EA012	39	F025D2GA012
48	F025B3DA018	49	F025B4FA018	50	F025C3BA018	50	F025C4EA018	39	F025D2GA018
48	F025B3DA030	49	F025B4FA030	50	F025C3BA030	50	F025C4EA030	39	F025D2GA030
48	F025B3DA033	49	F025B4FA033	50	F025C3BA033	50	F025C4EA033	39	F025D2GA033
49	F025B3EA001	49	F025B4GA001	50	F025C3CA001	51	F025C4FA001	39	F025D2HA001
49	F025B3EA006	49	F025B4GA006	50	F025C3CA006	51	F025C4FA006	39	F025D2HA006
49	F025B3EA012	49	F025B4GA012	50	F025C3CA012	51	F025C4FA012	39	F025D2HA012
49	F025B3EA018	49	F025B4GA018	50	F025C3CA018	51	F025C4FA018	39	F025D2HA018
49	F025B3EA030	49	F025B4GA030	50	F025C3CA030	51	F025C4FA030	39	F025D2HA030
49	F025B3EA033	49	F025B4GA033	50	F025C3CA033	51	F025C4FA033	39	F025D2HA033
49	F025B3FA001	49	F025B4HA001	50	F025C3DA001	51	F025C4GA001	38	F025D3AA001
49	F025B3FA006	49	F025B4HA006	50	F025C3DA006	51	F025C4GA006	38	F025D3AA006
49	F025B3FA012	49	F025B4HA012	50	F025C3DA012	51	F025C4GA012	38	F025D3AA012
49	F025B3FA018	49	F025B4HA018	50	F025C3DA018	51	F025C4GA018	38	F025D3AA018
49	F025B3FA030	49	F025B4HA030	50	F025C3DA030	51	F025C4GA030	38	F025D3AA030
49	F025B3FA033	49	F025B4HA033	50	F025C3DA033	51	F025C4GA033	38	F025D3AA033
49	F025B3GA001	50	F025C2BA001	50	F025C3EA001	51	F025C4HA001	38	F025D3BA001
49	F025B3GA006	50	F025C2BA006	50	F025C3EA006	51	F025C4HA006	38	F025D3BA006
49	F025B3GA012	50	F025C2BA012	50	F025C3EA012	51	F025C4HA012	38	F025D3BA012
49	F025B3GA018	50	F025C2BA018	50	F025C3EA018	51	F025C4HA018	38	F025D3BA018
49	F025B3GA030	50	F025C2BA030	50	F025C3EA030	51	F025C4HA030	38	F025D3BA030
49	F025B3GA033	50	F025C2BA033	50	F025C3EA033	51	F025C4HA033	38	F025D3BA033
49	F025B3HA001	50	F025C2CA001	51	F025C3FA001	38	F025D2AA001	38	F025D3CA001
49	F025B3HA006	50	F025C2CA006	51	F025C3FA006	38	F025D2AA006	38	F025D3CA006
49	F025B3HA012	50	F025C2CA012	51	F025C3FA012	38	F025D2AA012	38	F025D3CA012
49	F025B3HA018	50	F025C2CA018	51	F025C3FA018	38	F025D2AA018	38	F025D3CA018
49	F025B3HA030	50	F025C2CA030	51	F025C3FA030	38	F025D2AA030	38	F025D3CA030
49	F025B3HA033	50	F025C2CA033	51	F025C3FA033	38	F025D2AA033	38	F025D3CA033
48	F025B4AA001	50	F025C2DA001	51	F025C3GA001	38	F025D2BA001	38	F025D3DA001
48	F025B4AA006	50	F025C2DA006	51	F025C3GA006	38	F025D2BA006	38	F025D3DA006
48	F025B4AA012	50	F025C2DA012	51	F025C3GA012	38	F025D2BA012	38	F025D3DA012
48	F025B4AA018	50	F025C2DA018	51	F025C3GA018	38	F025D2BA018	38	F025D3DA018
48	F025B4AA030	50	F025C2DA030	51	F025C3GA030	38	F025D2BA030	38	F025D3DA030
48	F025B4AA033	50	F025C2DA033	51	F025C3GA033	38	F025D2BA033	38	F025D3DA033
48	F025B4BA001	50	F025C2EA001	51	F025C3HA001	38	F025D2CA001	39	F025D3EA001
48	F025B4BA006	50	F025C2EA006	51	F025C3HA006	38	F025D2CA006	39	F025D3EA006
48	F025B4BA012	50	F025C2EA012	51	F025C3HA012	38	F025D2CA012	39	F025D3EA012
48	F025B4BA018	50	F025C2EA018	51	F025C3HA018	38	F025D2CA018	39	F025D3EA018
48	F025B4BA030	50	F025C2EA030	51	F025C3HA030	38	F025D2CA030	39	F025D3EA030
48	F025B4BA033	50	F025C2EA033	51	F025C3HA033	38	F025D2CA033	39	F025D3EA033
48	F025B4CA001	51	F025C2FA001	50	F025C4BA001	38	F025D2DA001	39	F025D3FA001
48	F025B4CA006	51	F025C2FA006	50	F025C4BA006	38	F025D2DA006	39	F025D3FA006
48	F025B4CA012	51	F025C2FA012	50	F025C4BA012	38	F025D2DA012	39	F025D3FA012
48	F025B4CA018	51	F025C2FA018	50	F025C4BA018	38	F025D2DA018	39	F025D3FA018
48	F025B4CA030	51	F025C2FA030	50	F025C4BA030	38	F025D2DA030	39	F025D3FA030
48	F025B4CA033	51	F025C2FA033	50	F025C4BA033	38	F025D2DA033	39	F025D3FA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
39	F025D3GA001	40	F025E2BA001	40	F025E3EA001	41	F025E4HA001	80	F025G2DA001
39	F025D3GA006	40	F025E2BA006	40	F025E3EA006	41	F025E4HA006	80	F025G2DA006
39	F025D3GA012	40	F025E2BA012	40	F025E3EA012	41	F025E4HA012	80	F025G2DA012
39	F025D3GA018	40	F025E2BA018	40	F025E3EA018	41	F025E4HA018	80	F025G2DA018
39	F025D3GA030	40	F025E2BA030	40	F025E3EA030	41	F025E4HA030	80	F025G2DA030
39	F025D3GA033	40	F025E2BA033	40	F025E3EA033	41	F025E4HA033	80	F025G2DA033
39	F025D3HA001	40	F025E2CA001	41	F025E3FA001	66	F025F2BA001	81	F025G2EA001
39	F025D3HA006	40	F025E2CA006	41	F025E3FA006	66	F025F2BA006	81	F025G2EA006
39	F025D3HA012	40	F025E2CA012	41	F025E3FA012	66	F025F2BA012	81	F025G2EA012
39	F025D3HA018	40	F025E2CA018	41	F025E3FA018	66	F025F2BA018	81	F025G2EA018
39	F025D3HA030	40	F025E2CA030	41	F025E3FA030	66	F025F2BA030	81	F025G2EA030
39	F025D3HA033	40	F025E2CA033	41	F025E3FA033	66	F025F2BA033	81	F025G2EA033
38	F025D4AA001	40	F025E2DA001	41	F025E3GA001	66	F025F2CA001	81	F025G2FA001
38	F025D4AA006	40	F025E2DA006	41	F025E3GA006	66	F025F2CA006	81	F025G2FA006
38	F025D4AA012	40	F025E2DA012	41	F025E3GA012	66	F025F2CA012	81	F025G2FA012
38	F025D4AA018	40	F025E2DA018	41	F025E3GA018	66	F025F2CA018	81	F025G2FA018
38	F025D4AA030	40	F025E2DA030	41	F025E3GA030	66	F025F2CA030	81	F025G2FA030
38	F025D4AA033	40	F025E2DA033	41	F025E3GA033	66	F025F2CA033	81	F025G2FA033
38	F025D4BA001	40	F025E2EA001	41	F025E3HA001	66	F025F3BA001	81	F025G2GA001
38	F025D4BA006	40	F025E2EA006	41	F025E3HA006	66	F025F3BA006	81	F025G2GA006
38	F025D4BA012	40	F025E2EA012	41	F025E3HA012	66	F025F3BA012	81	F025G2GA012
38	F025D4BA018	40	F025E2EA018	41	F025E3HA018	66	F025F3BA018	81	F025G2GA018
38	F025D4BA030	40	F025E2EA030	41	F025E3HA030	66	F025F3BA030	81	F025G2GA030
38	F025D4BA033	40	F025E2EA033	41	F025E3HA033	66	F025F3BA033	81	F025G2GA033
38	F025D4CA001	41	F025E2FA001	40	F025E4BA001	66	F025F3CA001	81	F025G2HA001
38	F025D4CA006	41	F025E2FA006	40	F025E4BA006	66	F025F3CA006	81	F025G2HA006
38	F025D4CA012	41	F025E2FA012	40	F025E4BA012	66	F025F3CA012	81	F025G2HA012
38	F025D4CA018	41	F025E2FA018	40	F025E4BA018	66	F025F3CA018	81	F025G2HA018
38	F025D4CA030	41	F025E2FA030	40	F025E4BA030	66	F025F3CA030	81	F025G2HA030
38	F025D4CA033	41	F025E2FA033	40	F025E4BA033	66	F025F3CA033	81	F025G2HA033
38	F025D4DA001	41	F025E2GA001	40	F025E4CA001	66	F025F4BA001	80	F025G3AA001
38	F025D4DA006	41	F025E2GA006	40	F025E4CA006	66	F025F4BA006	80	F025G3AA006
38	F025D4DA012	41	F025E2GA012	40	F025E4CA012	66	F025F4BA012	80	F025G3AA012
38	F025D4DA018	41	F025E2GA018	40	F025E4CA018	66	F025F4BA018	80	F025G3AA018
38	F025D4DA030	41	F025E2GA030	40	F025E4CA030	66	F025F4BA030	80	F025G3AA030
38	F025D4DA033	41	F025E2GA033	40	F025E4CA033	66	F025F4BA033	80	F025G3AA033
39	F025D4EA001	41	F025E2HA001	40	F025E4DA001	66	F025F4CA001	80	F025G3BA001
39	F025D4EA006	41	F025E2HA006	40	F025E4DA006	66	F025F4CA006	80	F025G3BA006
39	F025D4EA012	41	F025E2HA012	40	F025E4DA012	66	F025F4CA012	80	F025G3BA012
39	F025D4EA018	41	F025E2HA018	40	F025E4DA018	66	F025F4CA018	80	F025G3BA018
39	F025D4EA030	41	F025E2HA030	40	F025E4DA030	66	F025F4CA030	80	F025G3BA030
39	F025D4EA033	41	F025E2HA033	40	F025E4DA033	66	F025F4CA033	80	F025G3BA033
39	F025D4FA001	40	F025E3BA001	40	F025E4EA001	80	F025G2AA001	80	F025G3CA001
39	F025D4FA006	40	F025E3BA006	40	F025E4EA006	80	F025G2AA006	80	F025G3CA006
39	F025D4FA012	40	F025E3BA012	40	F025E4EA012	80	F025G2AA012	80	F025G3CA012
39	F025D4FA018	40	F025E3BA018	40	F025E4EA018	80	F025G2AA018	80	F025G3CA018
39	F025D4FA030	40	F025E3BA030	40	F025E4EA030	80	F025G2AA030	80	F025G3CA030
39	F025D4FA033	40	F025E3BA033	40	F025E4EA033	80	F025G2AA033	80	F025G3CA033
39	F025D4GA001	40	F025E3CA001	41	F025E4FA001	80	F025G2BA001	80	F025G3DA001
39	F025D4GA006	40	F025E3CA006	41	F025E4FA006	80	F025G2BA006	80	F025G3DA006
39	F025D4GA012	40	F025E3CA012	41	F025E4FA012	80	F025G2BA012	80	F025G3DA012
39	F025D4GA018	40	F025E3CA018	41	F025E4FA018	80	F025G2BA018	80	F025G3DA018
39	F025D4GA030	40	F025E3CA030	41	F025E4FA030	80	F025G2BA030	80	F025G3DA030
39	F025D4GA033	40	F025E3CA033	41	F025E4FA033	80	F025G2BA033	80	F025G3DA033
39	F025D4HA001	40	F025E3DA001	41	F025E4GA001	80	F025G2CA001	81	F025G3EA001
39	F025D4HA006	40	F025E3DA006	41	F025E4GA006	80	F025G2CA006	81	F025G3EA006
39	F025D4HA012	40	F025E3DA012	41	F025E4GA012	80	F025G2CA012	81	F025G3EA012
39	F025D4HA018	40	F025E3DA018	41	F025E4GA018	80	F025G2CA018	81	F025G3EA018
39	F025D4HA030	40	F025E3DA030	41	F025E4GA030	80	F025G2CA030	81	F025G3EA030
39	F025D4HA033	40	F025E3DA033	41	F025E4GA033	80	F025G2CA033	81	F025G3EA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
81	F025G3FA001	81	F025G4HA001	82	F025H3DA001	83	F025H4GA001	68	F025L3AA001
81	F025G3FA006	81	F025G4HA006	82	F025H3DA006	83	F025H4GA006	68	F025L3AA006
81	F025G3FA012	81	F025G4HA012	82	F025H3DA012	83	F025H4GA012	68	F025L3AA012
81	F025G3FA018	81	F025G4HA018	82	F025H3DA018	83	F025H4GA018	68	F025L3AA018
81	F025G3FA030	81	F025G4HA030	82	F025H3DA030	83	F025H4GA030	68	F025L3AA030
81	F025G3FA033	81	F025G4HA033	82	F025H3DA033	83	F025H4GA033	68	F025L3AA033
81	F025G3GA001	82	F025H2BA001	82	F025H3EA001	83	F025H4HA001	68	F025L3BA001
81	F025G3GA006	82	F025H2BA006	82	F025H3EA006	83	F025H4HA006	68	F025L3BA006
81	F025G3GA012	82	F025H2BA012	82	F025H3EA012	83	F025H4HA012	68	F025L3BA012
81	F025G3GA018	82	F025H2BA018	82	F025H3EA018	83	F025H4HA018	68	F025L3BA018
81	F025G3GA030	82	F025H2BA030	82	F025H3EA030	83	F025H4HA030	68	F025L3BA030
81	F025G3GA033	82	F025H2BA033	82	F025H3EA033	83	F025H4HA033	68	F025L3BA033
81	F025G3HA001	82	F025H2CA001	83	F025H3FA001	68	F025L2AA001	68	F025L3CA001
81	F025G3HA006	82	F025H2CA006	83	F025H3FA006	68	F025L2AA006	68	F025L3CA006
81	F025G3HA012	82	F025H2CA012	83	F025H3FA012	68	F025L2AA012	68	F025L3CA012
81	F025G3HA018	82	F025H2CA018	83	F025H3FA018	68	F025L2AA018	68	F025L3CA018
81	F025G3HA030	82	F025H2CA030	83	F025H3FA030	68	F025L2AA030	68	F025L3CA030
81	F025G3HA033	82	F025H2CA033	83	F025H3FA033	68	F025L2AA033	68	F025L3CA033
80	F025G4AA001	82	F025H2DA001	83	F025H3GA001	68	F025L2BA001	68	F025L3DA001
80	F025G4AA006	82	F025H2DA006	83	F025H3GA006	68	F025L2BA006	68	F025L3DA006
80	F025G4AA012	82	F025H2DA012	83	F025H3GA012	68	F025L2BA012	68	F025L3DA012
80	F025G4AA018	82	F025H2DA018	83	F025H3GA018	68	F025L2BA018	68	F025L3DA018
80	F025G4AA030	82	F025H2DA030	83	F025H3GA030	68	F025L2BA030	68	F025L3DA030
80	F025G4AA033	82	F025H2DA033	83	F025H3GA033	68	F025L2BA033	68	F025L3DA033
80	F025G4BA001	82	F025H2EA001	83	F025H3HA001	68	F025L2CA001	69	F025L3EA001
80	F025G4BA006	82	F025H2EA006	83	F025H3HA006	68	F025L2CA006	69	F025L3EA006
80	F025G4BA012	82	F025H2EA012	83	F025H3HA012	68	F025L2CA012	69	F025L3EA012
80	F025G4BA018	82	F025H2EA018	83	F025H3HA018	68	F025L2CA018	69	F025L3EA018
80	F025G4BA030	82	F025H2EA030	83	F025H3HA030	68	F025L2CA030	69	F025L3EA030
80	F025G4BA033	82	F025H2EA033	83	F025H3HA033	68	F025L2CA033	69	F025L3EA033
80	F025G4CA001	83	F025H2FA001	82	F025H4BA001	68	F025L2DA001	69	F025L3FA001
80	F025G4CA006	83	F025H2FA006	82	F025H4BA006	68	F025L2DA006	69	F025L3FA006
80	F025G4CA012	83	F025H2FA012	82	F025H4BA012	68	F025L2DA012	69	F025L3FA012
80	F025G4CA018	83	F025H2FA018	82	F025H4BA018	68	F025L2DA018	69	F025L3FA018
80	F025G4CA030	83	F025H2FA030	82	F025H4BA030	68	F025L2DA030	69	F025L3FA030
80	F025G4CA033	83	F025H2FA033	82	F025H4BA033	68	F025L2DA033	69	F025L3FA033
80	F025G4DA001	83	F025H2GA001	82	F025H4CA001	69	F025L2EA001	69	F025L3GA001
80	F025G4DA006	83	F025H2GA006	82	F025H4CA006	69	F025L2EA006	69	F025L3GA006
80	F025G4DA012	83	F025H2GA012	82	F025H4CA012	69	F025L2EA012	69	F025L3GA012
80	F025G4DA018	83	F025H2GA018	82	F025H4CA018	69	F025L2EA018	69	F025L3GA018
80	F025G4DA030	83	F025H2GA030	82	F025H4CA030	69	F025L2EA030	69	F025L3GA030
80	F025G4DA033	83	F025H2GA033	82	F025H4CA033	69	F025L2EA033	69	F025L3GA033
81	F025G4EA001	83	F025H2HA001	82	F025H4DA001	69	F025L2FA001	69	F025L3HA001
81	F025G4EA006	83	F025H2HA006	82	F025H4DA006	69	F025L2FA006	69	F025L3HA006
81	F025G4EA012	83	F025H2HA012	82	F025H4DA012	69	F025L2FA012	69	F025L3HA012
81	F025G4EA018	83	F025H2HA018	82	F025H4DA018	69	F025L2FA018	69	F025L3HA018
81	F025G4EA030	83	F025H2HA030	82	F025H4DA030	69	F025L2FA030	69	F025L3HA030
81	F025G4EA033	83	F025H2HA033	82	F025H4DA033	69	F025L2FA033	69	F025L3HA033
81	F025G4FA001	82	F025H3BA001	82	F025H4EA001	69	F025L2GA001	68	F025L4AA001
81	F025G4FA006	82	F025H3BA006	82	F025H4EA006	69	F025L2GA006	68	F025L4AA006
81	F025G4FA012	82	F025H3BA012	82	F025H4EA012	69	F025L2GA012	68	F025L4AA012
81	F025G4FA018	82	F025H3BA018	82	F025H4EA018	69	F025L2GA018	68	F025L4AA018
81	F025G4FA030	82	F025H3BA030	82	F025H4EA030	69	F025L2GA030	68	F025L4AA030
81	F025G4FA033	82	F025H3BA033	82	F025H4EA033	69	F025L2GA033	68	F025L4AA033
81	F025G4GA001	82	F025H3CA001	83	F025H4FA001	69	F025L2HA001	68	F025L4BA001
81	F025G4GA006	82	F025H3CA006	83	F025H4FA006	69	F025L2HA006	68	F025L4BA006
81	F025G4GA012	82	F025H3CA012	83	F025H4FA012	69	F025L2HA012	68	F025L4BA012
81	F025G4GA018	82	F025H3CA018	83	F025H4FA018	69	F025L2HA018	68	F025L4BA018
81	F025G4GA030	82	F025H3CA030	83	F025H4FA030	69	F025L2HA030	68	F025L4BA030
81	F025G4GA033	82	F025H3CA033	83	F025H4FA033	69	F025L2HA033	68	F025L4BA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
68	F025L4CA001	71	F025M2FA001	70	F025M4BA001	96	F025Q3CA001	111	F025R2HA001
68	F025L4CA006	71	F025M2FA006	70	F025M4BA006	96	F025Q3CA006	111	F025R2HA006
68	F025L4CA012	71	F025M2FA012	70	F025M4BA012	96	F025Q3CA012	111	F025R2HA012
68	F025L4CA018	71	F025M2FA018	70	F025M4BA018	96	F025Q3CA018	111	F025R2HA018
68	F025L4CA030	71	F025M2FA030	70	F025M4BA030	96	F025Q3CA030	111	F025R2HA030
68	F025L4CA033	71	F025M2FA033	70	F025M4BA033	96	F025Q3CA033	111	F025R2HA033
68	F025L4DA001	71	F025M2GA001	70	F025M4CA001	96	F025Q4BA001	110	F025R3AA001
68	F025L4DA006	71	F025M2GA006	70	F025M4CA006	96	F025Q4BA006	110	F025R3AA006
68	F025L4DA012	71	F025M2GA012	70	F025M4CA012	96	F025Q4BA012	110	F025R3AA012
68	F025L4DA018	71	F025M2GA018	70	F025M4CA018	96	F025Q4BA018	110	F025R3AA018
68	F025L4DA030	71	F025M2GA030	70	F025M4CA030	96	F025Q4BA030	110	F025R3AA030
68	F025L4DA033	71	F025M2GA033	70	F025M4CA033	96	F025Q4BA033	110	F025R3AA033
69	F025L4EA001	71	F025M2HA001	70	F025M4DA001	96	F025Q4CA001	110	F025R3BA001
69	F025L4EA006	71	F025M2HA006	70	F025M4DA006	96	F025Q4CA006	110	F025R3BA006
69	F025L4EA012	71	F025M2HA012	70	F025M4DA012	96	F025Q4CA012	110	F025R3BA012
69	F025L4EA018	71	F025M2HA018	70	F025M4DA018	96	F025Q4CA018	110	F025R3BA018
69	F025L4EA030	71	F025M2HA030	70	F025M4DA030	96	F025Q4CA030	110	F025R3BA030
69	F025L4EA033	71	F025M2HA033	70	F025M4DA033	96	F025Q4CA033	110	F025R3BA033
69	F025L4FA001	70	F025M3BA001	70	F025M4EA001	110	F025R2AA001	110	F025R3CA001
69	F025L4FA006	70	F025M3BA006	70	F025M4EA006	110	F025R2AA006	110	F025R3CA006
69	F025L4FA012	70	F025M3BA012	70	F025M4EA012	110	F025R2AA012	110	F025R3CA012
69	F025L4FA018	70	F025M3BA018	70	F025M4EA018	110	F025R2AA018	110	F025R3CA018
69	F025L4FA030	70	F025M3BA030	70	F025M4EA030	110	F025R2AA030	110	F025R3CA030
69	F025L4FA033	70	F025M3BA033	70	F025M4EA033	110	F025R2AA033	110	F025R3CA033
69	F025L4GA001	70	F025M3CA001	71	F025M4FA001	110	F025R2BA001	110	F025R3DA001
69	F025L4GA006	70	F025M3CA006	71	F025M4FA006	110	F025R2BA006	110	F025R3DA006
69	F025L4GA012	70	F025M3CA012	71	F025M4FA012	110	F025R2BA012	110	F025R3DA012
69	F025L4GA018	70	F025M3CA018	71	F025M4FA018	110	F025R2BA018	110	F025R3DA018
69	F025L4GA030	70	F025M3CA030	71	F025M4FA030	110	F025R2BA030	110	F025R3DA030
69	F025L4GA033	70	F025M3CA033	71	F025M4FA033	110	F025R2BA033	110	F025R3DA033
69	F025L4HA001	70	F025M3DA001	71	F025M4GA001	110	F025R2CA001	111	F025R3EA001
69	F025L4HA006	70	F025M3DA006	71	F025M4GA006	110	F025R2CA006	111	F025R3EA006
69	F025L4HA012	70	F025M3DA012	71	F025M4GA012	110	F025R2CA012	111	F025R3EA012
69	F025L4HA018	70	F025M3DA018	71	F025M4GA018	110	F025R2CA018	111	F025R3EA018
69	F025L4HA030	70	F025M3DA030	71	F025M4GA030	110	F025R2CA030	111	F025R3EA030
69	F025L4HA033	70	F025M3DA033	71	F025M4GA033	110	F025R2CA033	111	F025R3EA033
70	F025M2BA001	70	F025M3EA001	71	F025M4HA001	110	F025R2DA001	111	F025R3FA001
70	F025M2BA006	70	F025M3EA006	71	F025M4HA006	110	F025R2DA006	111	F025R3FA006
70	F025M2BA012	70	F025M3EA012	71	F025M4HA012	110	F025R2DA012	111	F025R3FA012
70	F025M2BA018	70	F025M3EA018	71	F025M4HA018	110	F025R2DA018	111	F025R3FA018
70	F025M2BA030	70	F025M3EA030	71	F025M4HA030	110	F025R2DA030	111	F025R3FA030
70	F025M2BA033	70	F025M3EA033	71	F025M4HA033	110	F025R2DA033	111	F025R3FA033
70	F025M2CA001	71	F025M3FA001	96	F025Q2BA001	111	F025R2EA001	111	F025R3GA001
70	F025M2CA006	71	F025M3FA006	96	F025Q2BA006	111	F025R2EA006	111	F025R3GA006
70	F025M2CA012	71	F025M3FA012	96	F025Q2BA012	111	F025R2EA012	111	F025R3GA012
70	F025M2CA018	71	F025M3FA018	96	F025Q2BA018	111	F025R2EA018	111	F025R3GA018
70	F025M2CA030	71	F025M3FA030	96	F025Q2BA030	111	F025R2EA030	111	F025R3GA030
70	F025M2CA033	71	F025M3FA033	96	F025Q2BA033	111	F025R2EA033	111	F025R3GA033
70	F025M2DA001	71	F025M3GA001	96	F025Q2CA001	111	F025R2FA001	111	F025R3HA001
70	F025M2DA006	71	F025M3GA006	96	F025Q2CA006	111	F025R2FA006	111	F025R3HA006
70	F025M2DA012	71	F025M3GA012	96	F025Q2CA012	111	F025R2FA012	111	F025R3HA012
70	F025M2DA018	71	F025M3GA018	96	F025Q2CA018	111	F025R2FA018	111	F025R3HA018
70	F025M2DA030	71	F025M3GA030	96	F025Q2CA030	111	F025R2FA030	111	F025R3HA030
70	F025M2DA033	71	F025M3GA033	96	F025Q2CA033	111	F025R2FA033	111	F025R3HA033
70	F025M2EA001	71	F025M3HA001	96	F025Q3BA001	111	F025R2GA001	110	F025R4AA001
70	F025M2EA006	71	F025M3HA006	96	F025Q3BA006	111	F025R2GA006	110	F025R4AA006
70	F025M2EA012	71	F025M3HA012	96	F025Q3BA012	111	F025R2GA012	110	F025R4AA012
70	F025M2EA018	71	F025M3HA018	96	F025Q3BA018	111	F025R2GA018	110	F025R4AA018
70	F025M2EA030	71	F025M3HA030	96	F025Q3BA030	111	F025R2GA030	110	F025R4AA030
70	F025M2EA033	71	F025M3HA033	96	F025Q3BA033	111	F025R2GA033	110	F025R4AA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
110	F025R4BA001	112	F025S2EA001	113	F025S3HA001	98	F025V2CA001	99	F025V3EA001
110	F025R4BA006	112	F025S2EA006	113	F025S3HA006	98	F025V2CA006	99	F025V3EA006
110	F025R4BA012	112	F025S2EA012	113	F025S3HA012	98	F025V2CA012	99	F025V3EA012
110	F025R4BA018	112	F025S2EA018	113	F025S3HA018	98	F025V2CA018	99	F025V3EA018
110	F025R4BA030	112	F025S2EA030	113	F025S3HA030	98	F025V2CA030	99	F025V3EA030
110	F025R4BA033	112	F025S2EA033	113	F025S3HA033	98	F025V2CA033	99	F025V3EA033
110	F025R4CA001	113	F025S2FA001	112	F025S4BA001	98	F025V2DA001	99	F025V3FA001
110	F025R4CA006	113	F025S2FA006	112	F025S4BA006	98	F025V2DA006	99	F025V3FA006
110	F025R4CA012	113	F025S2FA012	112	F025S4BA012	98	F025V2DA012	99	F025V3FA012
110	F025R4CA018	113	F025S2FA018	112	F025S4BA018	98	F025V2DA018	99	F025V3FA018
110	F025R4CA030	113	F025S2FA030	112	F025S4BA030	98	F025V2DA030	99	F025V3FA030
110	F025R4CA033	113	F025S2FA033	112	F025S4BA033	98	F025V2DA033	99	F025V3FA033
110	F025R4DA001	113	F025S2GA001	112	F025S4CA001	99	F025V2EA001	99	F025V3GA001
110	F025R4DA006	113	F025S2GA006	112	F025S4CA006	99	F025V2EA006	99	F025V3GA006
110	F025R4DA012	113	F025S2GA012	112	F025S4CA012	99	F025V2EA012	99	F025V3GA012
110	F025R4DA018	113	F025S2GA018	112	F025S4CA018	99	F025V2EA018	99	F025V3GA018
110	F025R4DA030	113	F025S2GA030	112	F025S4CA030	99	F025V2EA030	99	F025V3GA030
110	F025R4DA033	113	F025S2GA033	112	F025S4CA033	99	F025V2EA033	99	F025V3GA033
111	F025R4EA001	113	F025S2HA001	112	F025S4DA001	99	F025V2FA001	99	F025V3HA001
111	F025R4EA006	113	F025S2HA006	112	F025S4DA006	99	F025V2FA006	99	F025V3HA006
111	F025R4EA012	113	F025S2HA012	112	F025S4DA012	99	F025V2FA012	99	F025V3HA012
111	F025R4EA018	113	F025S2HA018	112	F025S4DA018	99	F025V2FA018	99	F025V3HA018
111	F025R4EA030	113	F025S2HA030	112	F025S4DA030	99	F025V2FA030	99	F025V3HA030
111	F025R4EA033	113	F025S2HA033	112	F025S4DA033	99	F025V2FA033	99	F025V3HA033
111	F025R4FA001	112	F025S3BA001	112	F025S4EA001	99	F025V2GA001	98	F025V4AA001
111	F025R4FA006	112	F025S3BA006	112	F025S4EA006	99	F025V2GA006	98	F025V4AA006
111	F025R4FA012	112	F025S3BA012	112	F025S4EA012	99	F025V2GA012	98	F025V4AA012
111	F025R4FA018	112	F025S3BA018	112	F025S4EA018	99	F025V2GA018	98	F025V4AA018
111	F025R4FA030	112	F025S3BA030	112	F025S4EA030	99	F025V2GA030	98	F025V4AA030
111	F025R4FA033	112	F025S3BA033	112	F025S4EA033	99	F025V2GA033	98	F025V4AA033
111	F025R4GA001	112	F025S3CA001	113	F025S4FA001	99	F025V2HA001	98	F025V4BA001
111	F025R4GA006	112	F025S3CA006	113	F025S4FA006	99	F025V2HA006	98	F025V4BA006
111	F025R4GA012	112	F025S3CA012	113	F025S4FA012	99	F025V2HA012	98	F025V4BA012
111	F025R4GA018	112	F025S3CA018	113	F025S4FA018	99	F025V2HA018	98	F025V4BA018
111	F025R4GA030	112	F025S3CA030	113	F025S4FA030	99	F025V2HA030	98	F025V4BA030
111	F025R4GA033	112	F025S3CA033	113	F025S4FA033	99	F025V2HA033	98	F025V4BA033
111	F025R4HA001	112	F025S3DA001	113	F025S4GA001	98	F025V3AA001	98	F025V4CA001
111	F025R4HA006	112	F025S3DA006	113	F025S4GA006	98	F025V3AA006	98	F025V4CA006
111	F025R4HA012	112	F025S3DA012	113	F025S4GA012	98	F025V3AA012	98	F025V4CA012
111	F025R4HA018	112	F025S3DA018	113	F025S4GA018	98	F025V3AA018	98	F025V4CA018
111	F025R4HA030	112	F025S3DA030	113	F025S4GA030	98	F025V3AA030	98	F025V4CA030
111	F025R4HA033	112	F025S3DA033	113	F025S4GA033	98	F025V3AA033	98	F025V4CA033
112	F025S2BA001	112	F025S3EA001	113	F025S4HA001	98	F025V3BA001	98	F025V4DA001
112	F025S2BA006	112	F025S3EA006	113	F025S4HA006	98	F025V3BA006	98	F025V4DA006
112	F025S2BA012	112	F025S3EA012	113	F025S4HA012	98	F025V3BA012	98	F025V4DA012
112	F025S2BA018	112	F025S3EA018	113	F025S4HA018	98	F025V3BA018	98	F025V4DA018
112	F025S2BA030	112	F025S3EA030	113	F025S4HA030	98	F025V3BA030	98	F025V4DA030
112	F025S2BA033	112	F025S3EA033	113	F025S4HA033	98	F025V3BA033	98	F025V4DA033
112	F025S2CA001	113	F025S3FA001	98	F025V2AA001	98	F025V3CA001	99	F025V4EA001
112	F025S2CA006	113	F025S3FA006	98	F025V2AA006	98	F025V3CA006	99	F025V4EA006
112	F025S2CA012	113	F025S3FA012	98	F025V2AA012	98	F025V3CA012	99	F025V4EA012
112	F025S2CA018	113	F025S3FA018	98	F025V2AA018	98	F025V3CA018	99	F025V4EA018
112	F025S2CA030	113	F025S3FA030	98	F025V2AA030	98	F025V3CA030	99	F025V4EA030
112	F025S2CA033	113	F025S3FA033	98	F025V2AA033	98	F025V3CA033	99	F025V4EA033
112	F025S2DA001	113	F025S3GA001	98	F025V2BA001	98	F025V3DA001	99	F025V4FA001
112	F025S2DA006	113	F025S3GA006	98	F025V2BA006	98	F025V3DA006	99	F025V4FA006
112	F025S2DA012	113	F025S3GA012	98	F025V2BA012	98	F025V3DA012	99	F025V4FA012
112	F025S2DA018	113	F025S3GA018	98	F025V2BA018	98	F025V3DA018	99	F025V4FA018
112	F025S2DA030	113	F025S3GA030	98	F025V2BA030	98	F025V3DA030	99	F025V4FA030
112	F025S2DA033	113	F025S3GA033	98	F025V2BA033	98	F025V3DA033	99	F025V4FA033

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
99	F025V4GA001	100	F025W3CA001	101	F025W4FA001	131	F02602CD033.A	131	F02604CA033.A
99	F025V4GA006	100	F025W3CA006	101	F025W4FA006	131	F02603BA001	131	F02604CB001.A
99	F025V4GA012	100	F025W3CA012	101	F025W4FA012	131	F02603BA006	131	F02604CB006.A
99	F025V4GA018	100	F025W3CA018	101	F025W4FA018	131	F02603BA012	131	F02604CB012.A
99	F025V4GA030	100	F025W3CA030	101	F025W4FA030	131	F02603BA018	131	F02604CB018.A
99	F025V4GA033	100	F025W3CA033	101	F025W4FA033	131	F02603BA030	131	F02604CB030.A
99	F025V4HA001	100	F025W3DA001	101	F025W4GA001	131	F02603BA033	131	F02604CB033.A
99	F025V4HA006	100	F025W3DA006	101	F025W4GA006	131	F02603BB001	131	F02604CD001.A
99	F025V4HA012	100	F025W3DA012	101	F025W4GA012	131	F02603BB006	131	F02604CD006.A
99	F025V4HA018	100	F025W3DA018	101	F025W4GA018	131	F02603BB012	131	F02604CD012.A
99	F025V4HA030	100	F025W3DA030	101	F025W4GA030	131	F02603BB018	131	F02604CD018.A
99	F025V4HA033	100	F025W3DA033	101	F025W4GA033	131	F02603BB030	131	F02604CD030.A
100	F025W2BA001	100	F025W3EA001	101	F025W4HA001	131	F02603BB033	131	F02604CD033.A
100	F025W2BA006	100	F025W3EA006	101	F025W4HA006	131	F02603BD001	148	F02612AA001
100	F025W2BA012	100	F025W3EA012	101	F025W4HA012	131	F02603BD006	148	F02612AA006
100	F025W2BA018	100	F025W3EA018	101	F025W4HA018	131	F02603BD012	148	F02612AA012
100	F025W2BA030	100	F025W3EA030	101	F025W4HA030	131	F02603BD018	148	F02612AA018
100	F025W2BA033	100	F025W3EA033	101	F025W4HA033	131	F02603BD030	148	F02612AA030
100	F025W2CA001	101	F025W3FA001	51	F025Z050001	131	F02603BD033	148	F02612AA033
100	F025W2CA006	101	F025W3FA006	51	F025Z050006	131	F02603CA001	148	F02612AB001
100	F025W2CA012	101	F025W3FA012	51	F025Z050012	131	F02603CA006	148	F02612AB006
100	F025W2CA018	101	F025W3FA018	51	F025Z050018	131	F02603CA012	148	F02612AB012
100	F025W2CA030	101	F025W3FA030	51	F025Z050030	131	F02603CA018	148	F02612AB018
100	F025W2CA033	101	F025W3FA033	51	F025Z050033	131	F02603CA030	148	F02612AB030
100	F025W2DA001	101	F025W3GA001	36	F025Z060000	131	F02603CA033	148	F02612AB033
100	F025W2DA006	101	F025W3GA006	131	F02602BA001.A	131	F02603CB001	148	F02612AD001
100	F025W2DA012	101	F025W3GA012	131	F02602BA006.A	131	F02603CB006	148	F02612AD006
100	F025W2DA018	101	F025W3GA018	131	F02602BA012.A	131	F02603CB012	148	F02612AD012
100	F025W2DA030	101	F025W3GA030	131	F02602BA018.A	131	F02603CB018	148	F02612AD018
100	F025W2DA033	101	F025W3GA033	131	F02602BA030.A	131	F02603CB030	148	F02612AD030
100	F025W2EA001	101	F025W3HA001	131	F02602BA033.A	131	F02603CB033	148	F02612AD033
100	F025W2EA006	101	F025W3HA006	131	F02602BB001.A	131	F02603CD001	148	F02612BA001
100	F025W2EA012	101	F025W3HA012	131	F02602BB006.A	131	F02603CD006	148	F02612BA006
100	F025W2EA018	101	F025W3HA018	131	F02602BB012.A	131	F02603CD012	148	F02612BA012
100	F025W2EA030	101	F025W3HA030	131	F02602BB018.A	131	F02603CD018	148	F02612BA018
100	F025W2EA033	101	F025W3HA033	131	F02602BB030.A	131	F02603CD030	148	F02612BA030
101	F025W2FA001	100	F025W4BA001	131	F02602BB033.A	131	F02603CD033	148	F02612BA033
101	F025W2FA006	100	F025W4BA006	131	F02602BD001.A	131	F02604BA001.A	148	F02612BB001
101	F025W2FA012	100	F025W4BA012	131	F02602BD006.A	131	F02604BA006.A	148	F02612BB006
101	F025W2FA018	100	F025W4BA018	131	F02602BD012.A	131	F02604BA012.A	148	F02612BB012
101	F025W2FA030	100	F025W4BA030	131	F02602BD018.A	131	F02604BA018.A	148	F02612BB018
101	F025W2FA033	100	F025W4BA033	131	F02602BD030.A	131	F02604BA030.A	148	F02612BB030
101	F025W2GA001	100	F025W4CA001	131	F02602BD033.A	131	F02604BA033.A	148	F02612BB033
101	F025W2GA006	100	F025W4CA006	131	F02602CA001.A	131	F02604BB001.A	148	F02612BD001
101	F025W2GA012	100	F025W4CA012	131	F02602CA006.A	131	F02604BB006.A	148	F02612BD006
101	F025W2GA018	100	F025W4CA018	131	F02602CA012.A	131	F02604BB012.A	148	F02612BD012
101	F025W2GA030	100	F025W4CA030	131	F02602CA018.A	131	F02604BB018.A	148	F02612BD018
101	F025W2GA033	100	F025W4CA033	131	F02602CA030.A	131	F02604BB030.A	148	F02612BD030
101	F025W2HA001	100	F025W4DA001	131	F02602CA033.A	131	F02604BB033.A	148	F02612BD033
101	F025W2HA006	100	F025W4DA006	131	F02602CB001.A	131	F02604BD001.A	149	F02612CA001
101	F025W2HA012	100	F025W4DA012	131	F02602CB006.A	131	F02604BD006.A	149	F02612CA006
101	F025W2HA018	100	F025W4DA018	131	F02602CB012.A	131	F02604BD012.A	149	F02612CA012
101	F025W2HA030	100	F025W4DA030	131	F02602CB018.A	131	F02604BD018.A	149	F02612CA018
101	F025W2HA033	100	F025W4DA033	131	F02602CB030.A	131	F02604BD030.A	149	F02612CA030
100	F025W3BA001	100	F025W4EA001	131	F02602CB033.A	131	F02604BD033.A	149	F02612CA033
100	F025W3BA006	100	F025W4EA006	131	F02602CD001.A	131	F02604CA001.A	149	F02612CB001
100	F025W3BA012	100	F025W4EA012	131	F02602CD006.A	131	F02604CA006.A	149	F02612CB006
100	F025W3BA018	100	F025W4EA018	131	F02602CD012.A	131	F02604CA012.A	149	F02612CB012
100	F025W3BA030	100	F025W4EA030	131	F02602CD018.A	131	F02604CA018.A	149	F02612CB018
100	F025W3BA033	100	F025W4EA033	131	F02602CD030.A	131	F02604CA030.A	149	F02612CB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
149	F02612CB033	150	F02612FD033	148	F02613BA033	149	F02613EB033	150	F02613HD033
149	F02612CD001	150	F02612GA001	148	F02613BB001	149	F02613ED001	148	F02614AA001
149	F02612CD006	150	F02612GA006	148	F02613BB006	149	F02613ED006	148	F02614AA006
149	F02612CD012	150	F02612GA012	148	F02613BB012	149	F02613ED012	148	F02614AA012
149	F02612CD018	150	F02612GA018	148	F02613BB018	149	F02613ED018	148	F02614AA018
149	F02612CD030	150	F02612GA030	148	F02613BB030	149	F02613ED030	148	F02614AA030
149	F02612CD033	150	F02612GA033	148	F02613BB033	149	F02613ED033	148	F02614AA033
149	F02612DA001	150	F02612GB001	148	F02613BD001	150	F02613FA001	148	F02614AB001
149	F02612DA006	150	F02612GB006	148	F02613BD006	150	F02613FA006	148	F02614AB006
149	F02612DA012	150	F02612GB012	148	F02613BD012	150	F02613FA012	148	F02614AB012
149	F02612DA018	150	F02612GB018	148	F02613BD018	150	F02613FA018	148	F02614AB018
149	F02612DA030	150	F02612GB030	148	F02613BD030	150	F02613FA030	148	F02614AB030
149	F02612DA033	150	F02612GB033	148	F02613BD033	150	F02613FA033	148	F02614AB033
149	F02612DB001	150	F02612GD001	149	F02613CA001	150	F02613FB001	148	F02614AD001
149	F02612DB006	150	F02612GD006	149	F02613CA006	150	F02613FB006	148	F02614AD006
149	F02612DB012	150	F02612GD012	149	F02613CA012	150	F02613FB012	148	F02614AD012
149	F02612DB018	150	F02612GD018	149	F02613CA018	150	F02613FB018	148	F02614AD018
149	F02612DB030	150	F02612GD030	149	F02613CA030	150	F02613FB030	148	F02614AD030
149	F02612DB033	150	F02612GD033	149	F02613CA033	150	F02613FB033	148	F02614AD033
149	F02612DD001	150	F02612HA001	149	F02613CB001	150	F02613FD001	148	F02614BA001
149	F02612DD006	150	F02612HA006	149	F02613CB006	150	F02613FD006	148	F02614BA006
149	F02612DD012	150	F02612HA012	149	F02613CB012	150	F02613FD012	148	F02614BA012
149	F02612DD018	150	F02612HA018	149	F02613CB018	150	F02613FD018	148	F02614BA018
149	F02612DD030	150	F02612HA030	149	F02613CB030	150	F02613FD030	148	F02614BA030
149	F02612DD033	150	F02612HA033	149	F02613CB033	150	F02613FD033	148	F02614BA033
149	F02612EA001	150	F02612HB001	149	F02613CD001	150	F02613GA001	148	F02614BB001
149	F02612EA006	150	F02612HB006	149	F02613CD006	150	F02613GA006	148	F02614BB006
149	F02612EA012	150	F02612HB012	149	F02613CD012	150	F02613GA012	148	F02614BB012
149	F02612EA018	150	F02612HB018	149	F02613CD018	150	F02613GA018	148	F02614BB018
149	F02612EA030	150	F02612HB030	149	F02613CD030	150	F02613GA030	148	F02614BB030
149	F02612EA033	150	F02612HB033	149	F02613CD033	150	F02613GA033	148	F02614BB033
149	F02612EB001	150	F02612HD001	149	F02613DA001	150	F02613GB001	148	F02614BD001
149	F02612EB006	150	F02612HD006	149	F02613DA006	150	F02613GB006	148	F02614BD006
149	F02612EB012	150	F02612HD012	149	F02613DA012	150	F02613GB012	148	F02614BD012
149	F02612EB018	150	F02612HD018	149	F02613DA018	150	F02613GB018	148	F02614BD018
149	F02612EB030	150	F02612HD030	149	F02613DA030	150	F02613GB030	148	F02614BD030
149	F02612EB033	150	F02612HD033	149	F02613DA033	150	F02613GB033	148	F02614BD033
149	F02612ED001	148	F02613AA001	149	F02613DB001	150	F02613GD001	149	F02614CA001
149	F02612ED006	148	F02613AA006	149	F02613DB006	150	F02613GD006	149	F02614CA006
149	F02612ED012	148	F02613AA012	149	F02613DB012	150	F02613GD012	149	F02614CA012
149	F02612ED018	148	F02613AA018	149	F02613DB018	150	F02613GD018	149	F02614CA018
149	F02612ED030	148	F02613AA030	149	F02613DB030	150	F02613GD030	149	F02614CA030
149	F02612ED033	148	F02613AA033	149	F02613DB033	150	F02613GD033	149	F02614CA033
150	F02612FA001	148	F02613AB001	149	F02613DD001	150	F02613HA001	149	F02614CB001
150	F02612FA006	148	F02613AB006	149	F02613DD006	150	F02613HA006	149	F02614CB006
150	F02612FA012	148	F02613AB012	149	F02613DD012	150	F02613HA012	149	F02614CB012
150	F02612FA018	148	F02613AB018	149	F02613DD018	150	F02613HA018	149	F02614CB018
150	F02612FA030	148	F02613AB030	149	F02613DD030	150	F02613HA030	149	F02614CB030
150	F02612FA033	148	F02613AB033	149	F02613DD033	150	F02613HA033	149	F02614CB033
150	F02612FB001	148	F02613AD001	149	F02613EA001	150	F02613HB001	149	F02614CD001
150	F02612FB006	148	F02613AD006	149	F02613EA006	150	F02613HB006	149	F02614CD006
150	F02612FB012	148	F02613AD012	149	F02613EA012	150	F02613HB012	149	F02614CD012
150	F02612FB018	148	F02613AD018	149	F02613EA018	150	F02613HB018	149	F02614CD018
150	F02612FB030	148	F02613AD030	149	F02613EA030	150	F02613HB030	149	F02614CD030
150	F02612FB033	148	F02613AD033	149	F02613EA033	150	F02613HB033	149	F02614CD033
150	F02612FD001	148	F02613BA001	149	F02613EB001	150	F02613HD001	149	F02614DA001
150	F02612FD006	148	F02613BA006	149	F02613EB006	150	F02613HD006	149	F02614DA006
150	F02612FD012	148	F02613BA012	149	F02613EB012	150	F02613HD012	149	F02614DA012
150	F02612FD018	148	F02613BA018	149	F02613EB018	150	F02613HD018	149	F02614DA018
150	F02612FD030	148	F02613BA030	149	F02613EB030	150	F02613HD030	149	F02614DA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
149	F02614DA033	150	F02614GB033	151	F02622CD033	153	F02622GA033	151	F02623CB033
149	F02614DB001	150	F02614GD001	152	F02622DA001	153	F02622GB001	151	F02623CD001
149	F02614DB006	150	F02614GD006	152	F02622DA006	153	F02622GB006	151	F02623CD006
149	F02614DB012	150	F02614GD012	152	F02622DA012	153	F02622GB012	151	F02623CD012
149	F02614DB018	150	F02614GD018	152	F02622DA018	153	F02622GB018	151	F02623CD018
149	F02614DB030	150	F02614GD030	152	F02622DA030	153	F02622GB030	151	F02623CD030
149	F02614DB033	150	F02614GD033	152	F02622DA033	153	F02622GB033	151	F02623CD033
149	F02614DD001	150	F02614HA001	152	F02622DB001	153	F02622GD001	152	F02623DA001
149	F02614DD006	150	F02614HA006	152	F02622DB006	153	F02622GD006	152	F02623DA006
149	F02614DD012	150	F02614HA012	152	F02622DB012	153	F02622GD012	152	F02623DA012
149	F02614DD018	150	F02614HA018	152	F02622DB018	153	F02622GD018	152	F02623DA018
149	F02614DD030	150	F02614HA030	152	F02622DB030	153	F02622GD030	152	F02623DA030
149	F02614DD033	150	F02614HA033	152	F02622DB033	153	F02622GD033	152	F02623DA033
149	F02614EA001	150	F02614HB001	152	F02622DD001	153	F02622HA001	152	F02623DB001
149	F02614EA006	150	F02614HB006	152	F02622DD006	153	F02622HA006	152	F02623DB006
149	F02614EA012	150	F02614HB012	152	F02622DD012	153	F02622HA012	152	F02623DB012
149	F02614EA018	150	F02614HB018	152	F02622DD018	153	F02622HA018	152	F02623DB018
149	F02614EA030	150	F02614HB030	152	F02622DD030	153	F02622HA030	152	F02623DB030
149	F02614EA033	150	F02614HB033	152	F02622DD033	153	F02622HA033	152	F02623DB033
149	F02614EB001	150	F02614HD001	152	F02622EA001	153	F02622HB001	152	F02623DD001
149	F02614EB006	150	F02614HD006	152	F02622EA006	153	F02622HB006	152	F02623DD006
149	F02614EB012	150	F02614HD012	152	F02622EA012	153	F02622HB012	152	F02623DD012
149	F02614EB018	150	F02614HD018	152	F02622EA018	153	F02622HB018	152	F02623DD018
149	F02614EB030	150	F02614HD030	152	F02622EA030	153	F02622HB030	152	F02623DD030
149	F02614EB033	150	F02614HD033	152	F02622EA033	153	F02622HB033	152	F02623DD033
149	F02614ED001	151	F02622BA001	152	F02622EB001	153	F02622HD001	152	F02623EA001
149	F02614ED006	151	F02622BA006	152	F02622EB006	153	F02622HD006	152	F02623EA006
149	F02614ED012	151	F02622BA012	152	F02622EB012	153	F02622HD012	152	F02623EA012
149	F02614ED018	151	F02622BA018	152	F02622EB018	153	F02622HD018	152	F02623EA018
149	F02614ED030	151	F02622BA030	152	F02622EB030	153	F02622HD030	152	F02623EA030
149	F02614ED033	151	F02622BA033	152	F02622EB033	153	F02622HD033	152	F02623EA033
150	F02614FA001	151	F02622BB001	152	F02622ED001	151	F02623BA001	152	F02623EB001
150	F02614FA006	151	F02622BB006	152	F02622ED006	151	F02623BA006	152	F02623EB006
150	F02614FA012	151	F02622BB012	152	F02622ED012	151	F02623BA012	152	F02623EB012
150	F02614FA018	151	F02622BB018	152	F02622ED018	151	F02623BA018	152	F02623EB018
150	F02614FA030	151	F02622BB030	152	F02622ED030	151	F02623BA030	152	F02623EB030
150	F02614FA033	151	F02622BB033	152	F02622ED033	151	F02623BA033	152	F02623EB033
150	F02614FB001	151	F02622BD001	152	F02622FA001	151	F02623BB001	152	F02623ED001
150	F02614FB006	151	F02622BD006	152	F02622FA006	151	F02623BB006	152	F02623ED006
150	F02614FB012	151	F02622BD012	152	F02622FA012	151	F02623BB012	152	F02623ED012
150	F02614FB018	151	F02622BD018	152	F02622FA018	151	F02623BB018	152	F02623ED018
150	F02614FB030	151	F02622BD030	152	F02622FA030	151	F02623BB030	152	F02623ED030
150	F02614FB033	151	F02622BD033	152	F02622FA033	151	F02623BB033	152	F02623ED033
150	F02614FD001	151	F02622CA001	152	F02622FB001	151	F02623BD001	152	F02623FA001
150	F02614FD006	151	F02622CA006	152	F02622FB006	151	F02623BD006	152	F02623FA006
150	F02614FD012	151	F02622CA012	152	F02622FB012	151	F02623BD012	152	F02623FA012
150	F02614FD018	151	F02622CA018	152	F02622FB018	151	F02623BD018	152	F02623FA018
150	F02614FD030	151	F02622CA030	152	F02622FB030	151	F02623BD030	152	F02623FA030
150	F02614FD033	151	F02622CA033	152	F02622FB033	151	F02623BD033	152	F02623FA033
150	F02614GA001	151	F02622CB001	152	F02622FD001	151	F02623CA001	152	F02623FB001
150	F02614GA006	151	F02622CB006	152	F02622FD006	151	F02623CA006	152	F02623FB006
150	F02614GA012	151	F02622CB012	152	F02622FD012	151	F02623CA012	152	F02623FB012
150	F02614GA018	151	F02622CB018	152	F02622FD018	151	F02623CA018	152	F02623FB018
150	F02614GA030	151	F02622CB030	152	F02622FD030	151	F02623CA030	152	F02623FB030
150	F02614GA033	151	F02622CB033	152	F02622FD033	151	F02623CA033	152	F02623FB033
150	F02614GB001	151	F02622CD001	153	F02622GA001	151	F02623CB001	152	F02623FD001
150	F02614GB006	151	F02622CD006	153	F02622GA006	151	F02623CB006	152	F02623FD006
150	F02614GB012	151	F02622CD012	153	F02622GA012	151	F02623CB012	152	F02623FD012
150	F02614GB018	151	F02622CD018	153	F02622GA018	151	F02623CB018	152	F02623FD018
150	F02614GB030	151	F02622CD030	153	F02622GA030	151	F02623CB030	152	F02623FD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
152	F02623FD033	151	F02624CA033	152	F02624FB033	136	F02652AD033	137	F02652EA033
153	F02623GA001	151	F02624CB001	152	F02624FD001	136	F02652BA001	137	F02652EB001
153	F02623GA006	151	F02624CB006	152	F02624FD006	136	F02652BA006	137	F02652EB006
153	F02623GA012	151	F02624CB012	152	F02624FD012	136	F02652BA012	137	F02652EB012
153	F02623GA018	151	F02624CB018	152	F02624FD018	136	F02652BA018	137	F02652EB018
153	F02623GA030	151	F02624CB030	152	F02624FD030	136	F02652BA030	137	F02652EB030
153	F02623GA033	151	F02624CB033	152	F02624FD033	136	F02652BA033	137	F02652EB033
153	F02623GB001	151	F02624CD001	153	F02624GA001	136	F02652BB001	137	F02652ED001
153	F02623GB006	151	F02624CD006	153	F02624GA006	136	F02652BB006	137	F02652ED006
153	F02623GB012	151	F02624CD012	153	F02624GA012	136	F02652BB012	137	F02652ED012
153	F02623GB018	151	F02624CD018	153	F02624GA018	136	F02652BB018	137	F02652ED018
153	F02623GB030	151	F02624CD030	153	F02624GA030	136	F02652BB030	137	F02652ED030
153	F02623GB033	151	F02624CD033	153	F02624GA033	136	F02652BB033	137	F02652ED033
153	F02623GD001	152	F02624DA001	153	F02624GB001	136	F02652BD001	138	F02652FA001
153	F02623GD006	152	F02624DA006	153	F02624GB006	136	F02652BD006	138	F02652FA006
153	F02623GD012	152	F02624DA012	153	F02624GB012	136	F02652BD012	138	F02652FA012
153	F02623GD018	152	F02624DA018	153	F02624GB018	136	F02652BD018	138	F02652FA018
153	F02623GD030	152	F02624DA030	153	F02624GB030	136	F02652BD030	138	F02652FA030
153	F02623GD033	152	F02624DA033	153	F02624GB033	136	F02652BD033	138	F02652FA033
153	F02623HA001	152	F02624DB001	153	F02624GD001	137	F02652CA001	138	F02652FB001
153	F02623HA006	152	F02624DB006	153	F02624GD006	137	F02652CA006	138	F02652FB006
153	F02623HA012	152	F02624DB012	153	F02624GD012	137	F02652CA012	138	F02652FB012
153	F02623HA018	152	F02624DB018	153	F02624GD018	137	F02652CA018	138	F02652FB018
153	F02623HA030	152	F02624DB030	153	F02624GD030	137	F02652CA030	138	F02652FB030
153	F02623HA033	152	F02624DB033	153	F02624GD033	137	F02652CA033	138	F02652FB033
153	F02623HB001	152	F02624DD001	153	F02624HA001	137	F02652CB001	138	F02652FD001
153	F02623HB006	152	F02624DD006	153	F02624HA006	137	F02652CB006	138	F02652FD006
153	F02623HB012	152	F02624DD012	153	F02624HA012	137	F02652CB012	138	F02652FD012
153	F02623HB018	152	F02624DD018	153	F02624HA018	137	F02652CB018	138	F02652FD018
153	F02623HB030	152	F02624DD030	153	F02624HA030	137	F02652CB030	138	F02652FD030
153	F02623HB033	152	F02624DD033	153	F02624HA033	137	F02652CB033	138	F02652FD033
153	F02623HD001	152	F02624EA001	153	F02624HB001	137	F02652CD001	138	F02652GA001
153	F02623HD006	152	F02624EA006	153	F02624HB006	137	F02652CD006	138	F02652GA006
153	F02623HD012	152	F02624EA012	153	F02624HB012	137	F02652CD012	138	F02652GA012
153	F02623HD018	152	F02624EA018	153	F02624HB018	137	F02652CD018	138	F02652GA018
153	F02623HD030	152	F02624EA030	153	F02624HB030	137	F02652CD030	138	F02652GA030
153	F02623HD033	152	F02624EA033	153	F02624HB033	137	F02652CD033	138	F02652GA033
151	F02624BA001	152	F02624EB001	153	F02624HD001	137	F02652DA001	138	F02652GB001
151	F02624BA006	152	F02624EB006	153	F02624HD006	137	F02652DA006	138	F02652GB006
151	F02624BA012	152	F02624EB012	153	F02624HD012	137	F02652DA012	138	F02652GB012
151	F02624BA018	152	F02624EB018	153	F02624HD018	137	F02652DA018	138	F02652GB018
151	F02624BA030	152	F02624EB030	153	F02624HD030	137	F02652DA030	138	F02652GB030
151	F02624BA033	152	F02624EB033	153	F02624HD033	137	F02652DA033	138	F02652GB033
151	F02624BB001	152	F02624ED001	136	F02652AA001	137	F02652DB001	138	F02652GD001
151	F02624BB006	152	F02624ED006	136	F02652AA006	137	F02652DB006	138	F02652GD006
151	F02624BB012	152	F02624ED012	136	F02652AA012	137	F02652DB012	138	F02652GD012
151	F02624BB018	152	F02624ED018	136	F02652AA018	137	F02652DB018	138	F02652GD018
151	F02624BB030	152	F02624ED030	136	F02652AA030	137	F02652DB030	138	F02652GD030
151	F02624BB033	152	F02624ED033	136	F02652AA033	137	F02652DB033	138	F02652GD033
151	F02624BD001	152	F02624FA001	136	F02652AB001	137	F02652DD001	138	F02652HA001
151	F02624BD006	152	F02624FA006	136	F02652AB006	137	F02652DD006	138	F02652HA006
151	F02624BD012	152	F02624FA012	136	F02652AB012	137	F02652DD012	138	F02652HA012
151	F02624BD018	152	F02624FA018	136	F02652AB018	137	F02652DD018	138	F02652HA018
151	F02624BD030	152	F02624FA030	136	F02652AB030	137	F02652DD030	138	F02652HA030
151	F02624BD033	152	F02624FA033	136	F02652AB033	137	F02652DD033	138	F02652HA033
151	F02624CA001	152	F02624FB001	136	F02652AD001	137	F02652EA001	138	F02652HB001
151	F02624CA006	152	F02624FB006	136	F02652AD006	137	F02652EA006	138	F02652HB006
151	F02624CA012	152	F02624FB012	136	F02652AD012	137	F02652EA012	138	F02652HB012
151	F02624CA018	152	F02624FB018	136	F02652AD018	137	F02652EA018	138	F02652HB018
151	F02624CA030	152	F02624FB030	136	F02652AD030	137	F02652EA030	138	F02652HB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
138	F02652HB033	137	F02653CD033	138	F02653GA033	136	F02654BB033	137	F02654ED033
138	F02652HD001	137	F02653DA001	138	F02653GB001	136	F02654BD001	138	F02654FA001
138	F02652HD006	137	F02653DA006	138	F02653GB006	136	F02654BD006	138	F02654FA006
138	F02652HD012	137	F02653DA012	138	F02653GB012	136	F02654BD012	138	F02654FA012
138	F02652HD018	137	F02653DA018	138	F02653GB018	136	F02654BD018	138	F02654FA018
138	F02652HD030	137	F02653DA030	138	F02653GB030	136	F02654BD030	138	F02654FA030
138	F02652HD033	137	F02653DA033	138	F02653GB033	136	F02654BD033	138	F02654FA033
136	F02653AA001	137	F02653DB001	138	F02653GD001	137	F02654CA001	138	F02654FB001
136	F02653AA006	137	F02653DB006	138	F02653GD006	137	F02654CA006	138	F02654FB006
136	F02653AA012	137	F02653DB012	138	F02653GD012	137	F02654CA012	138	F02654FB012
136	F02653AA018	137	F02653DB018	138	F02653GD018	137	F02654CA018	138	F02654FB018
136	F02653AA030	137	F02653DB030	138	F02653GD030	137	F02654CA030	138	F02654FB030
136	F02653AA033	137	F02653DB033	138	F02653GD033	137	F02654CA033	138	F02654FB033
136	F02653AB001	137	F02653DD001	138	F02653HA001	137	F02654CB001	138	F02654FD001
136	F02653AB006	137	F02653DD006	138	F02653HA006	137	F02654CB006	138	F02654FD006
136	F02653AB012	137	F02653DD012	138	F02653HA012	137	F02654CB012	138	F02654FD012
136	F02653AB018	137	F02653DD018	138	F02653HA018	137	F02654CB018	138	F02654FD018
136	F02653AB030	137	F02653DD030	138	F02653HA030	137	F02654CB030	138	F02654FD030
136	F02653AB033	137	F02653DD033	138	F02653HA033	137	F02654CB033	138	F02654FD033
136	F02653AD001	137	F02653EA001	138	F02653HB001	137	F02654CD001	138	F02654GA001
136	F02653AD006	137	F02653EA006	138	F02653HB006	137	F02654CD006	138	F02654GA006
136	F02653AD012	137	F02653EA012	138	F02653HB012	137	F02654CD012	138	F02654GA012
136	F02653AD018	137	F02653EA018	138	F02653HB018	137	F02654CD018	138	F02654GA018
136	F02653AD030	137	F02653EA030	138	F02653HB030	137	F02654CD030	138	F02654GA030
136	F02653AD033	137	F02653EA033	138	F02653HB033	137	F02654CD033	138	F02654GA033
136	F02653BA001	137	F02653EB001	138	F02653HD001	137	F02654DA001	138	F02654GB001
136	F02653BA006	137	F02653EB006	138	F02653HD006	137	F02654DA006	138	F02654GB006
136	F02653BA012	137	F02653EB012	138	F02653HD012	137	F02654DA012	138	F02654GB012
136	F02653BA018	137	F02653EB018	138	F02653HD018	137	F02654DA018	138	F02654GB018
136	F02653BA030	137	F02653EB030	138	F02653HD030	137	F02654DA030	138	F02654GB030
136	F02653BA033	137	F02653EB033	138	F02653HD033	137	F02654DA033	138	F02654GB033
136	F02653BB001	137	F02653ED001	136	F02654AA001	137	F02654DB001	138	F02654GD001
136	F02653BB006	137	F02653ED006	136	F02654AA006	137	F02654DB006	138	F02654GD006
136	F02653BB012	137	F02653ED012	136	F02654AA012	137	F02654DB012	138	F02654GD012
136	F02653BB018	137	F02653ED018	136	F02654AA018	137	F02654DB018	138	F02654GD018
136	F02653BB030	137	F02653ED030	136	F02654AA030	137	F02654DB030	138	F02654GD030
136	F02653BB033	137	F02653ED033	136	F02654AA033	137	F02654DB033	138	F02654GD033
136	F02653BD001	138	F02653FA001	136	F02654AB001	137	F02654DD001	138	F02654HA001
136	F02653BD006	138	F02653FA006	136	F02654AB006	137	F02654DD006	138	F02654HA006
136	F02653BD012	138	F02653FA012	136	F02654AB012	137	F02654DD012	138	F02654HA012
136	F02653BD018	138	F02653FA018	136	F02654AB018	137	F02654DD018	138	F02654HA018
136	F02653BD030	138	F02653FA030	136	F02654AB030	137	F02654DD030	138	F02654HA030
136	F02653BD033	138	F02653FA033	136	F02654AB033	137	F02654DD033	138	F02654HA033
137	F02653CA001	138	F02653FB001	136	F02654AD001	137	F02654EA001	138	F02654HB001
137	F02653CA006	138	F02653FB006	136	F02654AD006	137	F02654EA006	138	F02654HB006
137	F02653CA012	138	F02653FB012	136	F02654AD012	137	F02654EA012	138	F02654HB012
137	F02653CA018	138	F02653FB018	136	F02654AD018	137	F02654EA018	138	F02654HB018
137	F02653CA030	138	F02653FB030	136	F02654AD030	137	F02654EA030	138	F02654HB030
137	F02653CA033	138	F02653FB033	136	F02654AD033	137	F02654EA033	138	F02654HB033
137	F02653CB001	138	F02653FD001	136	F02654BA001	137	F02654EB001	138	F02654HD001
137	F02653CB006	138	F02653FD006	136	F02654BA006	137	F02654EB006	138	F02654HD006
137	F02653CB012	138	F02653FD012	136	F02654BA012	137	F02654EB012	138	F02654HD012
137	F02653CB018	138	F02653FD018	136	F02654BA018	137	F02654EB018	138	F02654HD018
137	F02653CB030	138	F02653FD030	136	F02654BA030	137	F02654EB030	138	F02654HD030
137	F02653CB033	138	F02653FD033	136	F02654BA033	137	F02654EB033	138	F02654HD033
137	F02653CD001	138	F02653GA001	136	F02654BB001	137	F02654ED001	139	F02662BA001
137	F02653CD006	138	F02653GA006	136	F02654BB006	137	F02654ED006	139	F02662BA006
137	F02653CD012	138	F02653GA012	136	F02654BB012	137	F02654ED012	139	F02662BA012
137	F02653CD018	138	F02653GA018	136	F02654BB018	137	F02654ED018	139	F02662BA018
137	F02653CD030	138	F02653GA030	136	F02654BB030	137	F02654ED030	139	F02662BA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
139	F02662BA033	140	F02662EB033	141	F02662HD033	140	F02663EA033	141	F02663HB033
139	F02662BB001	140	F02662ED001	139	F02663BA001	140	F02663EB001	141	F02663HD001
139	F02662BB006	140	F02662ED006	139	F02663BA006	140	F02663EB006	141	F02663HD006
139	F02662BB012	140	F02662ED012	139	F02663BA012	140	F02663EB012	141	F02663HD012
139	F02662BB018	140	F02662ED018	139	F02663BA018	140	F02663EB018	141	F02663HD018
139	F02662BB030	140	F02662ED030	139	F02663BA030	140	F02663EB030	141	F02663HD030
139	F02662BB033	140	F02662ED033	139	F02663BA033	140	F02663EB033	141	F02663HD033
139	F02662BD001	140	F02662FA001	139	F02663BB001	140	F02663ED001	139	F02664BA001
139	F02662BD006	140	F02662FA006	139	F02663BB006	140	F02663ED006	139	F02664BA006
139	F02662BD012	140	F02662FA012	139	F02663BB012	140	F02663ED012	139	F02664BA012
139	F02662BD018	140	F02662FA018	139	F02663BB018	140	F02663ED018	139	F02664BA018
139	F02662BD030	140	F02662FA030	139	F02663BB030	140	F02663ED030	139	F02664BA030
139	F02662BD033	140	F02662FA033	139	F02663BB033	140	F02663ED033	139	F02664BA033
139	F02662CA001	140	F02662FB001	139	F02663BD001	140	F02663FA001	139	F02664BB001
139	F02662CA006	140	F02662FB006	139	F02663BD006	140	F02663FA006	139	F02664BB006
139	F02662CA012	140	F02662FB012	139	F02663BD012	140	F02663FA012	139	F02664BB012
139	F02662CA018	140	F02662FB018	139	F02663BD018	140	F02663FA018	139	F02664BB018
139	F02662CA030	140	F02662FB030	139	F02663BD030	140	F02663FA030	139	F02664BB030
139	F02662CA033	140	F02662FB033	139	F02663BD033	140	F02663FA033	139	F02664BB033
139	F02662CB001	140	F02662FD001	139	F02663CA001	140	F02663FB001	139	F02664BD001
139	F02662CB006	140	F02662FD006	139	F02663CA006	140	F02663FB006	139	F02664BD006
139	F02662CB012	140	F02662FD012	139	F02663CA012	140	F02663FB012	139	F02664BD012
139	F02662CB018	140	F02662FD018	139	F02663CA018	140	F02663FB018	139	F02664BD018
139	F02662CB030	140	F02662FD030	139	F02663CA030	140	F02663FB030	139	F02664BD030
139	F02662CB033	140	F02662FD033	139	F02663CA033	140	F02663FB033	139	F02664BD033
139	F02662CD001	141	F02662GA001	139	F02663CB001	140	F02663FD001	139	F02664CA001
139	F02662CD006	141	F02662GA006	139	F02663CB006	140	F02663FD006	139	F02664CA006
139	F02662CD012	141	F02662GA012	139	F02663CB012	140	F02663FD012	139	F02664CA012
139	F02662CD018	141	F02662GA018	139	F02663CB018	140	F02663FD018	139	F02664CA018
139	F02662CD030	141	F02662GA030	139	F02663CB030	140	F02663FD030	139	F02664CA030
139	F02662CD033	141	F02662GA033	139	F02663CB033	140	F02663FD033	139	F02664CA033
140	F02662DA001	141	F02662GB001	139	F02663CD001	141	F02663GA001	139	F02664CB001
140	F02662DA006	141	F02662GB006	139	F02663CD006	141	F02663GA006	139	F02664CB006
140	F02662DA012	141	F02662GB012	139	F02663CD012	141	F02663GA012	139	F02664CB012
140	F02662DA018	141	F02662GB018	139	F02663CD018	141	F02663GA018	139	F02664CB018
140	F02662DA030	141	F02662GB030	139	F02663CD030	141	F02663GA030	139	F02664CB030
140	F02662DA033	141	F02662GB033	139	F02663CD033	141	F02663GA033	139	F02664CB033
140	F02662DB001	141	F02662GD001	140	F02663DA001	141	F02663GB001	139	F02664CD001
140	F02662DB006	141	F02662GD006	140	F02663DA006	141	F02663GB006	139	F02664CD006
140	F02662DB012	141	F02662GD012	140	F02663DA012	141	F02663GB012	139	F02664CD012
140	F02662DB018	141	F02662GD018	140	F02663DA018	141	F02663GB018	139	F02664CD018
140	F02662DB030	141	F02662GD030	140	F02663DA030	141	F02663GB030	139	F02664CD030
140	F02662DB033	141	F02662GD033	140	F02663DA033	141	F02663GB033	139	F02664CD033
140	F02662DD001	141	F02662HA001	140	F02663DB001	141	F02663GD001	140	F02664DA001
140	F02662DD006	141	F02662HA006	140	F02663DB006	141	F02663GD006	140	F02664DA006
140	F02662DD012	141	F02662HA012	140	F02663DB012	141	F02663GD012	140	F02664DA012
140	F02662DD018	141	F02662HA018	140	F02663DB018	141	F02663GD018	140	F02664DA018
140	F02662DD030	141	F02662HA030	140	F02663DB030	141	F02663GD030	140	F02664DA030
140	F02662DD033	141	F02662HA033	140	F02663DB033	141	F02663GD033	140	F02664DA033
140	F02662EA001	141	F02662HB001	140	F02663DD001	141	F02663HA001	140	F02664DB001
140	F02662EA006	141	F02662HB006	140	F02663DD006	141	F02663HA006	140	F02664DB006
140	F02662EA012	141	F02662HB012	140	F02663DD012	141	F02663HA012	140	F02664DB012
140	F02662EA018	141	F02662HB018	140	F02663DD018	141	F02663HA018	140	F02664DB018
140	F02662EA030	141	F02662HB030	140	F02663DD030	141	F02663HA030	140	F02664DB030
140	F02662EA033	141	F02662HB033	140	F02663DD033	141	F02663HA033	140	F02664DB033
140	F02662EB001	141	F02662HD001	140	F02663EA001	141	F02663HB001	140	F02664DD001
140	F02662EB006	141	F02662HD006	140	F02663EA006	141	F02663HB006	140	F02664DD006
140	F02662EB012	141	F02662HD012	140	F02663EA012	141	F02663HB012	140	F02664DD012
140	F02662EB018	141	F02662HD018	140	F02663EA018	141	F02663HB018	140	F02664DD018
140	F02662EB030	141	F02662HD030	140	F02663EA030	141	F02663HB030	140	F02664DD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
140	F02664DD033	141	F02664HA033	37	F026A3BB033	37	F026A4CD033.A	53	F026B2DA033
140	F02664EA001	141	F02664HB001	37	F026A3BD001	52	F026B2AA001	53	F026B2DB001
140	F02664EA006	141	F02664HB006	37	F026A3BD006	52	F026B2AA006	53	F026B2DB006
140	F02664EA012	141	F02664HB012	37	F026A3BD012	52	F026B2AA012	53	F026B2DB012
140	F02664EA018	141	F02664HB018	37	F026A3BD018	52	F026B2AA018	53	F026B2DB018
140	F02664EA030	141	F02664HB030	37	F026A3BD030	52	F026B2AA030	53	F026B2DB030
140	F02664EA033	141	F02664HB033	37	F026A3BD033	52	F026B2AA033	53	F026B2DB033
140	F02664EB001	141	F02664HD001	37	F026A3CA001	52	F026B2AB001	53	F026B2DD001
140	F02664EB006	141	F02664HD006	37	F026A3CA006	52	F026B2AB006	53	F026B2DD006
140	F02664EB012	141	F02664HD012	37	F026A3CA012	52	F026B2AB012	53	F026B2DD012
140	F02664EB018	141	F02664HD018	37	F026A3CA018	52	F026B2AB018	53	F026B2DD018
140	F02664EB030	141	F02664HD030	37	F026A3CA030	52	F026B2AB030	53	F026B2DD030
140	F02664EB033	141	F02664HD033	37	F026A3CA033	52	F026B2AB033	53	F026B2DD033
140	F02664ED001	37	F026A2BA001.A	37	F026A3CB001	52	F026B2AD001	53	F026B2EA001
140	F02664ED006	37	F026A2BA006.A	37	F026A3CB006	52	F026B2AD006	53	F026B2EA006
140	F02664ED012	37	F026A2BA012.A	37	F026A3CB012	52	F026B2AD012	53	F026B2EA012
140	F02664ED018	37	F026A2BA018.A	37	F026A3CB018	52	F026B2AD018	53	F026B2EA018
140	F02664ED030	37	F026A2BA030.A	37	F026A3CB030	52	F026B2AD030	53	F026B2EA030
140	F02664ED033	37	F026A2BA033.A	37	F026A3CB033	52	F026B2AD033	53	F026B2EA033
140	F02664FA001	37	F026A2BB001.A	37	F026A3CD001	52	F026B2BA001	53	F026B2EB001
140	F02664FA006	37	F026A2BB006.A	37	F026A3CD006	52	F026B2BA006	53	F026B2EB006
140	F02664FA012	37	F026A2BB012.A	37	F026A3CD012	52	F026B2BA012	53	F026B2EB012
140	F02664FA018	37	F026A2BB018.A	37	F026A3CD018	52	F026B2BA018	53	F026B2EB018
140	F02664FA030	37	F026A2BB030.A	37	F026A3CD030	52	F026B2BA030	53	F026B2EB030
140	F02664FA033	37	F026A2BB033.A	37	F026A3CD033	52	F026B2BA033	53	F026B2EB033
140	F02664FB001	37	F026A2BD001.A	37	F026A4BA001.A	52	F026B2BB001	53	F026B2ED001
140	F02664FB006	37	F026A2BD006.A	37	F026A4BA006.A	52	F026B2BB006	53	F026B2ED006
140	F02664FB012	37	F026A2BD012.A	37	F026A4BA012.A	52	F026B2BB012	53	F026B2ED012
140	F02664FB018	37	F026A2BD018.A	37	F026A4BA018.A	52	F026B2BB018	53	F026B2ED018
140	F02664FB030	37	F026A2BD030.A	37	F026A4BA030.A	52	F026B2BB030	53	F026B2ED030
140	F02664FB033	37	F026A2BD033.A	37	F026A4BA033.A	52	F026B2BB033	53	F026B2ED033
140	F02664FD001	37	F026A2CA001.A	37	F026A4BB001.A	52	F026B2BD001	54	F026B2FA001
140	F02664FD006	37	F026A2CA006.A	37	F026A4BB006.A	52	F026B2BD006	54	F026B2FA006
140	F02664FD012	37	F026A2CA012.A	37	F026A4BB012.A	52	F026B2BD012	54	F026B2FA012
140	F02664FD018	37	F026A2CA018.A	37	F026A4BB018.A	52	F026B2BD018	54	F026B2FA018
140	F02664FD030	37	F026A2CA030.A	37	F026A4BB030.A	52	F026B2BD030	54	F026B2FA030
140	F02664FD033	37	F026A2CA033.A	37	F026A4BB033.A	52	F026B2BD033	54	F026B2FA033
141	F02664GA001	37	F026A2CB001.A	37	F026A4BD001.A	53	F026B2CA001	54	F026B2FB001
141	F02664GA006	37	F026A2CB006.A	37	F026A4BD006.A	53	F026B2CA006	54	F026B2FB006
141	F02664GA012	37	F026A2CB012.A	37	F026A4BD012.A	53	F026B2CA012	54	F026B2FB012
141	F02664GA018	37	F026A2CB018.A	37	F026A4BD018.A	53	F026B2CA018	54	F026B2FB018
141	F02664GA030	37	F026A2CB030.A	37	F026A4BD030.A	53	F026B2CA030	54	F026B2FB030
141	F02664GA033	37	F026A2CB033.A	37	F026A4BD033.A	53	F026B2CA033	54	F026B2FB033
141	F02664GB001	37	F026A2CD001.A	37	F026A4CA001.A	53	F026B2CB001	54	F026B2FD001
141	F02664GB006	37	F026A2CD006.A	37	F026A4CA006.A	53	F026B2CB006	54	F026B2FD006
141	F02664GB012	37	F026A2CD012.A	37	F026A4CA012.A	53	F026B2CB012	54	F026B2FD012
141	F02664GB018	37	F026A2CD018.A	37	F026A4CA018.A	53	F026B2CB018	54	F026B2FD018
141	F02664GB030	37	F026A2CD030.A	37	F026A4CA030.A	53	F026B2CB030	54	F026B2FD030
141	F02664GB033	37	F026A2CD033.A	37	F026A4CA033.A	53	F026B2CB033	54	F026B2FD033
141	F02664GD001	37	F026A3BA001	37	F026A4CB001.A	53	F026B2CD001	54	F026B2GA001
141	F02664GD006	37	F026A3BA006	37	F026A4CB006.A	53	F026B2CD006	54	F026B2GA006
141	F02664GD012	37	F026A3BA012	37	F026A4CB012.A	53	F026B2CD012	54	F026B2GA012
141	F02664GD018	37	F026A3BA018	37	F026A4CB018.A	53	F026B2CD018	54	F026B2GA018
141	F02664GD030	37	F026A3BA030	37	F026A4CB030.A	53	F026B2CD030	54	F026B2GA030
141	F02664GD033	37	F026A3BA033	37	F026A4CB033.A	53	F026B2CD033	54	F026B2GA033
141	F02664HA001	37	F026A3BB001	37	F026A4CD001.A	53	F026B2DA001	54	F026B2GB001
141	F02664HA006	37	F026A3BB006	37	F026A4CD006.A	53	F026B2DA006	54	F026B2GB006
141	F02664HA012	37	F026A3BB012	37	F026A4CD012.A	53	F026B2DA012	54	F026B2GB012
141	F02664HA018	37	F026A3BB018	37	F026A4CD018.A	53	F026B2DA018	54	F026B2GB018
141	F02664HA030	37	F026A3BB030	37	F026A4CD030.A	53	F026B2DA030	54	F026B2GB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
54	F026B2GB033	52	F026B3BD033	54	F026B3FA033	52	F026B4AB033	53	F026B4DD033
54	F026B2GD001	53	F026B3CA001	54	F026B3FB001	52	F026B4AD001	53	F026B4EA001
54	F026B2GD006	53	F026B3CA006	54	F026B3FB006	52	F026B4AD006	53	F026B4EA006
54	F026B2GD012	53	F026B3CA012	54	F026B3FB012	52	F026B4AD012	53	F026B4EA012
54	F026B2GD018	53	F026B3CA018	54	F026B3FB018	52	F026B4AD018	53	F026B4EA018
54	F026B2GD030	53	F026B3CA030	54	F026B3FB030	52	F026B4AD030	53	F026B4EA030
54	F026B2GD033	53	F026B3CA033	54	F026B3FB033	52	F026B4AD033	53	F026B4EA033
54	F026B2HA001	53	F026B3CB001	54	F026B3FD001	52	F026B4BA001	53	F026B4EB001
54	F026B2HA006	53	F026B3CB006	54	F026B3FD006	52	F026B4BA006	53	F026B4EB006
54	F026B2HA012	53	F026B3CB012	54	F026B3FD012	52	F026B4BA012	53	F026B4EB012
54	F026B2HA018	53	F026B3CB018	54	F026B3FD018	52	F026B4BA018	53	F026B4EB018
54	F026B2HA030	53	F026B3CB030	54	F026B3FD030	52	F026B4BA030	53	F026B4EB030
54	F026B2HA033	53	F026B3CB033	54	F026B3FD033	52	F026B4BA033	53	F026B4EB033
54	F026B2HB001	53	F026B3CD001	54	F026B3GA001	52	F026B4BB001	53	F026B4ED001
54	F026B2HB006	53	F026B3CD006	54	F026B3GA006	52	F026B4BB006	53	F026B4ED006
54	F026B2HB012	53	F026B3CD012	54	F026B3GA012	52	F026B4BB012	53	F026B4ED012
54	F026B2HB018	53	F026B3CD018	54	F026B3GA018	52	F026B4BB018	53	F026B4ED018
54	F026B2HB030	53	F026B3CD030	54	F026B3GA030	52	F026B4BB030	53	F026B4ED030
54	F026B2HB033	53	F026B3CD033	54	F026B3GA033	52	F026B4BB033	53	F026B4ED033
54	F026B2HD001	53	F026B3DA001	54	F026B3GB001	52	F026B4BD001	54	F026B4FA001
54	F026B2HD006	53	F026B3DA006	54	F026B3GB006	52	F026B4BD006	54	F026B4FA006
54	F026B2HD012	53	F026B3DA012	54	F026B3GB012	52	F026B4BD012	54	F026B4FA012
54	F026B2HD018	53	F026B3DA018	54	F026B3GB018	52	F026B4BD018	54	F026B4FA018
54	F026B2HD030	53	F026B3DA030	54	F026B3GB030	52	F026B4BD030	54	F026B4FA030
54	F026B2HD033	53	F026B3DA033	54	F026B3GB033	52	F026B4BD033	54	F026B4FA033
52	F026B3AA001	53	F026B3DB001	54	F026B3GD001	53	F026B4CA001	54	F026B4FB001
52	F026B3AA006	53	F026B3DB006	54	F026B3GD006	53	F026B4CA006	54	F026B4FB006
52	F026B3AA012	53	F026B3DB012	54	F026B3GD012	53	F026B4CA012	54	F026B4FB012
52	F026B3AA018	53	F026B3DB018	54	F026B3GD018	53	F026B4CA018	54	F026B4FB018
52	F026B3AA030	53	F026B3DB030	54	F026B3GD030	53	F026B4CA030	54	F026B4FB030
52	F026B3AA033	53	F026B3DB033	54	F026B3GD033	53	F026B4CA033	54	F026B4FB033
52	F026B3AB001	53	F026B3DD001	54	F026B3HA001	53	F026B4CB001	54	F026B4FD001
52	F026B3AB006	53	F026B3DD006	54	F026B3HA006	53	F026B4CB006	54	F026B4FD006
52	F026B3AB012	53	F026B3DD012	54	F026B3HA012	53	F026B4CB012	54	F026B4FD012
52	F026B3AB018	53	F026B3DD018	54	F026B3HA018	53	F026B4CB018	54	F026B4FD018
52	F026B3AB030	53	F026B3DD030	54	F026B3HA030	53	F026B4CB030	54	F026B4FD030
52	F026B3AB033	53	F026B3DD033	54	F026B3HA033	53	F026B4CB033	54	F026B4FD033
52	F026B3AD001	53	F026B3EA001	54	F026B3HB001	53	F026B4CD001	54	F026B4GA001
52	F026B3AD006	53	F026B3EA006	54	F026B3HB006	53	F026B4CD006	54	F026B4GA006
52	F026B3AD012	53	F026B3EA012	54	F026B3HB012	53	F026B4CD012	54	F026B4GA012
52	F026B3AD018	53	F026B3EA018	54	F026B3HB018	53	F026B4CD018	54	F026B4GA018
52	F026B3AD030	53	F026B3EA030	54	F026B3HB030	53	F026B4CD030	54	F026B4GA030
52	F026B3AD033	53	F026B3EA033	54	F026B3HB033	53	F026B4CD033	54	F026B4GA033
52	F026B3BA001	53	F026B3EB001	54	F026B3HD001	53	F026B4DA001	54	F026B4GB001
52	F026B3BA006	53	F026B3EB006	54	F026B3HD006	53	F026B4DA006	54	F026B4GB006
52	F026B3BA012	53	F026B3EB012	54	F026B3HD012	53	F026B4DA012	54	F026B4GB012
52	F026B3BA018	53	F026B3EB018	54	F026B3HD018	53	F026B4DA018	54	F026B4GB018
52	F026B3BA030	53	F026B3EB030	54	F026B3HD030	53	F026B4DA030	54	F026B4GB030
52	F026B3BA033	53	F026B3EB033	54	F026B3HD033	53	F026B4DA033	54	F026B4GB033
52	F026B3BB001	53	F026B3ED001	52	F026B4AA001	53	F026B4DB001	54	F026B4GD001
52	F026B3BB006	53	F026B3ED006	52	F026B4AA006	53	F026B4DB006	54	F026B4GD006
52	F026B3BB012	53	F026B3ED012	52	F026B4AA012	53	F026B4DB012	54	F026B4GD012
52	F026B3BB018	53	F026B3ED018	52	F026B4AA018	53	F026B4DB018	54	F026B4GD018
52	F026B3BB030	53	F026B3ED030	52	F026B4AA030	53	F026B4DB030	54	F026B4GD030
52	F026B3BB033	53	F026B3ED033	52	F026B4AA033	53	F026B4DB033	54	F026B4GD033
52	F026B3BD001	54	F026B3FA001	52	F026B4AB001	53	F026B4DD001	54	F026B4HA001
52	F026B3BD006	54	F026B3FA006	52	F026B4AB006	53	F026B4DD006	54	F026B4HA006
52	F026B3BD012	54	F026B3FA012	52	F026B4AB012	53	F026B4DD012	54	F026B4HA012
52	F026B3BD018	54	F026B3FA018	52	F026B4AB018	53	F026B4DD018	54	F026B4HA018
52	F026B3BD030	54	F026B3FA030	52	F026B4AB030	53	F026B4DD030	54	F026B4HA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
54	F026B4HA033	56	F026C2DB033	57	F026C2GD033	56	F026C3DA033	57	F026C3GB033
54	F026B4HB001	56	F026C2DD001	57	F026C2HA001	56	F026C3DB001	57	F026C3GD001
54	F026B4HB006	56	F026C2DD006	57	F026C2HA006	56	F026C3DB006	57	F026C3GD006
54	F026B4HB012	56	F026C2DD012	57	F026C2HA012	56	F026C3DB012	57	F026C3GD012
54	F026B4HB018	56	F026C2DD018	57	F026C2HA018	56	F026C3DB018	57	F026C3GD018
54	F026B4HB030	56	F026C2DD030	57	F026C2HA030	56	F026C3DB030	57	F026C3GD030
54	F026B4HB033	56	F026C2DD033	57	F026C2HA033	56	F026C3DB033	57	F026C3GD033
54	F026B4HD001	56	F026C2EA001	57	F026C2HB001	56	F026C3DD001	57	F026C3HA001
54	F026B4HD006	56	F026C2EA006	57	F026C2HB006	56	F026C3DD006	57	F026C3HA006
54	F026B4HD012	56	F026C2EA012	57	F026C2HB012	56	F026C3DD012	57	F026C3HA012
54	F026B4HD018	56	F026C2EA018	57	F026C2HB018	56	F026C3DD018	57	F026C3HA018
54	F026B4HD030	56	F026C2EA030	57	F026C2HB030	56	F026C3DD030	57	F026C3HA030
54	F026B4HD033	56	F026C2EA033	57	F026C2HB033	56	F026C3DD033	57	F026C3HA033
55	F026C2BA001	56	F026C2EB001	57	F026C2HD001	56	F026C3EA001	57	F026C3HB001
55	F026C2BA006	56	F026C2EB006	57	F026C2HD006	56	F026C3EA006	57	F026C3HB006
55	F026C2BA012	56	F026C2EB012	57	F026C2HD012	56	F026C3EA012	57	F026C3HB012
55	F026C2BA018	56	F026C2EB018	57	F026C2HD018	56	F026C3EA018	57	F026C3HB018
55	F026C2BA030	56	F026C2EB030	57	F026C2HD030	56	F026C3EA030	57	F026C3HB030
55	F026C2BA033	56	F026C2EB033	57	F026C2HD033	56	F026C3EA033	57	F026C3HB033
55	F026C2BB001	56	F026C2ED001	55	F026C3BA001	56	F026C3EB001	57	F026C3HD001
55	F026C2BB006	56	F026C2ED006	55	F026C3BA006	56	F026C3EB006	57	F026C3HD006
55	F026C2BB012	56	F026C2ED012	55	F026C3BA012	56	F026C3EB012	57	F026C3HD012
55	F026C2BB018	56	F026C2ED018	55	F026C3BA018	56	F026C3EB018	57	F026C3HD018
55	F026C2BB030	56	F026C2ED030	55	F026C3BA030	56	F026C3EB030	57	F026C3HD030
55	F026C2BB033	56	F026C2ED033	55	F026C3BA033	56	F026C3EB033	57	F026C3HD033
55	F026C2BD001	56	F026C2FA001	55	F026C3BB001	56	F026C3ED001	55	F026C4BA001
55	F026C2BD006	56	F026C2FA006	55	F026C3BB006	56	F026C3ED006	55	F026C4BA006
55	F026C2BD012	56	F026C2FA012	55	F026C3BB012	56	F026C3ED012	55	F026C4BA012
55	F026C2BD018	56	F026C2FA018	55	F026C3BB018	56	F026C3ED018	55	F026C4BA018
55	F026C2BD030	56	F026C2FA030	55	F026C3BB030	56	F026C3ED030	55	F026C4BA030
55	F026C2BD033	56	F026C2FA033	55	F026C3BB033	56	F026C3ED033	55	F026C4BA033
55	F026C2CA001	56	F026C2FB001	55	F026C3BD001	56	F026C3FA001	55	F026C4BB001
55	F026C2CA006	56	F026C2FB006	55	F026C3BD006	56	F026C3FA006	55	F026C4BB006
55	F026C2CA012	56	F026C2FB012	55	F026C3BD012	56	F026C3FA012	55	F026C4BB012
55	F026C2CA018	56	F026C2FB018	55	F026C3BD018	56	F026C3FA018	55	F026C4BB018
55	F026C2CA030	56	F026C2FB030	55	F026C3BD030	56	F026C3FA030	55	F026C4BB030
55	F026C2CA033	56	F026C2FB033	55	F026C3BD033	56	F026C3FA033	55	F026C4BB033
55	F026C2CB001	56	F026C2FD001	55	F026C3CA001	56	F026C3FB001	55	F026C4BD001
55	F026C2CB006	56	F026C2FD006	55	F026C3CA006	56	F026C3FB006	55	F026C4BD006
55	F026C2CB012	56	F026C2FD012	55	F026C3CA012	56	F026C3FB012	55	F026C4BD012
55	F026C2CB018	56	F026C2FD018	55	F026C3CA018	56	F026C3FB018	55	F026C4BD018
55	F026C2CB030	56	F026C2FD030	55	F026C3CA030	56	F026C3FB030	55	F026C4BD030
55	F026C2CB033	56	F026C2FD033	55	F026C3CA033	56	F026C3FB033	55	F026C4BD033
55	F026C2CD001	57	F026C2GA001	55	F026C3CB001	56	F026C3FD001	55	F026C4CA001
55	F026C2CD006	57	F026C2GA006	55	F026C3CB006	56	F026C3FD006	55	F026C4CA006
55	F026C2CD012	57	F026C2GA012	55	F026C3CB012	56	F026C3FD012	55	F026C4CA012
55	F026C2CD018	57	F026C2GA018	55	F026C3CB018	56	F026C3FD018	55	F026C4CA018
55	F026C2CD030	57	F026C2GA030	55	F026C3CB030	56	F026C3FD030	55	F026C4CA030
55	F026C2CD033	57	F026C2GA033	55	F026C3CB033	56	F026C3FD033	55	F026C4CA033
56	F026C2DA001	57	F026C2GB001	55	F026C3CD001	57	F026C3GA001	55	F026C4CB001
56	F026C2DA006	57	F026C2GB006	55	F026C3CD006	57	F026C3GA006	55	F026C4CB006
56	F026C2DA012	57	F026C2GB012	55	F026C3CD012	57	F026C3GA012	55	F026C4CB012
56	F026C2DA018	57	F026C2GB018	55	F026C3CD018	57	F026C3GA018	55	F026C4CB018
56	F026C2DA030	57	F026C2GB030	55	F026C3CD030	57	F026C3GA030	55	F026C4CB030
56	F026C2DA033	57	F026C2GB033	55	F026C3CD033	57	F026C3GA033	55	F026C4CB033
56	F026C2DB001	57	F026C2GD001	56	F026C3DA001	57	F026C3GB001	55	F026C4CD001
56	F026C2DB006	57	F026C2GD006	56	F026C3DA006	57	F026C3GB006	55	F026C4CD006
56	F026C2DB012	57	F026C2GD012	56	F026C3DA012	57	F026C3GB012	55	F026C4CD012
56	F026C2DB018	57	F026C2GD018	56	F026C3DA018	57	F026C3GB018	55	F026C4CD018
56	F026C2DB030	57	F026C2GD030	56	F026C3DA030	57	F026C3GB030	55	F026C4CD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
55	F026C4CD033	57	F026C4GA033	42	F026D2BB033	43	F026D2ED033	42	F026D3AA033
56	F026C4DA001	57	F026C4GB001	42	F026D2BD001	44	F026D2FA001	42	F026D3AB001
56	F026C4DA006	57	F026C4GB006	42	F026D2BD006	44	F026D2FA006	42	F026D3AB006
56	F026C4DA012	57	F026C4GB012	42	F026D2BD012	44	F026D2FA012	42	F026D3AB012
56	F026C4DA018	57	F026C4GB018	42	F026D2BD018	44	F026D2FA018	42	F026D3AB018
56	F026C4DA030	57	F026C4GB030	42	F026D2BD030	44	F026D2FA030	42	F026D3AB030
56	F026C4DA033	57	F026C4GB033	42	F026D2BD033	44	F026D2FA033	42	F026D3AB033
56	F026C4DB001	57	F026C4GD001	43	F026D2CA001	44	F026D2FB001	42	F026D3AD001
56	F026C4DB006	57	F026C4GD006	43	F026D2CA006	44	F026D2FB006	42	F026D3AD006
56	F026C4DB012	57	F026C4GD012	43	F026D2CA012	44	F026D2FB012	42	F026D3AD012
56	F026C4DB018	57	F026C4GD018	43	F026D2CA018	44	F026D2FB018	42	F026D3AD018
56	F026C4DB030	57	F026C4GD030	43	F026D2CA030	44	F026D2FB030	42	F026D3AD030
56	F026C4DB033	57	F026C4GD033	43	F026D2CA033	44	F026D2FB033	42	F026D3AD033
56	F026C4DD001	57	F026C4HA001	43	F026D2CB001	44	F026D2FD001	42	F026D3BA001
56	F026C4DD006	57	F026C4HA006	43	F026D2CB006	44	F026D2FD006	42	F026D3BA006
56	F026C4DD012	57	F026C4HA012	43	F026D2CB012	44	F026D2FD012	42	F026D3BA012
56	F026C4DD018	57	F026C4HA018	43	F026D2CB018	44	F026D2FD018	42	F026D3BA018
56	F026C4DD030	57	F026C4HA030	43	F026D2CB030	44	F026D2FD030	42	F026D3BA030
56	F026C4DD033	57	F026C4HA033	43	F026D2CB033	44	F026D2FD033	42	F026D3BA033
56	F026C4EA001	57	F026C4HB001	43	F026D2CD001	44	F026D2GA001	42	F026D3BB001
56	F026C4EA006	57	F026C4HB006	43	F026D2CD006	44	F026D2GA006	42	F026D3BB006
56	F026C4EA012	57	F026C4HB012	43	F026D2CD012	44	F026D2GA012	42	F026D3BB012
56	F026C4EA018	57	F026C4HB018	43	F026D2CD018	44	F026D2GA018	42	F026D3BB018
56	F026C4EA030	57	F026C4HB030	43	F026D2CD030	44	F026D2GA030	42	F026D3BB030
56	F026C4EA033	57	F026C4HB033	43	F026D2CD033	44	F026D2GA033	42	F026D3BB033
56	F026C4EB001	57	F026C4HD001	43	F026D2DA001	44	F026D2GB001	42	F026D3BD001
56	F026C4EB006	57	F026C4HD006	43	F026D2DA006	44	F026D2GB006	42	F026D3BD006
56	F026C4EB012	57	F026C4HD012	43	F026D2DA012	44	F026D2GB012	42	F026D3BD012
56	F026C4EB018	57	F026C4HD018	43	F026D2DA018	44	F026D2GB018	42	F026D3BD018
56	F026C4EB030	57	F026C4HD030	43	F026D2DA030	44	F026D2GB030	42	F026D3BD030
56	F026C4EB033	57	F026C4HD033	43	F026D2DA033	44	F026D2GB033	42	F026D3BD033
56	F026C4ED001	42	F026D2AA001	43	F026D2DB001	44	F026D2GD001	43	F026D3CA001
56	F026C4ED006	42	F026D2AA006	43	F026D2DB006	44	F026D2GD006	43	F026D3CA006
56	F026C4ED012	42	F026D2AA012	43	F026D2DB012	44	F026D2GD012	43	F026D3CA012
56	F026C4ED018	42	F026D2AA018	43	F026D2DB018	44	F026D2GD018	43	F026D3CA018
56	F026C4ED030	42	F026D2AA030	43	F026D2DB030	44	F026D2GD030	43	F026D3CA030
56	F026C4ED033	42	F026D2AA033	43	F026D2DB033	44	F026D2GD033	43	F026D3CA033
56	F026C4FA001	42	F026D2AB001	43	F026D2DD001	44	F026D2HA001	43	F026D3CB001
56	F026C4FA006	42	F026D2AB006	43	F026D2DD006	44	F026D2HA006	43	F026D3CB006
56	F026C4FA012	42	F026D2AB012	43	F026D2DD012	44	F026D2HA012	43	F026D3CB012
56	F026C4FA018	42	F026D2AB018	43	F026D2DD018	44	F026D2HA018	43	F026D3CB018
56	F026C4FA030	42	F026D2AB030	43	F026D2DD030	44	F026D2HA030	43	F026D3CB030
56	F026C4FA033	42	F026D2AB033	43	F026D2DD033	44	F026D2HA033	43	F026D3CB033
56	F026C4FB001	42	F026D2AD001	43	F026D2EA001	44	F026D2HB001	43	F026D3CD001
56	F026C4FB006	42	F026D2AD006	43	F026D2EA006	44	F026D2HB006	43	F026D3CD006
56	F026C4FB012	42	F026D2AD012	43	F026D2EA012	44	F026D2HB012	43	F026D3CD012
56	F026C4FB018	42	F026D2AD018	43	F026D2EA018	44	F026D2HB018	43	F026D3CD018
56	F026C4FB030	42	F026D2AD030	43	F026D2EA030	44	F026D2HB030	43	F026D3CD030
56	F026C4FB033	42	F026D2AD033	43	F026D2EA033	44	F026D2HB033	43	F026D3CD033
56	F026C4FD001	42	F026D2BA001	43	F026D2EB001	44	F026D2HD001	43	F026D3DA001
56	F026C4FD006	42	F026D2BA006	43	F026D2EB006	44	F026D2HD006	43	F026D3DA006
56	F026C4FD012	42	F026D2BA012	43	F026D2EB012	44	F026D2HD012	43	F026D3DA012
56	F026C4FD018	42	F026D2BA018	43	F026D2EB018	44	F026D2HD018	43	F026D3DA018
56	F026C4FD030	42	F026D2BA030	43	F026D2EB030	44	F026D2HD030	43	F026D3DA030
56	F026C4FD033	42	F026D2BA033	43	F026D2EB033	44	F026D2HD033	43	F026D3DA033
57	F026C4GA001	42	F026D2BB001	43	F026D2ED001	42	F026D3AA001	43	F026D3DB001
57	F026C4GA006	42	F026D2BB006	43	F026D2ED006	42	F026D3AA006	43	F026D3DB006
57	F026C4GA012	42	F026D2BB012	43	F026D2ED012	42	F026D3AA012	43	F026D3DB012
57	F026C4GA018	42	F026D2BB018	43	F026D2ED018	42	F026D3AA018	43	F026D3DB018
57	F026C4GA030	42	F026D2BB030	43	F026D2ED030	42	F026D3AA030	43	F026D3DB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
43	F026D3DB033	44	F026D3GD033	43	F026D4CA033	44	F026D4FB033	45	F026E2BD033
43	F026D3DD001	44	F026D3HA001	43	F026D4CB001	44	F026D4FD001	45	F026E2CA001
43	F026D3DD006	44	F026D3HA006	43	F026D4CB006	44	F026D4FD006	45	F026E2CA006
43	F026D3DD012	44	F026D3HA012	43	F026D4CB012	44	F026D4FD012	45	F026E2CA012
43	F026D3DD018	44	F026D3HA018	43	F026D4CB018	44	F026D4FD018	45	F026E2CA018
43	F026D3DD030	44	F026D3HA030	43	F026D4CB030	44	F026D4FD030	45	F026E2CA030
43	F026D3DD033	44	F026D3HA033	43	F026D4CB033	44	F026D4FD033	45	F026E2CA033
43	F026D3EA001	44	F026D3HB001	43	F026D4CD001	44	F026D4GA001	45	F026E2CB001
43	F026D3EA006	44	F026D3HB006	43	F026D4CD006	44	F026D4GA006	45	F026E2CB006
43	F026D3EA012	44	F026D3HB012	43	F026D4CD012	44	F026D4GA012	45	F026E2CB012
43	F026D3EA018	44	F026D3HB018	43	F026D4CD018	44	F026D4GA018	45	F026E2CB018
43	F026D3EA030	44	F026D3HB030	43	F026D4CD030	44	F026D4GA030	45	F026E2CB030
43	F026D3EA033	44	F026D3HB033	43	F026D4CD033	44	F026D4GA033	45	F026E2CB033
43	F026D3EB001	44	F026D3HD001	43	F026D4DA001	44	F026D4GB001	45	F026E2CD001
43	F026D3EB006	44	F026D3HD006	43	F026D4DA006	44	F026D4GB006	45	F026E2CD006
43	F026D3EB012	44	F026D3HD012	43	F026D4DA012	44	F026D4GB012	45	F026E2CD012
43	F026D3EB018	44	F026D3HD018	43	F026D4DA018	44	F026D4GB018	45	F026E2CD018
43	F026D3EB030	44	F026D3HD030	43	F026D4DA030	44	F026D4GB030	45	F026E2CD030
43	F026D3EB033	44	F026D3HD033	43	F026D4DA033	44	F026D4GB033	45	F026E2CD033
43	F026D3ED001	42	F026D4AA001	43	F026D4DB001	44	F026D4GD001	46	F026E2DA001
43	F026D3ED006	42	F026D4AA006	43	F026D4DB006	44	F026D4GD006	46	F026E2DA006
43	F026D3ED012	42	F026D4AA012	43	F026D4DB012	44	F026D4GD012	46	F026E2DA012
43	F026D3ED018	42	F026D4AA018	43	F026D4DB018	44	F026D4GD018	46	F026E2DA018
43	F026D3ED030	42	F026D4AA030	43	F026D4DB030	44	F026D4GD030	46	F026E2DA030
43	F026D3ED033	42	F026D4AA033	43	F026D4DB033	44	F026D4GD033	46	F026E2DA033
44	F026D3FA001	42	F026D4AB001	43	F026D4DD001	44	F026D4HA001	46	F026E2DB001
44	F026D3FA006	42	F026D4AB006	43	F026D4DD006	44	F026D4HA006	46	F026E2DB006
44	F026D3FA012	42	F026D4AB012	43	F026D4DD012	44	F026D4HA012	46	F026E2DB012
44	F026D3FA018	42	F026D4AB018	43	F026D4DD018	44	F026D4HA018	46	F026E2DB018
44	F026D3FA030	42	F026D4AB030	43	F026D4DD030	44	F026D4HA030	46	F026E2DB030
44	F026D3FA033	42	F026D4AB033	43	F026D4DD033	44	F026D4HA033	46	F026E2DB033
44	F026D3FB001	42	F026D4AD001	43	F026D4EA001	44	F026D4HB001	46	F026E2DD001
44	F026D3FB006	42	F026D4AD006	43	F026D4EA006	44	F026D4HB006	46	F026E2DD006
44	F026D3FB012	42	F026D4AD012	43	F026D4EA012	44	F026D4HB012	46	F026E2DD012
44	F026D3FB018	42	F026D4AD018	43	F026D4EA018	44	F026D4HB018	46	F026E2DD018
44	F026D3FB030	42	F026D4AD030	43	F026D4EA030	44	F026D4HB030	46	F026E2DD030
44	F026D3FB033	42	F026D4AD033	43	F026D4EA033	44	F026D4HB033	46	F026E2DD033
44	F026D3FD001	42	F026D4BA001	43	F026D4EB001	44	F026D4HD001	46	F026E2EA001
44	F026D3FD006	42	F026D4BA006	43	F026D4EB006	44	F026D4HD006	46	F026E2EA006
44	F026D3FD012	42	F026D4BA012	43	F026D4EB012	44	F026D4HD012	46	F026E2EA012
44	F026D3FD018	42	F026D4BA018	43	F026D4EB018	44	F026D4HD018	46	F026E2EA018
44	F026D3FD030	42	F026D4BA030	43	F026D4EB030	44	F026D4HD030	46	F026E2EA030
44	F026D3FD033	42	F026D4BA033	43	F026D4EB033	44	F026D4HD033	46	F026E2EA033
44	F026D3GA001	42	F026D4BB001	43	F026D4ED001	45	F026E2BA001	46	F026E2EB001
44	F026D3GA006	42	F026D4BB006	43	F026D4ED006	45	F026E2BA006	46	F026E2EB006
44	F026D3GA012	42	F026D4BB012	43	F026D4ED012	45	F026E2BA012	46	F026E2EB012
44	F026D3GA018	42	F026D4BB018	43	F026D4ED018	45	F026E2BA018	46	F026E2EB018
44	F026D3GA030	42	F026D4BB030	43	F026D4ED030	45	F026E2BA030	46	F026E2EB030
44	F026D3GA033	42	F026D4BB033	43	F026D4ED033	45	F026E2BA033	46	F026E2EB033
44	F026D3GB001	42	F026D4BD001	44	F026D4FA001	45	F026E2BB001	46	F026E2ED001
44	F026D3GB006	42	F026D4BD006	44	F026D4FA006	45	F026E2BB006	46	F026E2ED006
44	F026D3GB012	42	F026D4BD012	44	F026D4FA012	45	F026E2BB012	46	F026E2ED012
44	F026D3GB018	42	F026D4BD018	44	F026D4FA018	45	F026E2BB018	46	F026E2ED018
44	F026D3GB030	42	F026D4BD030	44	F026D4FA030	45	F026E2BB030	46	F026E2ED030
44	F026D3GB033	42	F026D4BD033	44	F026D4FA033	45	F026E2BB033	46	F026E2ED033
44	F026D3GD001	43	F026D4CA001	44	F026D4FB001	45	F026E2BD001	46	F026E2FA001
44	F026D3GD006	43	F026D4CA006	44	F026D4FB006	45	F026E2BD006	46	F026E2FA006
44	F026D3GD012	43	F026D4CA012	44	F026D4FB012	45	F026E2BD012	46	F026E2FA012
44	F026D3GD018	43	F026D4CA018	44	F026D4FB018	45	F026E2BD018	46	F026E2FA018
44	F026D3GD030	43	F026D4CA030	44	F026D4FB030	45	F026E2BD030	46	F026E2FA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
46	F026E2FA033	45	F026E3BB033	46	F026E3ED033	45	F026E4BA033	46	F026E4EB033
46	F026E2FB001	45	F026E3BD001	46	F026E3FA001	45	F026E4BB001	46	F026E4ED001
46	F026E2FB006	45	F026E3BD006	46	F026E3FA006	45	F026E4BB006	46	F026E4ED006
46	F026E2FB012	45	F026E3BD012	46	F026E3FA012	45	F026E4BB012	46	F026E4ED012
46	F026E2FB018	45	F026E3BD018	46	F026E3FA018	45	F026E4BB018	46	F026E4ED018
46	F026E2FB030	45	F026E3BD030	46	F026E3FA030	45	F026E4BB030	46	F026E4ED030
46	F026E2FB033	45	F026E3BD033	46	F026E3FA033	45	F026E4BB033	46	F026E4ED033
46	F026E2FD001	45	F026E3CA001	46	F026E3FB001	45	F026E4BD001	46	F026E4FA001
46	F026E2FD006	45	F026E3CA006	46	F026E3FB006	45	F026E4BD006	46	F026E4FA006
46	F026E2FD012	45	F026E3CA012	46	F026E3FB012	45	F026E4BD012	46	F026E4FA012
46	F026E2FD018	45	F026E3CA018	46	F026E3FB018	45	F026E4BD018	46	F026E4FA018
46	F026E2FD030	45	F026E3CA030	46	F026E3FB030	45	F026E4BD030	46	F026E4FA030
46	F026E2FD033	45	F026E3CA033	46	F026E3FB033	45	F026E4BD033	46	F026E4FA033
47	F026E2GA001	45	F026E3CB001	46	F026E3FD001	45	F026E4CA001	46	F026E4FB001
47	F026E2GA006	45	F026E3CB006	46	F026E3FD006	45	F026E4CA006	46	F026E4FB006
47	F026E2GA012	45	F026E3CB012	46	F026E3FD012	45	F026E4CA012	46	F026E4FB012
47	F026E2GA018	45	F026E3CB018	46	F026E3FD018	45	F026E4CA018	46	F026E4FB018
47	F026E2GA030	45	F026E3CB030	46	F026E3FD030	45	F026E4CA030	46	F026E4FB030
47	F026E2GA033	45	F026E3CB033	46	F026E3FD033	45	F026E4CA033	46	F026E4FB033
47	F026E2GB001	45	F026E3CD001	47	F026E3GA001	45	F026E4CB001	46	F026E4FD001
47	F026E2GB006	45	F026E3CD006	47	F026E3GA006	45	F026E4CB006	46	F026E4FD006
47	F026E2GB012	45	F026E3CD012	47	F026E3GA012	45	F026E4CB012	46	F026E4FD012
47	F026E2GB018	45	F026E3CD018	47	F026E3GA018	45	F026E4CB018	46	F026E4FD018
47	F026E2GB030	45	F026E3CD030	47	F026E3GA030	45	F026E4CB030	46	F026E4FD030
47	F026E2GB033	45	F026E3CD033	47	F026E3GA033	45	F026E4CB033	46	F026E4FD033
47	F026E2GD001	46	F026E3DA001	47	F026E3GB001	45	F026E4CD001	47	F026E4GA001
47	F026E2GD006	46	F026E3DA006	47	F026E3GB006	45	F026E4CD006	47	F026E4GA006
47	F026E2GD012	46	F026E3DA012	47	F026E3GB012	45	F026E4CD012	47	F026E4GA012
47	F026E2GD018	46	F026E3DA018	47	F026E3GB018	45	F026E4CD018	47	F026E4GA018
47	F026E2GD030	46	F026E3DA030	47	F026E3GB030	45	F026E4CD030	47	F026E4GA030
47	F026E2GD033	46	F026E3DA033	47	F026E3GB033	45	F026E4CD033	47	F026E4GA033
47	F026E2HA001	46	F026E3DB001	47	F026E3GD001	46	F026E4DA001	47	F026E4GB001
47	F026E2HA006	46	F026E3DB006	47	F026E3GD006	46	F026E4DA006	47	F026E4GB006
47	F026E2HA012	46	F026E3DB012	47	F026E3GD012	46	F026E4DA012	47	F026E4GB012
47	F026E2HA018	46	F026E3DB018	47	F026E3GD018	46	F026E4DA018	47	F026E4GB018
47	F026E2HA030	46	F026E3DB030	47	F026E3GD030	46	F026E4DA030	47	F026E4GB030
47	F026E2HA033	46	F026E3DB033	47	F026E3GD033	46	F026E4DA033	47	F026E4GB033
47	F026E2HB001	46	F026E3DD001	47	F026E3HA001	46	F026E4DB001	47	F026E4GD001
47	F026E2HB006	46	F026E3DD006	47	F026E3HA006	46	F026E4DB006	47	F026E4GD006
47	F026E2HB012	46	F026E3DD012	47	F026E3HA012	46	F026E4DB012	47	F026E4GD012
47	F026E2HB018	46	F026E3DD018	47	F026E3HA018	46	F026E4DB018	47	F026E4GD018
47	F026E2HB030	46	F026E3DD030	47	F026E3HA030	46	F026E4DB030	47	F026E4GD030
47	F026E2HB033	46	F026E3DD033	47	F026E3HA033	46	F026E4DB033	47	F026E4GD033
47	F026E2HD001	46	F026E3EA001	47	F026E3HB001	46	F026E4DD001	47	F026E4HA001
47	F026E2HD006	46	F026E3EA006	47	F026E3HB006	46	F026E4DD006	47	F026E4HA006
47	F026E2HD012	46	F026E3EA012	47	F026E3HB012	46	F026E4DD012	47	F026E4HA012
47	F026E2HD018	46	F026E3EA018	47	F026E3HB018	46	F026E4DD018	47	F026E4HA018
47	F026E2HD030	46	F026E3EA030	47	F026E3HB030	46	F026E4DD030	47	F026E4HA030
47	F026E2HD033	46	F026E3EA033	47	F026E3HB033	46	F026E4DD033	47	F026E4HA033
45	F026E3BA001	46	F026E3EB001	47	F026E3HD001	46	F026E4EA001	47	F026E4HB001
45	F026E3BA006	46	F026E3EB006	47	F026E3HD006	46	F026E4EA006	47	F026E4HB006
45	F026E3BA012	46	F026E3EB012	47	F026E3HD012	46	F026E4EA012	47	F026E4HB012
45	F026E3BA018	46	F026E3EB018	47	F026E3HD018	46	F026E4EA018	47	F026E4HB018
45	F026E3BA030	46	F026E3EB030	47	F026E3HD030	46	F026E4EA030	47	F026E4HB030
45	F026E3BA033	46	F026E3EB033	47	F026E3HD033	46	F026E4EA033	47	F026E4HB033
45	F026E3BB001	46	F026E3ED001	45	F026E4BA001	46	F026E4EB001	47	F026E4HD001
45	F026E3BB006	46	F026E3ED006	45	F026E4BA006	46	F026E4EB006	47	F026E4HD006
45	F026E3BB012	46	F026E3ED012	45	F026E4BA012	46	F026E4EB012	47	F026E4HD012
45	F026E3BB018	46	F026E3ED018	45	F026E4BA018	46	F026E4EB018	47	F026E4HD018
45	F026E3BB030	46	F026E3ED030	45	F026E4BA030	46	F026E4EB030	47	F026E4HD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
47	F026E4HD033	67	F026F3CA033	86	F026G2AB033	87	F026G2DD033	88	F026G2HA033
67	F026F2BA001.A	67	F026F3CB001	86	F026G2AD001	87	F026G2EA001	88	F026G2HB001
67	F026F2BA006.A	67	F026F3CB006	86	F026G2AD006	87	F026G2EA006	88	F026G2HB006
67	F026F2BA012.A	67	F026F3CB012	86	F026G2AD012	87	F026G2EA012	88	F026G2HB012
67	F026F2BA018.A	67	F026F3CB018	86	F026G2AD018	87	F026G2EA018	88	F026G2HB018
67	F026F2BA030.A	67	F026F3CB030	86	F026G2AD030	87	F026G2EA030	88	F026G2HB030
67	F026F2BA033.A	67	F026F3CB033	86	F026G2AD033	87	F026G2EA033	88	F026G2HB033
67	F026F2BB001.A	67	F026F3CD001	86	F026G2BA001	87	F026G2EB001	88	F026G2HD001
67	F026F2BB006.A	67	F026F3CD006	86	F026G2BA006	87	F026G2EB006	88	F026G2HD006
67	F026F2BB012.A	67	F026F3CD012	86	F026G2BA012	87	F026G2EB012	88	F026G2HD012
67	F026F2BB018.A	67	F026F3CD018	86	F026G2BA018	87	F026G2EB018	88	F026G2HD018
67	F026F2BB030.A	67	F026F3CD030	86	F026G2BA030	87	F026G2EB030	88	F026G2HD030
67	F026F2BB033.A	67	F026F3CD033	86	F026G2BA033	87	F026G2EB033	88	F026G2HD033
67	F026F2BD001.A	67	F026F4BA001.A	86	F026G2BB001	87	F026G2ED001	86	F026G3AA001
67	F026F2BD006.A	67	F026F4BA006.A	86	F026G2BB006	87	F026G2ED006	86	F026G3AA006
67	F026F2BD012.A	67	F026F4BA012.A	86	F026G2BB012	87	F026G2ED012	86	F026G3AA012
67	F026F2BD018.A	67	F026F4BA018.A	86	F026G2BB018	87	F026G2ED018	86	F026G3AA018
67	F026F2BD030.A	67	F026F4BA030.A	86	F026G2BB030	87	F026G2ED030	86	F026G3AA030
67	F026F2BD033.A	67	F026F4BA033.A	86	F026G2BB033	87	F026G2ED033	86	F026G3AA033
67	F026F2CA001.A	67	F026F4BB001.A	86	F026G2BD001	88	F026G2FA001	86	F026G3AB001
67	F026F2CA006.A	67	F026F4BB006.A	86	F026G2BD006	88	F026G2FA006	86	F026G3AB006
67	F026F2CA012.A	67	F026F4BB012.A	86	F026G2BD012	88	F026G2FA012	86	F026G3AB012
67	F026F2CA018.A	67	F026F4BB018.A	86	F026G2BD018	88	F026G2FA018	86	F026G3AB018
67	F026F2CA030.A	67	F026F4BB030.A	86	F026G2BD030	88	F026G2FA030	86	F026G3AB030
67	F026F2CA033.A	67	F026F4BB033.A	86	F026G2BD033	88	F026G2FA033	86	F026G3AB033
67	F026F2CB001.A	67	F026F4BD001.A	87	F026G2CA001	88	F026G2FB001	86	F026G3AD001
67	F026F2CB006.A	67	F026F4BD006.A	87	F026G2CA006	88	F026G2FB006	86	F026G3AD006
67	F026F2CB012.A	67	F026F4BD012.A	87	F026G2CA012	88	F026G2FB012	86	F026G3AD012
67	F026F2CB018.A	67	F026F4BD018.A	87	F026G2CA018	88	F026G2FB018	86	F026G3AD018
67	F026F2CB030.A	67	F026F4BD030.A	87	F026G2CA030	88	F026G2FB030	86	F026G3AD030
67	F026F2CB033.A	67	F026F4BD033.A	87	F026G2CA033	88	F026G2FB033	86	F026G3AD033
67	F026F2CD001.A	67	F026F4CA001.A	87	F026G2CB001	88	F026G2FD001	86	F026G3BA001
67	F026F2CD006.A	67	F026F4CA006.A	87	F026G2CB006	88	F026G2FD006	86	F026G3BA006
67	F026F2CD012.A	67	F026F4CA012.A	87	F026G2CB012	88	F026G2FD012	86	F026G3BA012
67	F026F2CD018.A	67	F026F4CA018.A	87	F026G2CB018	88	F026G2FD018	86	F026G3BA018
67	F026F2CD030.A	67	F026F4CA030.A	87	F026G2CB030	88	F026G2FD030	86	F026G3BA030
67	F026F2CD033.A	67	F026F4CA033.A	87	F026G2CB033	88	F026G2FD033	86	F026G3BA033
67	F026F3BA001	67	F026F4CB001.A	87	F026G2CD001	88	F026G2GA001	86	F026G3BB001
67	F026F3BA006	67	F026F4CB006.A	87	F026G2CD006	88	F026G2GA006	86	F026G3BB006
67	F026F3BA012	67	F026F4CB012.A	87	F026G2CD012	88	F026G2GA012	86	F026G3BB012
67	F026F3BA018	67	F026F4CB018.A	87	F026G2CD018	88	F026G2GA018	86	F026G3BB018
67	F026F3BA030	67	F026F4CB030.A	87	F026G2CD030	88	F026G2GA030	86	F026G3BB030
67	F026F3BA033	67	F026F4CB033.A	87	F026G2CD033	88	F026G2GA033	86	F026G3BB033
67	F026F3BB001	67	F026F4CD001.A	87	F026G2DA001	88	F026G2GB001	86	F026G3BD001
67	F026F3BB006	67	F026F4CD006.A	87	F026G2DA006	88	F026G2GB006	86	F026G3BD006
67	F026F3BB012	67	F026F4CD012.A	87	F026G2DA012	88	F026G2GB012	86	F026G3BD012
67	F026F3BB018	67	F026F4CD018.A	87	F026G2DA018	88	F026G2GB018	86	F026G3BD018
67	F026F3BB030	67	F026F4CD030.A	87	F026G2DA030	88	F026G2GB030	86	F026G3BD030
67	F026F3BB033	67	F026F4CD033.A	87	F026G2DA033	88	F026G2GB033	86	F026G3BD033
67	F026F3BD001	86	F026G2AA001	87	F026G2DB001	88	F026G2GD001	87	F026G3CA001
67	F026F3BD006	86	F026G2AA006	87	F026G2DB006	88	F026G2GD006	87	F026G3CA006
67	F026F3BD012	86	F026G2AA012	87	F026G2DB012	88	F026G2GD012	87	F026G3CA012
67	F026F3BD018	86	F026G2AA018	87	F026G2DB018	88	F026G2GD018	87	F026G3CA018
67	F026F3BD030	86	F026G2AA030	87	F026G2DB030	88	F026G2GD030	87	F026G3CA030
67	F026F3BD033	86	F026G2AA033	87	F026G2DB033	88	F026G2GD033	87	F026G3CA033
67	F026F3CA001	86	F026G2AB001	87	F026G2DD001	88	F026G2HA001	87	F026G3CB001
67	F026F3CA006	86	F026G2AB006	87	F026G2DD006	88	F026G2HA006	87	F026G3CB006
67	F026F3CA012	86	F026G2AB012	87	F026G2DD012	88	F026G2HA012	87	F026G3CB012
67	F026F3CA018	86	F026G2AB018	87	F026G2DD018	88	F026G2HA018	87	F026G3CB018
67	F026F3CA030	86	F026G2AB030	87	F026G2DD030	88	F026G2HA030	87	F026G3CB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
87	F026G3CB033	88	F026G3FD033	86	F026G4BA033	87	F026G4EB033	88	F026G4HD033
87	F026G3CD001	88	F026G3GA001	86	F026G4BB001	87	F026G4ED001	89	F026H2BA001
87	F026G3CD006	88	F026G3GA006	86	F026G4BB006	87	F026G4ED006	89	F026H2BA006
87	F026G3CD012	88	F026G3GA012	86	F026G4BB012	87	F026G4ED012	89	F026H2BA012
87	F026G3CD018	88	F026G3GA018	86	F026G4BB018	87	F026G4ED018	89	F026H2BA018
87	F026G3CD030	88	F026G3GA030	86	F026G4BB030	87	F026G4ED030	89	F026H2BA030
87	F026G3CD033	88	F026G3GA033	86	F026G4BB033	87	F026G4ED033	89	F026H2BA033
87	F026G3DA001	88	F026G3GB001	86	F026G4BD001	88	F026G4FA001	89	F026H2BB001
87	F026G3DA006	88	F026G3GB006	86	F026G4BD006	88	F026G4FA006	89	F026H2BB006
87	F026G3DA012	88	F026G3GB012	86	F026G4BD012	88	F026G4FA012	89	F026H2BB012
87	F026G3DA018	88	F026G3GB018	86	F026G4BD018	88	F026G4FA018	89	F026H2BB018
87	F026G3DA030	88	F026G3GB030	86	F026G4BD030	88	F026G4FA030	89	F026H2BB030
87	F026G3DA033	88	F026G3GB033	86	F026G4BD033	88	F026G4FA033	89	F026H2BB033
87	F026G3DB001	88	F026G3GD001	87	F026G4CA001	88	F026G4FB001	89	F026H2BD001
87	F026G3DB006	88	F026G3GD006	87	F026G4CA006	88	F026G4FB006	89	F026H2BD006
87	F026G3DB012	88	F026G3GD012	87	F026G4CA012	88	F026G4FB012	89	F026H2BD012
87	F026G3DB018	88	F026G3GD018	87	F026G4CA018	88	F026G4FB018	89	F026H2BD018
87	F026G3DB030	88	F026G3GD030	87	F026G4CA030	88	F026G4FB030	89	F026H2BD030
87	F026G3DB033	88	F026G3GD033	87	F026G4CA033	88	F026G4FB033	89	F026H2BD033
87	F026G3DD001	88	F026G3HA001	87	F026G4CB001	88	F026G4FD001	89	F026H2CA001
87	F026G3DD006	88	F026G3HA006	87	F026G4CB006	88	F026G4FD006	89	F026H2CA006
87	F026G3DD012	88	F026G3HA012	87	F026G4CB012	88	F026G4FD012	89	F026H2CA012
87	F026G3DD018	88	F026G3HA018	87	F026G4CB018	88	F026G4FD018	89	F026H2CA018
87	F026G3DD030	88	F026G3HA030	87	F026G4CB030	88	F026G4FD030	89	F026H2CA030
87	F026G3DD033	88	F026G3HA033	87	F026G4CB033	88	F026G4FD033	89	F026H2CA033
87	F026G3EA001	88	F026G3HB001	87	F026G4CD001	88	F026G4GA001	89	F026H2CB001
87	F026G3EA006	88	F026G3HB006	87	F026G4CD006	88	F026G4GA006	89	F026H2CB006
87	F026G3EA012	88	F026G3HB012	87	F026G4CD012	88	F026G4GA012	89	F026H2CB012
87	F026G3EA018	88	F026G3HB018	87	F026G4CD018	88	F026G4GA018	89	F026H2CB018
87	F026G3EA030	88	F026G3HB030	87	F026G4CD030	88	F026G4GA030	89	F026H2CB030
87	F026G3EA033	88	F026G3HB033	87	F026G4CD033	88	F026G4GA033	89	F026H2CB033
87	F026G3EB001	88	F026G3HD001	87	F026G4DA001	88	F026G4GB001	89	F026H2CD001
87	F026G3EB006	88	F026G3HD006	87	F026G4DA006	88	F026G4GB006	89	F026H2CD006
87	F026G3EB012	88	F026G3HD012	87	F026G4DA012	88	F026G4GB012	89	F026H2CD012
87	F026G3EB018	88	F026G3HD018	87	F026G4DA018	88	F026G4GB018	89	F026H2CD018
87	F026G3EB030	88	F026G3HD030	87	F026G4DA030	88	F026G4GB030	89	F026H2CD030
87	F026G3EB033	88	F026G3HD033	87	F026G4DA033	88	F026G4GB033	89	F026H2CD033
87	F026G3ED001	86	F026G4AA001	87	F026G4DB001	88	F026G4GD001	90	F026H2DA001
87	F026G3ED006	86	F026G4AA006	87	F026G4DB006	88	F026G4GD006	90	F026H2DA006
87	F026G3ED012	86	F026G4AA012	87	F026G4DB012	88	F026G4GD012	90	F026H2DA012
87	F026G3ED018	86	F026G4AA018	87	F026G4DB018	88	F026G4GD018	90	F026H2DA018
87	F026G3ED030	86	F026G4AA030	87	F026G4DB030	88	F026G4GD030	90	F026H2DA030
87	F026G3ED033	86	F026G4AA033	87	F026G4DB033	88	F026G4GD033	90	F026H2DA033
88	F026G3FA001	86	F026G4AB001	87	F026G4DD001	88	F026G4HA001	90	F026H2DB001
88	F026G3FA006	86	F026G4AB006	87	F026G4DD006	88	F026G4HA006	90	F026H2DB006
88	F026G3FA012	86	F026G4AB012	87	F026G4DD012	88	F026G4HA012	90	F026H2DB012
88	F026G3FA018	86	F026G4AB018	87	F026G4DD018	88	F026G4HA018	90	F026H2DB018
88	F026G3FA030	86	F026G4AB030	87	F026G4DD030	88	F026G4HA030	90	F026H2DB030
88	F026G3FA033	86	F026G4AB033	87	F026G4DD033	88	F026G4HA033	90	F026H2DB033
88	F026G3FB001	86	F026G4AD001	87	F026G4EA001	88	F026G4HB001	90	F026H2DD001
88	F026G3FB006	86	F026G4AD006	87	F026G4EA006	88	F026G4HB006	90	F026H2DD006
88	F026G3FB012	86	F026G4AD012	87	F026G4EA012	88	F026G4HB012	90	F026H2DD012
88	F026G3FB018	86	F026G4AD018	87	F026G4EA018	88	F026G4HB018	90	F026H2DD018
88	F026G3FB030	86	F026G4AD030	87	F026G4EA030	88	F026G4HB030	90	F026H2DD030
88	F026G3FB033	86	F026G4AD033	87	F026G4EA033	88	F026G4HB033	90	F026H2DD033
88	F026G3FD001	86	F026G4BA001	87	F026G4EB001	88	F026G4HD001	90	F026H2EA001
88	F026G3FD006	86	F026G4BA006	87	F026G4EB006	88	F026G4HD006	90	F026H2EA006
88	F026G3FD012	86	F026G4BA012	87	F026G4EB012	88	F026G4HD012	90	F026H2EA012
88	F026G3FD018	86	F026G4BA018	87	F026G4EB018	88	F026G4HD018	90	F026H2EA018
88	F026G3FD030	86	F026G4BA030	87	F026G4EB030	88	F026G4HD030	90	F026H2EA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
90	F026H2EA033	91	F026H2HB033	90	F026H3DD033	91	F026H3HA033	90	F026H4DB033
90	F026H2EB001	91	F026H2HD001	90	F026H3EA001	91	F026H3HB001	90	F026H4DD001
90	F026H2EB006	91	F026H2HD006	90	F026H3EA006	91	F026H3HB006	90	F026H4DD006
90	F026H2EB012	91	F026H2HD012	90	F026H3EA012	91	F026H3HB012	90	F026H4DD012
90	F026H2EB018	91	F026H2HD018	90	F026H3EA018	91	F026H3HB018	90	F026H4DD018
90	F026H2EB030	91	F026H2HD030	90	F026H3EA030	91	F026H3HB030	90	F026H4DD030
90	F026H2EB033	91	F026H2HD033	90	F026H3EA033	91	F026H3HB033	90	F026H4DD033
90	F026H2ED001	89	F026H3BA001	90	F026H3EB001	91	F026H3HD001	90	F026H4EA001
90	F026H2ED006	89	F026H3BA006	90	F026H3EB006	91	F026H3HD006	90	F026H4EA006
90	F026H2ED012	89	F026H3BA012	90	F026H3EB012	91	F026H3HD012	90	F026H4EA012
90	F026H2ED018	89	F026H3BA018	90	F026H3EB018	91	F026H3HD018	90	F026H4EA018
90	F026H2ED030	89	F026H3BA030	90	F026H3EB030	91	F026H3HD030	90	F026H4EA030
90	F026H2ED033	89	F026H3BA033	90	F026H3EB033	91	F026H3HD033	90	F026H4EA033
90	F026H2FA001	89	F026H3BB001	90	F026H3ED001	89	F026H4BA001	90	F026H4EB001
90	F026H2FA006	89	F026H3BB006	90	F026H3ED006	89	F026H4BA006	90	F026H4EB006
90	F026H2FA012	89	F026H3BB012	90	F026H3ED012	89	F026H4BA012	90	F026H4EB012
90	F026H2FA018	89	F026H3BB018	90	F026H3ED018	89	F026H4BA018	90	F026H4EB018
90	F026H2FA030	89	F026H3BB030	90	F026H3ED030	89	F026H4BA030	90	F026H4EB030
90	F026H2FA033	89	F026H3BB033	90	F026H3ED033	89	F026H4BA033	90	F026H4EB033
90	F026H2FB001	89	F026H3BD001	90	F026H3FA001	89	F026H4BB001	90	F026H4ED001
90	F026H2FB006	89	F026H3BD006	90	F026H3FA006	89	F026H4BB006	90	F026H4ED006
90	F026H2FB012	89	F026H3BD012	90	F026H3FA012	89	F026H4BB012	90	F026H4ED012
90	F026H2FB018	89	F026H3BD018	90	F026H3FA018	89	F026H4BB018	90	F026H4ED018
90	F026H2FB030	89	F026H3BD030	90	F026H3FA030	89	F026H4BB030	90	F026H4ED030
90	F026H2FB033	89	F026H3BD033	90	F026H3FA033	89	F026H4BB033	90	F026H4ED033
90	F026H2FD001	89	F026H3CA001	90	F026H3FB001	89	F026H4BD001	90	F026H4FA001
90	F026H2FD006	89	F026H3CA006	90	F026H3FB006	89	F026H4BD006	90	F026H4FA006
90	F026H2FD012	89	F026H3CA012	90	F026H3FB012	89	F026H4BD012	90	F026H4FA012
90	F026H2FD018	89	F026H3CA018	90	F026H3FB018	89	F026H4BD018	90	F026H4FA018
90	F026H2FD030	89	F026H3CA030	90	F026H3FB030	89	F026H4BD030	90	F026H4FA030
90	F026H2FD033	89	F026H3CA033	90	F026H3FB033	89	F026H4BD033	90	F026H4FA033
91	F026H2GA001	89	F026H3CB001	90	F026H3FD001	89	F026H4CA001	90	F026H4FB001
91	F026H2GA006	89	F026H3CB006	90	F026H3FD006	89	F026H4CA006	90	F026H4FB006
91	F026H2GA012	89	F026H3CB012	90	F026H3FD012	89	F026H4CA012	90	F026H4FB012
91	F026H2GA018	89	F026H3CB018	90	F026H3FD018	89	F026H4CA018	90	F026H4FB018
91	F026H2GA030	89	F026H3CB030	90	F026H3FD030	89	F026H4CA030	90	F026H4FB030
91	F026H2GA033	89	F026H3CB033	90	F026H3FD033	89	F026H4CA033	90	F026H4FB033
91	F026H2GB001	89	F026H3CD001	91	F026H3GA001	89	F026H4CB001	90	F026H4FD001
91	F026H2GB006	89	F026H3CD006	91	F026H3GA006	89	F026H4CB006	90	F026H4FD006
91	F026H2GB012	89	F026H3CD012	91	F026H3GA012	89	F026H4CB012	90	F026H4FD012
91	F026H2GB018	89	F026H3CD018	91	F026H3GA018	89	F026H4CB018	90	F026H4FD018
91	F026H2GB030	89	F026H3CD030	91	F026H3GA030	89	F026H4CB030	90	F026H4FD030
91	F026H2GB033	89	F026H3CD033	91	F026H3GA033	89	F026H4CB033	90	F026H4FD033
91	F026H2GD001	90	F026H3DA001	91	F026H3GB001	89	F026H4CD001	91	F026H4GA001
91	F026H2GD006	90	F026H3DA006	91	F026H3GB006	89	F026H4CD006	91	F026H4GA006
91	F026H2GD012	90	F026H3DA012	91	F026H3GB012	89	F026H4CD012	91	F026H4GA012
91	F026H2GD018	90	F026H3DA018	91	F026H3GB018	89	F026H4CD018	91	F026H4GA018
91	F026H2GD030	90	F026H3DA030	91	F026H3GB030	89	F026H4CD030	91	F026H4GA030
91	F026H2GD033	90	F026H3DA033	91	F026H3GB033	89	F026H4CD033	91	F026H4GA033
91	F026H2HA001	90	F026H3DB001	91	F026H3GD001	90	F026H4DA001	91	F026H4GB001
91	F026H2HA006	90	F026H3DB006	91	F026H3GD006	90	F026H4DA006	91	F026H4GB006
91	F026H2HA012	90	F026H3DB012	91	F026H3GD012	90	F026H4DA012	91	F026H4GB012
91	F026H2HA018	90	F026H3DB018	91	F026H3GD018	90	F026H4DA018	91	F026H4GB018
91	F026H2HA030	90	F026H3DB030	91	F026H3GD030	90	F026H4DA030	91	F026H4GB030
91	F026H2HA033	90	F026H3DB033	91	F026H3GD033	90	F026H4DA033	91	F026H4GB033
91	F026H2HB001	90	F026H3DD001	91	F026H3HA001	90	F026H4DB001	91	F026H4GD001
91	F026H2HB006	90	F026H3DD006	91	F026H3HA006	90	F026H4DB006	91	F026H4GD006
91	F026H2HB012	90	F026H3DD012	91	F026H3HA012	90	F026H4DB012	91	F026H4GD012
91	F026H2HB018	90	F026H3DD018	91	F026H3HA018	90	F026H4DB018	91	F026H4GD018
91	F026H2HB030	90	F026H3DD030	91	F026H3HA030	90	F026H4DB030	91	F026H4GD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
91	F026H4GD033	73	F026L2CA033	74	F026L2FB033	72	F026L3AD033	73	F026L3EA033
91	F026H4HA001	73	F026L2CB001	74	F026L2FD001	72	F026L3BA001	73	F026L3EB001
91	F026H4HA006	73	F026L2CB006	74	F026L2FD006	72	F026L3BA006	73	F026L3EB006
91	F026H4HA012	73	F026L2CB012	74	F026L2FD012	72	F026L3BA012	73	F026L3EB012
91	F026H4HA018	73	F026L2CB018	74	F026L2FD018	72	F026L3BA018	73	F026L3EB018
91	F026H4HA030	73	F026L2CB030	74	F026L2FD030	72	F026L3BA030	73	F026L3EB030
91	F026H4HA033	73	F026L2CB033	74	F026L2FD033	72	F026L3BA033	73	F026L3EB033
91	F026H4HB001	73	F026L2CD001	74	F026L2GA001	72	F026L3BB001	73	F026L3ED001
91	F026H4HB006	73	F026L2CD006	74	F026L2GA006	72	F026L3BB006	73	F026L3ED006
91	F026H4HB012	73	F026L2CD012	74	F026L2GA012	72	F026L3BB012	73	F026L3ED012
91	F026H4HB018	73	F026L2CD018	74	F026L2GA018	72	F026L3BB018	73	F026L3ED018
91	F026H4HB030	73	F026L2CD030	74	F026L2GA030	72	F026L3BB030	73	F026L3ED030
91	F026H4HB033	73	F026L2CD033	74	F026L2GA033	72	F026L3BB033	73	F026L3ED033
91	F026H4HD001	73	F026L2DA001	74	F026L2GB001	72	F026L3BD001	74	F026L3FA001
91	F026H4HD006	73	F026L2DA006	74	F026L2GB006	72	F026L3BD006	74	F026L3FA006
91	F026H4HD012	73	F026L2DA012	74	F026L2GB012	72	F026L3BD012	74	F026L3FA012
91	F026H4HD018	73	F026L2DA018	74	F026L2GB018	72	F026L3BD018	74	F026L3FA018
91	F026H4HD030	73	F026L2DA030	74	F026L2GB030	72	F026L3BD030	74	F026L3FA030
91	F026H4HD033	73	F026L2DA033	74	F026L2GB033	72	F026L3BD033	74	F026L3FA033
72	F026L2AA001	73	F026L2DB001	74	F026L2GD001	73	F026L3CA001	74	F026L3FB001
72	F026L2AA006	73	F026L2DB006	74	F026L2GD006	73	F026L3CA006	74	F026L3FB006
72	F026L2AA012	73	F026L2DB012	74	F026L2GD012	73	F026L3CA012	74	F026L3FB012
72	F026L2AA018	73	F026L2DB018	74	F026L2GD018	73	F026L3CA018	74	F026L3FB018
72	F026L2AA030	73	F026L2DB030	74	F026L2GD030	73	F026L3CA030	74	F026L3FB030
72	F026L2AA033	73	F026L2DB033	74	F026L2GD033	73	F026L3CA033	74	F026L3FB033
72	F026L2AB001	73	F026L2DD001	74	F026L2HA001	73	F026L3CB001	74	F026L3FD001
72	F026L2AB006	73	F026L2DD006	74	F026L2HA006	73	F026L3CB006	74	F026L3FD006
72	F026L2AB012	73	F026L2DD012	74	F026L2HA012	73	F026L3CB012	74	F026L3FD012
72	F026L2AB018	73	F026L2DD018	74	F026L2HA018	73	F026L3CB018	74	F026L3FD018
72	F026L2AB030	73	F026L2DD030	74	F026L2HA030	73	F026L3CB030	74	F026L3FD030
72	F026L2AB033	73	F026L2DD033	74	F026L2HA033	73	F026L3CB033	74	F026L3FD033
72	F026L2AD001	73	F026L2EA001	74	F026L2HB001	73	F026L3CD001	74	F026L3GA001
72	F026L2AD006	73	F026L2EA006	74	F026L2HB006	73	F026L3CD006	74	F026L3GA006
72	F026L2AD012	73	F026L2EA012	74	F026L2HB012	73	F026L3CD012	74	F026L3GA012
72	F026L2AD018	73	F026L2EA018	74	F026L2HB018	73	F026L3CD018	74	F026L3GA018
72	F026L2AD030	73	F026L2EA030	74	F026L2HB030	73	F026L3CD030	74	F026L3GA030
72	F026L2AD033	73	F026L2EA033	74	F026L2HB033	73	F026L3CD033	74	F026L3GA033
72	F026L2BA001	73	F026L2EB001	74	F026L2HD001	73	F026L3DA001	74	F026L3GB001
72	F026L2BA006	73	F026L2EB006	74	F026L2HD006	73	F026L3DA006	74	F026L3GB006
72	F026L2BA012	73	F026L2EB012	74	F026L2HD012	73	F026L3DA012	74	F026L3GB012
72	F026L2BA018	73	F026L2EB018	74	F026L2HD018	73	F026L3DA018	74	F026L3GB018
72	F026L2BA030	73	F026L2EB030	74	F026L2HD030	73	F026L3DA030	74	F026L3GB030
72	F026L2BA033	73	F026L2EB033	74	F026L2HD033	73	F026L3DA033	74	F026L3GB033
72	F026L2BB001	73	F026L2ED001	72	F026L3AA001	73	F026L3DB001	74	F026L3GD001
72	F026L2BB006	73	F026L2ED006	72	F026L3AA006	73	F026L3DB006	74	F026L3GD006
72	F026L2BB012	73	F026L2ED012	72	F026L3AA012	73	F026L3DB012	74	F026L3GD012
72	F026L2BB018	73	F026L2ED018	72	F026L3AA018	73	F026L3DB018	74	F026L3GD018
72	F026L2BB030	73	F026L2ED030	72	F026L3AA030	73	F026L3DB030	74	F026L3GD030
72	F026L2BB033	73	F026L2ED033	72	F026L3AA033	73	F026L3DB033	74	F026L3GD033
72	F026L2BD001	74	F026L2FA001	72	F026L3AB001	73	F026L3DD001	74	F026L3HA001
72	F026L2BD006	74	F026L2FA006	72	F026L3AB006	73	F026L3DD006	74	F026L3HA006
72	F026L2BD012	74	F026L2FA012	72	F026L3AB012	73	F026L3DD012	74	F026L3HA012
72	F026L2BD018	74	F026L2FA018	72	F026L3AB018	73	F026L3DD018	74	F026L3HA018
72	F026L2BD030	74	F026L2FA030	72	F026L3AB030	73	F026L3DD030	74	F026L3HA030
72	F026L2BD033	74	F026L2FA033	72	F026L3AB033	73	F026L3DD033	74	F026L3HA033
73	F026L2CA001	74	F026L2FB001	72	F026L3AD001	73	F026L3EA001	74	F026L3HB001
73	F026L2CA006	74	F026L2FB006	72	F026L3AD006	73	F026L3EA006	74	F026L3HB006
73	F026L2CA012	74	F026L2FB012	72	F026L3AD012	73	F026L3EA012	74	F026L3HB012
73	F026L2CA018	74	F026L2FB018	72	F026L3AD018	73	F026L3EA018	74	F026L3HB018
73	F026L2CA030	74	F026L2FB030	72	F026L3AD030	73	F026L3EA030	74	F026L3HB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
74	F026L3HB033	73	F026L4CD033	74	F026L4GA033	75	F026M2CB033	76	F026M2FD033
74	F026L3HD001	73	F026L4DA001	74	F026L4GB001	75	F026M2CD001	77	F026M2GA001
74	F026L3HD006	73	F026L4DA006	74	F026L4GB006	75	F026M2CD006	77	F026M2GA006
74	F026L3HD012	73	F026L4DA012	74	F026L4GB012	75	F026M2CD012	77	F026M2GA012
74	F026L3HD018	73	F026L4DA018	74	F026L4GB018	75	F026M2CD018	77	F026M2GA018
74	F026L3HD030	73	F026L4DA030	74	F026L4GB030	75	F026M2CD030	77	F026M2GA030
74	F026L3HD033	73	F026L4DA033	74	F026L4GB033	75	F026M2CD033	77	F026M2GA033
72	F026L4AA001	73	F026L4DB001	74	F026L4GD001	76	F026M2DA001	77	F026M2GB001
72	F026L4AA006	73	F026L4DB006	74	F026L4GD006	76	F026M2DA006	77	F026M2GB006
72	F026L4AA012	73	F026L4DB012	74	F026L4GD012	76	F026M2DA012	77	F026M2GB012
72	F026L4AA018	73	F026L4DB018	74	F026L4GD018	76	F026M2DA018	77	F026M2GB018
72	F026L4AA030	73	F026L4DB030	74	F026L4GD030	76	F026M2DA030	77	F026M2GB030
72	F026L4AA033	73	F026L4DB033	74	F026L4GD033	76	F026M2DA033	77	F026M2GB033
72	F026L4AB001	73	F026L4DD001	74	F026L4HA001	76	F026M2DB001	77	F026M2GD001
72	F026L4AB006	73	F026L4DD006	74	F026L4HA006	76	F026M2DB006	77	F026M2GD006
72	F026L4AB012	73	F026L4DD012	74	F026L4HA012	76	F026M2DB012	77	F026M2GD012
72	F026L4AB018	73	F026L4DD018	74	F026L4HA018	76	F026M2DB018	77	F026M2GD018
72	F026L4AB030	73	F026L4DD030	74	F026L4HA030	76	F026M2DB030	77	F026M2GD030
72	F026L4AB033	73	F026L4DD033	74	F026L4HA033	76	F026M2DB033	77	F026M2GD033
72	F026L4AD001	73	F026L4EA001	74	F026L4HB001	76	F026M2DD001	77	F026M2HA001
72	F026L4AD006	73	F026L4EA006	74	F026L4HB006	76	F026M2DD006	77	F026M2HA006
72	F026L4AD012	73	F026L4EA012	74	F026L4HB012	76	F026M2DD012	77	F026M2HA012
72	F026L4AD018	73	F026L4EA018	74	F026L4HB018	76	F026M2DD018	77	F026M2HA018
72	F026L4AD030	73	F026L4EA030	74	F026L4HB030	76	F026M2DD030	77	F026M2HA030
72	F026L4AD033	73	F026L4EA033	74	F026L4HB033	76	F026M2DD033	77	F026M2HA033
72	F026L4BA001	73	F026L4EB001	74	F026L4HD001	76	F026M2EA001	77	F026M2HB001
72	F026L4BA006	73	F026L4EB006	74	F026L4HD006	76	F026M2EA006	77	F026M2HB006
72	F026L4BA012	73	F026L4EB012	74	F026L4HD012	76	F026M2EA012	77	F026M2HB012
72	F026L4BA018	73	F026L4EB018	74	F026L4HD018	76	F026M2EA018	77	F026M2HB018
72	F026L4BA030	73	F026L4EB030	74	F026L4HD030	76	F026M2EA030	77	F026M2HB030
72	F026L4BA033	73	F026L4EB033	74	F026L4HD033	76	F026M2EA033	77	F026M2HB033
72	F026L4BB001	73	F026L4ED001	75	F026M2BA001	76	F026M2EB001	77	F026M2HD001
72	F026L4BB006	73	F026L4ED006	75	F026M2BA006	76	F026M2EB006	77	F026M2HD006
72	F026L4BB012	73	F026L4ED012	75	F026M2BA012	76	F026M2EB012	77	F026M2HD012
72	F026L4BB018	73	F026L4ED018	75	F026M2BA018	76	F026M2EB018	77	F026M2HD018
72	F026L4BB030	73	F026L4ED030	75	F026M2BA030	76	F026M2EB030	77	F026M2HD030
72	F026L4BB033	73	F026L4ED033	75	F026M2BA033	76	F026M2EB033	77	F026M2HD033
72	F026L4BD001	74	F026L4FA001	75	F026M2BB001	76	F026M2ED001	75	F026M3BA001
72	F026L4BD006	74	F026L4FA006	75	F026M2BB006	76	F026M2ED006	75	F026M3BA006
72	F026L4BD012	74	F026L4FA012	75	F026M2BB012	76	F026M2ED012	75	F026M3BA012
72	F026L4BD018	74	F026L4FA018	75	F026M2BB018	76	F026M2ED018	75	F026M3BA018
72	F026L4BD030	74	F026L4FA030	75	F026M2BB030	76	F026M2ED030	75	F026M3BA030
72	F026L4BD033	74	F026L4FA033	75	F026M2BB033	76	F026M2ED033	75	F026M3BA033
73	F026L4CA001	74	F026L4FB001	75	F026M2BD001	76	F026M2FA001	75	F026M3BB001
73	F026L4CA006	74	F026L4FB006	75	F026M2BD006	76	F026M2FA006	75	F026M3BB006
73	F026L4CA012	74	F026L4FB012	75	F026M2BD012	76	F026M2FA012	75	F026M3BB012
73	F026L4CA018	74	F026L4FB018	75	F026M2BD018	76	F026M2FA018	75	F026M3BB018
73	F026L4CA030	74	F026L4FB030	75	F026M2BD030	76	F026M2FA030	75	F026M3BB030
73	F026L4CA033	74	F026L4FB033	75	F026M2BD033	76	F026M2FA033	75	F026M3BB033
73	F026L4CB001	74	F026L4FD001	75	F026M2CA001	76	F026M2FB001	75	F026M3BD001
73	F026L4CB006	74	F026L4FD006	75	F026M2CA006	76	F026M2FB006	75	F026M3BD006
73	F026L4CB012	74	F026L4FD012	75	F026M2CA012	76	F026M2FB012	75	F026M3BD012
73	F026L4CB018	74	F026L4FD018	75	F026M2CA018	76	F026M2FB018	75	F026M3BD018
73	F026L4CB030	74	F026L4FD030	75	F026M2CA030	76	F026M2FB030	75	F026M3BD030
73	F026L4CB033	74	F026L4FD033	75	F026M2CA033	76	F026M2FB033	75	F026M3BD033
73	F026L4CD001	74	F026L4GA001	75	F026M2CB001	76	F026M2FD001	75	F026M3CA001
73	F026L4CD006	74	F026L4GA006	75	F026M2CB006	76	F026M2FD006	75	F026M3CA006
73	F026L4CD012	74	F026L4GA012	75	F026M2CB012	76	F026M2FD012	75	F026M3CA012
73	F026L4CD018	74	F026L4GA018	75	F026M2CB018	76	F026M2FD018	75	F026M3CA018
73	F026L4CD030	74	F026L4GA030	75	F026M2CB030	76	F026M2FD030	75	F026M3CA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
75	F026M3CA033	76	F026M3FB033	75	F026M4BD033	76	F026M4FA033	97	F026Q2BB033.A
75	F026M3CB001	76	F026M3FD001	75	F026M4CA001	76	F026M4FB001	97	F026Q2BD001.A
75	F026M3CB006	76	F026M3FD006	75	F026M4CA006	76	F026M4FB006	97	F026Q2BD006.A
75	F026M3CB012	76	F026M3FD012	75	F026M4CA012	76	F026M4FB012	97	F026Q2BD012.A
75	F026M3CB018	76	F026M3FD018	75	F026M4CA018	76	F026M4FB018	97	F026Q2BD018.A
75	F026M3CB030	76	F026M3FD030	75	F026M4CA030	76	F026M4FB030	97	F026Q2BD030.A
75	F026M3CB033	76	F026M3FD033	75	F026M4CA033	76	F026M4FB033	97	F026Q2BD033.A
75	F026M3CD001	77	F026M3GA001	75	F026M4CB001	76	F026M4FD001	97	F026Q2CA001.A
75	F026M3CD006	77	F026M3GA006	75	F026M4CB006	76	F026M4FD006	97	F026Q2CA006.A
75	F026M3CD012	77	F026M3GA012	75	F026M4CB012	76	F026M4FD012	97	F026Q2CA012.A
75	F026M3CD018	77	F026M3GA018	75	F026M4CB018	76	F026M4FD018	97	F026Q2CA018.A
75	F026M3CD030	77	F026M3GA030	75	F026M4CB030	76	F026M4FD030	97	F026Q2CA030.A
75	F026M3CD033	77	F026M3GA033	75	F026M4CB033	76	F026M4FD033	97	F026Q2CA033.A
76	F026M3DA001	77	F026M3GB001	75	F026M4CD001	77	F026M4GA001	97	F026Q2CB001.A
76	F026M3DA006	77	F026M3GB006	75	F026M4CD006	77	F026M4GA006	97	F026Q2CB006.A
76	F026M3DA012	77	F026M3GB012	75	F026M4CD012	77	F026M4GA012	97	F026Q2CB012.A
76	F026M3DA018	77	F026M3GB018	75	F026M4CD018	77	F026M4GA018	97	F026Q2CB018.A
76	F026M3DA030	77	F026M3GB030	75	F026M4CD030	77	F026M4GA030	97	F026Q2CB030.A
76	F026M3DA033	77	F026M3GB033	75	F026M4CD033	77	F026M4GA033	97	F026Q2CB033.A
76	F026M3DB001	77	F026M3GD001	76	F026M4DA001	77	F026M4GB001	97	F026Q2CD001.A
76	F026M3DB006	77	F026M3GD006	76	F026M4DA006	77	F026M4GB006	97	F026Q2CD006.A
76	F026M3DB012	77	F026M3GD012	76	F026M4DA012	77	F026M4GB012	97	F026Q2CD012.A
76	F026M3DB018	77	F026M3GD018	76	F026M4DA018	77	F026M4GB018	97	F026Q2CD018.A
76	F026M3DB030	77	F026M3GD030	76	F026M4DA030	77	F026M4GB030	97	F026Q2CD030.A
76	F026M3DB033	77	F026M3GD033	76	F026M4DA033	77	F026M4GB033	97	F026Q2CD033.A
76	F026M3DD001	77	F026M3HA001	76	F026M4DB001	77	F026M4GD001	97	F026Q3BA001
76	F026M3DD006	77	F026M3HA006	76	F026M4DB006	77	F026M4GD006	97	F026Q3BA006
76	F026M3DD012	77	F026M3HA012	76	F026M4DB012	77	F026M4GD012	97	F026Q3BA012
76	F026M3DD018	77	F026M3HA018	76	F026M4DB018	77	F026M4GD018	97	F026Q3BA018
76	F026M3DD030	77	F026M3HA030	76	F026M4DB030	77	F026M4GD030	97	F026Q3BA030
76	F026M3DD033	77	F026M3HA033	76	F026M4DB033	77	F026M4GD033	97	F026Q3BA033
76	F026M3EA001	77	F026M3HB001	76	F026M4DD001	77	F026M4HA001	97	F026Q3BB001
76	F026M3EA006	77	F026M3HB006	76	F026M4DD006	77	F026M4HA006	97	F026Q3BB006
76	F026M3EA012	77	F026M3HB012	76	F026M4DD012	77	F026M4HA012	97	F026Q3BB012
76	F026M3EA018	77	F026M3HB018	76	F026M4DD018	77	F026M4HA018	97	F026Q3BB018
76	F026M3EA030	77	F026M3HB030	76	F026M4DD030	77	F026M4HA030	97	F026Q3BB030
76	F026M3EA033	77	F026M3HB033	76	F026M4DD033	77	F026M4HA033	97	F026Q3BB033
76	F026M3EB001	77	F026M3HD001	76	F026M4EA001	77	F026M4HB001	97	F026Q3BD001
76	F026M3EB006	77	F026M3HD006	76	F026M4EA006	77	F026M4HB006	97	F026Q3BD006
76	F026M3EB012	77	F026M3HD012	76	F026M4EA012	77	F026M4HB012	97	F026Q3BD012
76	F026M3EB018	77	F026M3HD018	76	F026M4EA018	77	F026M4HB018	97	F026Q3BD018
76	F026M3EB030	77	F026M3HD030	76	F026M4EA030	77	F026M4HB030	97	F026Q3BD030
76	F026M3EB033	77	F026M3HD033	76	F026M4EA033	77	F026M4HB033	97	F026Q3BD033
76	F026M3ED001	75	F026M4BA001	76	F026M4EB001	77	F026M4HD001	97	F026Q3CA001
76	F026M3ED006	75	F026M4BA006	76	F026M4EB006	77	F026M4HD006	97	F026Q3CA006
76	F026M3ED012	75	F026M4BA012	76	F026M4EB012	77	F026M4HD012	97	F026Q3CA012
76	F026M3ED018	75	F026M4BA018	76	F026M4EB018	77	F026M4HD018	97	F026Q3CA018
76	F026M3ED030	75	F026M4BA030	76	F026M4EB030	77	F026M4HD030	97	F026Q3CA030
76	F026M3ED033	75	F026M4BA033	76	F026M4EB033	77	F026M4HD033	97	F026Q3CA033
76	F026M3FA001	75	F026M4BB001	76	F026M4ED001	97	F026Q2BA001.A	97	F026Q3CB001
76	F026M3FA006	75	F026M4BB006	76	F026M4ED006	97	F026Q2BA006.A	97	F026Q3CB006
76	F026M3FA012	75	F026M4BB012	76	F026M4ED012	97	F026Q2BA012.A	97	F026Q3CB012
76	F026M3FA018	75	F026M4BB018	76	F026M4ED018	97	F026Q2BA018.A	97	F026Q3CB018
76	F026M3FA030	75	F026M4BB030	76	F026M4ED030	97	F026Q2BA030.A	97	F026Q3CB030
76	F026M3FA033	75	F026M4BB033	76	F026M4ED033	97	F026Q2BA033.A	97	F026Q3CB033
76	F026M3FB001	75	F026M4BD001	76	F026M4FA001	97	F026Q2BB001.A	97	F026Q3CD001
76	F026M3FB006	75	F026M4BD006	76	F026M4FA006	97	F026Q2BB006.A	97	F026Q3CD006
76	F026M3FB012	75	F026M4BD012	76	F026M4FA012	97	F026Q2BB012.A	97	F026Q3CD012
76	F026M3FB018	75	F026M4BD018	76	F026M4FA018	97	F026Q2BB018.A	97	F026Q3CD018
76	F026M3FB030	75	F026M4BD030	76	F026M4FA030	97	F026Q2BB030.A	97	F026Q3CD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
97	F026Q3CD033	114	F026R2BA033	115	F026R2EB033	116	F026R2HD033	115	F026R3DA033
97	F026Q4BA001.A	114	F026R2BB001	115	F026R2ED001	114	F026R3AA001	115	F026R3DB001
97	F026Q4BA006.A	114	F026R2BB006	115	F026R2ED006	114	F026R3AA006	115	F026R3DB006
97	F026Q4BA012.A	114	F026R2BB012	115	F026R2ED012	114	F026R3AA012	115	F026R3DB012
97	F026Q4BA018.A	114	F026R2BB018	115	F026R2ED018	114	F026R3AA018	115	F026R3DB018
97	F026Q4BA030.A	114	F026R2BB030	115	F026R2ED030	114	F026R3AA030	115	F026R3DB030
97	F026Q4BA033.A	114	F026R2BB033	115	F026R2ED033	114	F026R3AA033	115	F026R3DB033
97	F026Q4BB001.A	114	F026R2BD001	116	F026R2FA001	114	F026R3AB001	115	F026R3DD001
97	F026Q4BB006.A	114	F026R2BD006	116	F026R2FA006	114	F026R3AB006	115	F026R3DD006
97	F026Q4BB012.A	114	F026R2BD012	116	F026R2FA012	114	F026R3AB012	115	F026R3DD012
97	F026Q4BB018.A	114	F026R2BD018	116	F026R2FA018	114	F026R3AB018	115	F026R3DD018
97	F026Q4BB030.A	114	F026R2BD030	116	F026R2FA030	114	F026R3AB030	115	F026R3DD030
97	F026Q4BB033.A	114	F026R2BD033	116	F026R2FA033	114	F026R3AB033	115	F026R3DD033
97	F026Q4BD001.A	115	F026R2CA001	116	F026R2FB001	114	F026R3AD001	115	F026R3EA001
97	F026Q4BD006.A	115	F026R2CA006	116	F026R2FB006	114	F026R3AD006	115	F026R3EA006
97	F026Q4BD012.A	115	F026R2CA012	116	F026R2FB012	114	F026R3AD012	115	F026R3EA012
97	F026Q4BD018.A	115	F026R2CA018	116	F026R2FB018	114	F026R3AD018	115	F026R3EA018
97	F026Q4BD030.A	115	F026R2CA030	116	F026R2FB030	114	F026R3AD030	115	F026R3EA030
97	F026Q4BD033.A	115	F026R2CA033	116	F026R2FB033	114	F026R3AD033	115	F026R3EA033
97	F026Q4CA001.A	115	F026R2CB001	116	F026R2FD001	114	F026R3BA001	115	F026R3EB001
97	F026Q4CA006.A	115	F026R2CB006	116	F026R2FD006	114	F026R3BA006	115	F026R3EB006
97	F026Q4CA012.A	115	F026R2CB012	116	F026R2FD012	114	F026R3BA012	115	F026R3EB012
97	F026Q4CA018.A	115	F026R2CB018	116	F026R2FD018	114	F026R3BA018	115	F026R3EB018
97	F026Q4CA030.A	115	F026R2CB030	116	F026R2FD030	114	F026R3BA030	115	F026R3EB030
97	F026Q4CA033.A	115	F026R2CB033	116	F026R2FD033	114	F026R3BA033	115	F026R3EB033
97	F026Q4CB001.A	115	F026R2CD001	116	F026R2GA001	114	F026R3BB001	115	F026R3ED001
97	F026Q4CB006.A	115	F026R2CD006	116	F026R2GA006	114	F026R3BB006	115	F026R3ED006
97	F026Q4CB012.A	115	F026R2CD012	116	F026R2GA012	114	F026R3BB012	115	F026R3ED012
97	F026Q4CB018.A	115	F026R2CD018	116	F026R2GA018	114	F026R3BB018	115	F026R3ED018
97	F026Q4CB030.A	115	F026R2CD030	116	F026R2GA030	114	F026R3BB030	115	F026R3ED030
97	F026Q4CB033.A	115	F026R2CD033	116	F026R2GA033	114	F026R3BB033	115	F026R3ED033
97	F026Q4CD001.A	115	F026R2DA001	116	F026R2GB001	114	F026R3BD001	116	F026R3FA001
97	F026Q4CD006.A	115	F026R2DA006	116	F026R2GB006	114	F026R3BD006	116	F026R3FA006
97	F026Q4CD012.A	115	F026R2DA012	116	F026R2GB012	114	F026R3BD012	116	F026R3FA012
97	F026Q4CD018.A	115	F026R2DA018	116	F026R2GB018	114	F026R3BD018	116	F026R3FA018
97	F026Q4CD030.A	115	F026R2DA030	116	F026R2GB030	114	F026R3BD030	116	F026R3FA030
97	F026Q4CD033.A	115	F026R2DA033	116	F026R2GB033	114	F026R3BD033	116	F026R3FA033
114	F026R2AA001	115	F026R2DB001	116	F026R2GD001	115	F026R3CA001	116	F026R3FB001
114	F026R2AA006	115	F026R2DB006	116	F026R2GD006	115	F026R3CA006	116	F026R3FB006
114	F026R2AA012	115	F026R2DB012	116	F026R2GD012	115	F026R3CA012	116	F026R3FB012
114	F026R2AA018	115	F026R2DB018	116	F026R2GD018	115	F026R3CA018	116	F026R3FB018
114	F026R2AA030	115	F026R2DB030	116	F026R2GD030	115	F026R3CA030	116	F026R3FB030
114	F026R2AA033	115	F026R2DB033	116	F026R2GD033	115	F026R3CA033	116	F026R3FB033
114	F026R2AB001	115	F026R2DD001	116	F026R2HA001	115	F026R3CB001	116	F026R3FD001
114	F026R2AB006	115	F026R2DD006	116	F026R2HA006	115	F026R3CB006	116	F026R3FD006
114	F026R2AB012	115	F026R2DD012	116	F026R2HA012	115	F026R3CB012	116	F026R3FD012
114	F026R2AB018	115	F026R2DD018	116	F026R2HA018	115	F026R3CB018	116	F026R3FD018
114	F026R2AB030	115	F026R2DD030	116	F026R2HA030	115	F026R3CB030	116	F026R3FD030
114	F026R2AB033	115	F026R2DD033	116	F026R2HA033	115	F026R3CB033	116	F026R3FD033
114	F026R2AD001	115	F026R2EA001	116	F026R2HB001	115	F026R3CD001	116	F026R3GA001
114	F026R2AD006	115	F026R2EA006	116	F026R2HB006	115	F026R3CD006	116	F026R3GA006
114	F026R2AD012	115	F026R2EA012	116	F026R2HB012	115	F026R3CD012	116	F026R3GA012
114	F026R2AD018	115	F026R2EA018	116	F026R2HB018	115	F026R3CD018	116	F026R3GA018
114	F026R2AD030	115	F026R2EA030	116	F026R2HB030	115	F026R3CD030	116	F026R3GA030
114	F026R2AD033	115	F026R2EA033	116	F026R2HB033	115	F026R3CD033	116	F026R3GA033
114	F026R2BA001	115	F026R2EB001	116	F026R2HD001	115	F026R3DA001	116	F026R3GB001
114	F026R2BA006	115	F026R2EB006	116	F026R2HD006	115	F026R3DA006	116	F026R3GB006
114	F026R2BA012	115	F026R2EB012	116	F026R2HD012	115	F026R3DA012	116	F026R3GB012
114	F026R2BA018	115	F026R2EB018	116	F026R2HD018	115	F026R3DA018	116	F026R3GB018
114	F026R2BA030	115	F026R2EB030	116	F026R2HD030	115	F026R3DA030	116	F026R3GB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
116	F026R3GB033	114	F026R4BD033	116	F026R4FA033	117	F026S2BB033	118	F026S2ED033
116	F026R3GD001	115	F026R4CA001	116	F026R4FB001	117	F026S2BD001	118	F026S2FA001
116	F026R3GD006	115	F026R4CA006	116	F026R4FB006	117	F026S2BD006	118	F026S2FA006
116	F026R3GD012	115	F026R4CA012	116	F026R4FB012	117	F026S2BD012	118	F026S2FA012
116	F026R3GD018	115	F026R4CA018	116	F026R4FB018	117	F026S2BD018	118	F026S2FA018
116	F026R3GD030	115	F026R4CA030	116	F026R4FB030	117	F026S2BD030	118	F026S2FA030
116	F026R3GD033	115	F026R4CA033	116	F026R4FB033	117	F026S2BD033	118	F026S2FA033
116	F026R3HA001	115	F026R4CB001	116	F026R4FD001	117	F026S2CA001	118	F026S2FB001
116	F026R3HA006	115	F026R4CB006	116	F026R4FD006	117	F026S2CA006	118	F026S2FB006
116	F026R3HA012	115	F026R4CB012	116	F026R4FD012	117	F026S2CA012	118	F026S2FB012
116	F026R3HA018	115	F026R4CB018	116	F026R4FD018	117	F026S2CA018	118	F026S2FB018
116	F026R3HA030	115	F026R4CB030	116	F026R4FD030	117	F026S2CA030	118	F026S2FB030
116	F026R3HA033	115	F026R4CB033	116	F026R4FD033	117	F026S2CA033	118	F026S2FB033
116	F026R3HB001	115	F026R4CD001	116	F026R4GA001	117	F026S2CB001	118	F026S2FD001
116	F026R3HB006	115	F026R4CD006	116	F026R4GA006	117	F026S2CB006	118	F026S2FD006
116	F026R3HB012	115	F026R4CD012	116	F026R4GA012	117	F026S2CB012	118	F026S2FD012
116	F026R3HB018	115	F026R4CD018	116	F026R4GA018	117	F026S2CB018	118	F026S2FD018
116	F026R3HB030	115	F026R4CD030	116	F026R4GA030	117	F026S2CB030	118	F026S2FD030
116	F026R3HB033	115	F026R4CD033	116	F026R4GA033	117	F026S2CB033	118	F026S2FD033
116	F026R3HD001	115	F026R4DA001	116	F026R4GB001	117	F026S2CD001	119	F026S2GA001
116	F026R3HD006	115	F026R4DA006	116	F026R4GB006	117	F026S2CD006	119	F026S2GA006
116	F026R3HD012	115	F026R4DA012	116	F026R4GB012	117	F026S2CD012	119	F026S2GA012
116	F026R3HD018	115	F026R4DA018	116	F026R4GB018	117	F026S2CD018	119	F026S2GA018
116	F026R3HD030	115	F026R4DA030	116	F026R4GB030	117	F026S2CD030	119	F026S2GA030
116	F026R3HD033	115	F026R4DA033	116	F026R4GB033	117	F026S2CD033	119	F026S2GA033
114	F026R4AA001	115	F026R4DB001	116	F026R4GD001	118	F026S2DA001	119	F026S2GB001
114	F026R4AA006	115	F026R4DB006	116	F026R4GD006	118	F026S2DA006	119	F026S2GB006
114	F026R4AA012	115	F026R4DB012	116	F026R4GD012	118	F026S2DA012	119	F026S2GB012
114	F026R4AA018	115	F026R4DB018	116	F026R4GD018	118	F026S2DA018	119	F026S2GB018
114	F026R4AA030	115	F026R4DB030	116	F026R4GD030	118	F026S2DA030	119	F026S2GB030
114	F026R4AA033	115	F026R4DB033	116	F026R4GD033	118	F026S2DA033	119	F026S2GB033
114	F026R4AB001	115	F026R4DD001	116	F026R4HA001	118	F026S2DB001	119	F026S2GD001
114	F026R4AB006	115	F026R4DD006	116	F026R4HA006	118	F026S2DB006	119	F026S2GD006
114	F026R4AB012	115	F026R4DD012	116	F026R4HA012	118	F026S2DB012	119	F026S2GD012
114	F026R4AB018	115	F026R4DD018	116	F026R4HA018	118	F026S2DB018	119	F026S2GD018
114	F026R4AB030	115	F026R4DD030	116	F026R4HA030	118	F026S2DB030	119	F026S2GD030
114	F026R4AB033	115	F026R4DD033	116	F026R4HA033	118	F026S2DB033	119	F026S2GD033
114	F026R4AD001	115	F026R4EA001	116	F026R4HB001	118	F026S2DD001	119	F026S2HA001
114	F026R4AD006	115	F026R4EA006	116	F026R4HB006	118	F026S2DD006	119	F026S2HA006
114	F026R4AD012	115	F026R4EA012	116	F026R4HB012	118	F026S2DD012	119	F026S2HA012
114	F026R4AD018	115	F026R4EA018	116	F026R4HB018	118	F026S2DD018	119	F026S2HA018
114	F026R4AD030	115	F026R4EA030	116	F026R4HB030	118	F026S2DD030	119	F026S2HA030
114	F026R4AD033	115	F026R4EA033	116	F026R4HB033	118	F026S2DD033	119	F026S2HA033
114	F026R4BA001	115	F026R4EB001	116	F026R4HD001	118	F026S2EA001	119	F026S2HB001
114	F026R4BA006	115	F026R4EB006	116	F026R4HD006	118	F026S2EA006	119	F026S2HB006
114	F026R4BA012	115	F026R4EB012	116	F026R4HD012	118	F026S2EA012	119	F026S2HB012
114	F026R4BA018	115	F026R4EB018	116	F026R4HD018	118	F026S2EA018	119	F026S2HB018
114	F026R4BA030	115	F026R4EB030	116	F026R4HD030	118	F026S2EA030	119	F026S2HB030
114	F026R4BA033	115	F026R4EB033	116	F026R4HD033	118	F026S2EA033	119	F026S2HB033
114	F026R4BB001	115	F026R4ED001	117	F026S2BA001	118	F026S2EB001	119	F026S2HD001
114	F026R4BB006	115	F026R4ED006	117	F026S2BA006	118	F026S2EB006	119	F026S2HD006
114	F026R4BB012	115	F026R4ED012	117	F026S2BA012	118	F026S2EB012	119	F026S2HD012
114	F026R4BB018	115	F026R4ED018	117	F026S2BA018	118	F026S2EB018	119	F026S2HD018
114	F026R4BB030	115	F026R4ED030	117	F026S2BA030	118	F026S2EB030	119	F026S2HD030
114	F026R4BB033	115	F026R4ED033	117	F026S2BA033	118	F026S2EB033	119	F026S2HD033
114	F026R4BD001	116	F026R4FA001	117	F026S2BB001	118	F026S2ED001	117	F026S3BA001
114	F026R4BD006	116	F026R4FA006	117	F026S2BB006	118	F026S2ED006	117	F026S3BA006
114	F026R4BD012	116	F026R4FA012	117	F026S2BB012	118	F026S2ED012	117	F026S3BA012
114	F026R4BD018	116	F026R4FA018	117	F026S2BB018	118	F026S2ED018	117	F026S3BA018
114	F026R4BD030	116	F026R4FA030	117	F026S2BB030	118	F026S2ED030	117	F026S3BA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
117	F026S3BA033	118	F026S3EB033	119	F026S3HD033	118	F026S4EA033	119	F026S4HB033
117	F026S3BB001	118	F026S3ED001	117	F026S4BA001	118	F026S4EB001	119	F026S4HD001
117	F026S3BB006	118	F026S3ED006	117	F026S4BA006	118	F026S4EB006	119	F026S4HD006
117	F026S3BB012	118	F026S3ED012	117	F026S4BA012	118	F026S4EB012	119	F026S4HD012
117	F026S3BB018	118	F026S3ED018	117	F026S4BA018	118	F026S4EB018	119	F026S4HD018
117	F026S3BB030	118	F026S3ED030	117	F026S4BA030	118	F026S4EB030	119	F026S4HD030
117	F026S3BB033	118	F026S3ED033	117	F026S4BA033	118	F026S4EB033	119	F026S4HD033
117	F026S3BD001	118	F026S3FA001	117	F026S4BB001	118	F026S4ED001	102	F026V2AA001
117	F026S3BD006	118	F026S3FA006	117	F026S4BB006	118	F026S4ED006	102	F026V2AA006
117	F026S3BD012	118	F026S3FA012	117	F026S4BB012	118	F026S4ED012	102	F026V2AA012
117	F026S3BD018	118	F026S3FA018	117	F026S4BB018	118	F026S4ED018	102	F026V2AA018
117	F026S3BD030	118	F026S3FA030	117	F026S4BB030	118	F026S4ED030	102	F026V2AA030
117	F026S3BD033	118	F026S3FA033	117	F026S4BB033	118	F026S4ED033	102	F026V2AA033
117	F026S3CA001	118	F026S3FB001	117	F026S4BD001	118	F026S4FA001	102	F026V2AB001
117	F026S3CA006	118	F026S3FB006	117	F026S4BD006	118	F026S4FA006	102	F026V2AB006
117	F026S3CA012	118	F026S3FB012	117	F026S4BD012	118	F026S4FA012	102	F026V2AB012
117	F026S3CA018	118	F026S3FB018	117	F026S4BD018	118	F026S4FA018	102	F026V2AB018
117	F026S3CA030	118	F026S3FB030	117	F026S4BD030	118	F026S4FA030	102	F026V2AB030
117	F026S3CA033	118	F026S3FB033	117	F026S4BD033	118	F026S4FA033	102	F026V2AB033
117	F026S3CB001	118	F026S3FD001	117	F026S4CA001	118	F026S4FB001	102	F026V2AD001
117	F026S3CB006	118	F026S3FD006	117	F026S4CA006	118	F026S4FB006	102	F026V2AD006
117	F026S3CB012	118	F026S3FD012	117	F026S4CA012	118	F026S4FB012	102	F026V2AD012
117	F026S3CB018	118	F026S3FD018	117	F026S4CA018	118	F026S4FB018	102	F026V2AD018
117	F026S3CB030	118	F026S3FD030	117	F026S4CA030	118	F026S4FB030	102	F026V2AD030
117	F026S3CB033	118	F026S3FD033	117	F026S4CA033	118	F026S4FB033	102	F026V2AD033
117	F026S3CD001	119	F026S3GA001	117	F026S4CB001	118	F026S4FD001	102	F026V2BA001
117	F026S3CD006	119	F026S3GA006	117	F026S4CB006	118	F026S4FD006	102	F026V2BA006
117	F026S3CD012	119	F026S3GA012	117	F026S4CB012	118	F026S4FD012	102	F026V2BA012
117	F026S3CD018	119	F026S3GA018	117	F026S4CB018	118	F026S4FD018	102	F026V2BA018
117	F026S3CD030	119	F026S3GA030	117	F026S4CB030	118	F026S4FD030	102	F026V2BA030
117	F026S3CD033	119	F026S3GA033	117	F026S4CB033	118	F026S4FD033	102	F026V2BA033
118	F026S3DA001	119	F026S3GB001	117	F026S4CD001	119	F026S4GA001	102	F026V2BB001
118	F026S3DA006	119	F026S3GB006	117	F026S4CD006	119	F026S4GA006	102	F026V2BB006
118	F026S3DA012	119	F026S3GB012	117	F026S4CD012	119	F026S4GA012	102	F026V2BB012
118	F026S3DA018	119	F026S3GB018	117	F026S4CD018	119	F026S4GA018	102	F026V2BB018
118	F026S3DA030	119	F026S3GB030	117	F026S4CD030	119	F026S4GA030	102	F026V2BB030
118	F026S3DA033	119	F026S3GB033	117	F026S4CD033	119	F026S4GA033	102	F026V2BB033
118	F026S3DB001	119	F026S3GD001	118	F026S4DA001	119	F026S4GB001	102	F026V2BD001
118	F026S3DB006	119	F026S3GD006	118	F026S4DA006	119	F026S4GB006	102	F026V2BD006
118	F026S3DB012	119	F026S3GD012	118	F026S4DA012	119	F026S4GB012	102	F026V2BD012
118	F026S3DB018	119	F026S3GD018	118	F026S4DA018	119	F026S4GB018	102	F026V2BD018
118	F026S3DB030	119	F026S3GD030	118	F026S4DA030	119	F026S4GB030	102	F026V2BD030
118	F026S3DB033	119	F026S3GD033	118	F026S4DA033	119	F026S4GB033	102	F026V2BD033
118	F026S3DD001	119	F026S3HA001	118	F026S4DB001	119	F026S4GD001	103	F026V2CA001
118	F026S3DD006	119	F026S3HA006	118	F026S4DB006	119	F026S4GD006	103	F026V2CA006
118	F026S3DD012	119	F026S3HA012	118	F026S4DB012	119	F026S4GD012	103	F026V2CA012
118	F026S3DD018	119	F026S3HA018	118	F026S4DB018	119	F026S4GD018	103	F026V2CA018
118	F026S3DD030	119	F026S3HA030	118	F026S4DB030	119	F026S4GD030	103	F026V2CA030
118	F026S3DD033	119	F026S3HA033	118	F026S4DB033	119	F026S4GD033	103	F026V2CA033
118	F026S3EA001	119	F026S3HB001	118	F026S4DD001	119	F026S4HA001	103	F026V2CB001
118	F026S3EA006	119	F026S3HB006	118	F026S4DD006	119	F026S4HA006	103	F026V2CB006
118	F026S3EA012	119	F026S3HB012	118	F026S4DD012	119	F026S4HA012	103	F026V2CB012
118	F026S3EA018	119	F026S3HB018	118	F026S4DD018	119	F026S4HA018	103	F026V2CB018
118	F026S3EA030	119	F026S3HB030	118	F026S4DD030	119	F026S4HA030	103	F026V2CB030
118	F026S3EA033	119	F026S3HB033	118	F026S4DD033	119	F026S4HA033	103	F026V2CB033
118	F026S3EB001	119	F026S3HD001	118	F026S4EA001	119	F026S4HB001	103	F026V2CD001
118	F026S3EB006	119	F026S3HD006	118	F026S4EA006	119	F026S4HB006	103	F026V2CD006
118	F026S3EB012	119	F026S3HD012	118	F026S4EA012	119	F026S4HB012	103	F026V2CD012
118	F026S3EB018	119	F026S3HD018	118	F026S4EA018	119	F026S4HB018	103	F026V2CD018
118	F026S3EB030	119	F026S3HD030	118	F026S4EA030	119	F026S4HB030	103	F026V2CD030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
103	F026V2CD033	104	F026V2GA033	102	F026V3BB033	103	F026V3ED033	102	F026V4AA033
103	F026V2DA001	104	F026V2GB001	102	F026V3BD001	104	F026V3FA001	102	F026V4AB001
103	F026V2DA006	104	F026V2GB006	102	F026V3BD006	104	F026V3FA006	102	F026V4AB006
103	F026V2DA012	104	F026V2GB012	102	F026V3BD012	104	F026V3FA012	102	F026V4AB012
103	F026V2DA018	104	F026V2GB018	102	F026V3BD018	104	F026V3FA018	102	F026V4AB018
103	F026V2DA030	104	F026V2GB030	102	F026V3BD030	104	F026V3FA030	102	F026V4AB030
103	F026V2DA033	104	F026V2GB033	102	F026V3BD033	104	F026V3FA033	102	F026V4AB033
103	F026V2DB001	104	F026V2GD001	103	F026V3CA001	104	F026V3FB001	102	F026V4AD001
103	F026V2DB006	104	F026V2GD006	103	F026V3CA006	104	F026V3FB006	102	F026V4AD006
103	F026V2DB012	104	F026V2GD012	103	F026V3CA012	104	F026V3FB012	102	F026V4AD012
103	F026V2DB018	104	F026V2GD018	103	F026V3CA018	104	F026V3FB018	102	F026V4AD018
103	F026V2DB030	104	F026V2GD030	103	F026V3CA030	104	F026V3FB030	102	F026V4AD030
103	F026V2DB033	104	F026V2GD033	103	F026V3CA033	104	F026V3FB033	102	F026V4AD033
103	F026V2DD001	104	F026V2HA001	103	F026V3CB001	104	F026V3FD001	102	F026V4BA001
103	F026V2DD006	104	F026V2HA006	103	F026V3CB006	104	F026V3FD006	102	F026V4BA006
103	F026V2DD012	104	F026V2HA012	103	F026V3CB012	104	F026V3FD012	102	F026V4BA012
103	F026V2DD018	104	F026V2HA018	103	F026V3CB018	104	F026V3FD018	102	F026V4BA018
103	F026V2DD030	104	F026V2HA030	103	F026V3CB030	104	F026V3FD030	102	F026V4BA030
103	F026V2DD033	104	F026V2HA033	103	F026V3CB033	104	F026V3FD033	102	F026V4BA033
103	F026V2EA001	104	F026V2HB001	103	F026V3CD001	104	F026V3GA001	102	F026V4BB001
103	F026V2EA006	104	F026V2HB006	103	F026V3CD006	104	F026V3GA006	102	F026V4BB006
103	F026V2EA012	104	F026V2HB012	103	F026V3CD012	104	F026V3GA012	102	F026V4BB012
103	F026V2EA018	104	F026V2HB018	103	F026V3CD018	104	F026V3GA018	102	F026V4BB018
103	F026V2EA030	104	F026V2HB030	103	F026V3CD030	104	F026V3GA030	102	F026V4BB030
103	F026V2EA033	104	F026V2HB033	103	F026V3CD033	104	F026V3GA033	102	F026V4BB033
103	F026V2EB001	104	F026V2HD001	103	F026V3DA001	104	F026V3GB001	102	F026V4BD001
103	F026V2EB006	104	F026V2HD006	103	F026V3DA006	104	F026V3GB006	102	F026V4BD006
103	F026V2EB012	104	F026V2HD012	103	F026V3DA012	104	F026V3GB012	102	F026V4BD012
103	F026V2EB018	104	F026V2HD018	103	F026V3DA018	104	F026V3GB018	102	F026V4BD018
103	F026V2EB030	104	F026V2HD030	103	F026V3DA030	104	F026V3GB030	102	F026V4BD030
103	F026V2EB033	104	F026V2HD033	103	F026V3DA033	104	F026V3GB033	102	F026V4BD033
103	F026V2ED001	102	F026V3AA001	103	F026V3DB001	104	F026V3GD001	103	F026V4CA001
103	F026V2ED006	102	F026V3AA006	103	F026V3DB006	104	F026V3GD006	103	F026V4CA006
103	F026V2ED012	102	F026V3AA012	103	F026V3DB012	104	F026V3GD012	103	F026V4CA012
103	F026V2ED018	102	F026V3AA018	103	F026V3DB018	104	F026V3GD018	103	F026V4CA018
103	F026V2ED030	102	F026V3AA030	103	F026V3DB030	104	F026V3GD030	103	F026V4CA030
103	F026V2ED033	102	F026V3AA033	103	F026V3DB033	104	F026V3GD033	103	F026V4CA033
104	F026V2FA001	102	F026V3AB001	103	F026V3DD001	104	F026V3HA001	103	F026V4CB001
104	F026V2FA006	102	F026V3AB006	103	F026V3DD006	104	F026V3HA006	103	F026V4CB006
104	F026V2FA012	102	F026V3AB012	103	F026V3DD012	104	F026V3HA012	103	F026V4CB012
104	F026V2FA018	102	F026V3AB018	103	F026V3DD018	104	F026V3HA018	103	F026V4CB018
104	F026V2FA030	102	F026V3AB030	103	F026V3DD030	104	F026V3HA030	103	F026V4CB030
104	F026V2FA033	102	F026V3AB033	103	F026V3DD033	104	F026V3HA033	103	F026V4CB033
104	F026V2FB001	102	F026V3AD001	103	F026V3EA001	104	F026V3HB001	103	F026V4CD001
104	F026V2FB006	102	F026V3AD006	103	F026V3EA006	104	F026V3HB006	103	F026V4CD006
104	F026V2FB012	102	F026V3AD012	103	F026V3EA012	104	F026V3HB012	103	F026V4CD012
104	F026V2FB018	102	F026V3AD018	103	F026V3EA018	104	F026V3HB018	103	F026V4CD018
104	F026V2FB030	102	F026V3AD030	103	F026V3EA030	104	F026V3HB030	103	F026V4CD030
104	F026V2FB033	102	F026V3AD033	103	F026V3EA033	104	F026V3HB033	103	F026V4CD033
104	F026V2FD001	102	F026V3BA001	103	F026V3EB001	104	F026V3HD001	103	F026V4DA001
104	F026V2FD006	102	F026V3BA006	103	F026V3EB006	104	F026V3HD006	103	F026V4DA006
104	F026V2FD012	102	F026V3BA012	103	F026V3EB012	104	F026V3HD012	103	F026V4DA012
104	F026V2FD018	102	F026V3BA018	103	F026V3EB018	104	F026V3HD018	103	F026V4DA018
104	F026V2FD030	102	F026V3BA030	103	F026V3EB030	104	F026V3HD030	103	F026V4DA030
104	F026V2FD033	102	F026V3BA033	103	F026V3EB033	104	F026V3HD033	103	F026V4DA033
104	F026V2GA001	102	F026V3BB001	103	F026V3ED001	102	F026V4AA001	103	F026V4DB001
104	F026V2GA006	102	F026V3BB006	103	F026V3ED006	102	F026V4AA006	103	F026V4DB006
104	F026V2GA012	102	F026V3BB012	103	F026V3ED012	102	F026V4AA012	103	F026V4DB012
104	F026V2GA018	102	F026V3BB018	103	F026V3ED018	102	F026V4AA018	103	F026V4DB018
104	F026V2GA030	102	F026V3BB030	103	F026V3ED030	102	F026V4AA030	103	F026V4DB030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
103	F026V4DB033	104	F026V4GD033	106	F026W2DA033	107	F026W2GB033	105	F026W3CD033
103	F026V4DD001	104	F026V4HA001	106	F026W2DB001	107	F026W2GD001	106	F026W3DA001
103	F026V4DD006	104	F026V4HA006	106	F026W2DB006	107	F026W2GD006	106	F026W3DA006
103	F026V4DD012	104	F026V4HA012	106	F026W2DB012	107	F026W2GD012	106	F026W3DA012
103	F026V4DD018	104	F026V4HA018	106	F026W2DB018	107	F026W2GD018	106	F026W3DA018
103	F026V4DD030	104	F026V4HA030	106	F026W2DB030	107	F026W2GD030	106	F026W3DA030
103	F026V4DD033	104	F026V4HA033	106	F026W2DB033	107	F026W2GD033	106	F026W3DA033
103	F026V4EA001	104	F026V4HB001	106	F026W2DD001	107	F026W2HA001	106	F026W3DB001
103	F026V4EA006	104	F026V4HB006	106	F026W2DD006	107	F026W2HA006	106	F026W3DB006
103	F026V4EA012	104	F026V4HB012	106	F026W2DD012	107	F026W2HA012	106	F026W3DB012
103	F026V4EA018	104	F026V4HB018	106	F026W2DD018	107	F026W2HA018	106	F026W3DB018
103	F026V4EA030	104	F026V4HB030	106	F026W2DD030	107	F026W2HA030	106	F026W3DB030
103	F026V4EA033	104	F026V4HB033	106	F026W2DD033	107	F026W2HA033	106	F026W3DB033
103	F026V4EB001	104	F026V4HD001	106	F026W2EA001	107	F026W2HB001	106	F026W3DD001
103	F026V4EB006	104	F026V4HD006	106	F026W2EA006	107	F026W2HB006	106	F026W3DD006
103	F026V4EB012	104	F026V4HD012	106	F026W2EA012	107	F026W2HB012	106	F026W3DD012
103	F026V4EB018	104	F026V4HD018	106	F026W2EA018	107	F026W2HB018	106	F026W3DD018
103	F026V4EB030	104	F026V4HD030	106	F026W2EA030	107	F026W2HB030	106	F026W3DD030
103	F026V4EB033	104	F026V4HD033	106	F026W2EA033	107	F026W2HB033	106	F026W3DD033
103	F026V4ED001	105	F026W2BA001	106	F026W2EB001	107	F026W2HD001	106	F026W3EA001
103	F026V4ED006	105	F026W2BA006	106	F026W2EB006	107	F026W2HD006	106	F026W3EA006
103	F026V4ED012	105	F026W2BA012	106	F026W2EB012	107	F026W2HD012	106	F026W3EA012
103	F026V4ED018	105	F026W2BA018	106	F026W2EB018	107	F026W2HD018	106	F026W3EA018
103	F026V4ED030	105	F026W2BA030	106	F026W2EB030	107	F026W2HD030	106	F026W3EA030
103	F026V4ED033	105	F026W2BA033	106	F026W2EB033	107	F026W2HD033	106	F026W3EA033
104	F026V4FA001	105	F026W2BB001	106	F026W2ED001	105	F026W3BA001	106	F026W3EB001
104	F026V4FA006	105	F026W2BB006	106	F026W2ED006	105	F026W3BA006	106	F026W3EB006
104	F026V4FA012	105	F026W2BB012	106	F026W2ED012	105	F026W3BA012	106	F026W3EB012
104	F026V4FA018	105	F026W2BB018	106	F026W2ED018	105	F026W3BA018	106	F026W3EB018
104	F026V4FA030	105	F026W2BB030	106	F026W2ED030	105	F026W3BA030	106	F026W3EB030
104	F026V4FA033	105	F026W2BB033	106	F026W2ED033	105	F026W3BA033	106	F026W3EB033
104	F026V4FB001	105	F026W2BD001	106	F026W2FA001	105	F026W3BB001	106	F026W3ED001
104	F026V4FB006	105	F026W2BD006	106	F026W2FA006	105	F026W3BB006	106	F026W3ED006
104	F026V4FB012	105	F026W2BD012	106	F026W2FA012	105	F026W3BB012	106	F026W3ED012
104	F026V4FB018	105	F026W2BD018	106	F026W2FA018	105	F026W3BB018	106	F026W3ED018
104	F026V4FB030	105	F026W2BD030	106	F026W2FA030	105	F026W3BB030	106	F026W3ED030
104	F026V4FB033	105	F026W2BD033	106	F026W2FA033	105	F026W3BB033	106	F026W3ED033
104	F026V4FD001	105	F026W2CA001	106	F026W2FB001	105	F026W3BD001	106	F026W3FA001
104	F026V4FD006	105	F026W2CA006	106	F026W2FB006	105	F026W3BD006	106	F026W3FA006
104	F026V4FD012	105	F026W2CA012	106	F026W2FB012	105	F026W3BD012	106	F026W3FA012
104	F026V4FD018	105	F026W2CA018	106	F026W2FB018	105	F026W3BD018	106	F026W3FA018
104	F026V4FD030	105	F026W2CA030	106	F026W2FB030	105	F026W3BD030	106	F026W3FA030
104	F026V4FD033	105	F026W2CA033	106	F026W2FB033	105	F026W3BD033	106	F026W3FA033
104	F026V4GA001	105	F026W2CB001	106	F026W2FD001	105	F026W3CA001	106	F026W3FB001
104	F026V4GA006	105	F026W2CB006	106	F026W2FD006	105	F026W3CA006	106	F026W3FB006
104	F026V4GA012	105	F026W2CB012	106	F026W2FD012	105	F026W3CA012	106	F026W3FB012
104	F026V4GA018	105	F026W2CB018	106	F026W2FD018	105	F026W3CA018	106	F026W3FB018
104	F026V4GA030	105	F026W2CB030	106	F026W2FD030	105	F026W3CA030	106	F026W3FB030
104	F026V4GA033	105	F026W2CB033	106	F026W2FD033	105	F026W3CA033	106	F026W3FB033
104	F026V4GB001	105	F026W2CD001	107	F026W2GA001	105	F026W3CB001	106	F026W3FD001
104	F026V4GB006	105	F026W2CD006	107	F026W2GA006	105	F026W3CB006	106	F026W3FD006
104	F026V4GB012	105	F026W2CD012	107	F026W2GA012	105	F026W3CB012	106	F026W3FD012
104	F026V4GB018	105	F026W2CD018	107	F026W2GA018	105	F026W3CB018	106	F026W3FD018
104	F026V4GB030	105	F026W2CD030	107	F026W2GA030	105	F026W3CB030	106	F026W3FD030
104	F026V4GB033	105	F026W2CD033	107	F026W2GA033	105	F026W3CB033	106	F026W3FD033
104	F026V4GD001	106	F026W2DA001	107	F026W2GB001	105	F026W3CD001	107	F026W3GA001
104	F026V4GD006	106	F026W2DA006	107	F026W2GB006	105	F026W3CD006	107	F026W3GA006
104	F026V4GD012	106	F026W2DA012	107	F026W2GB012	105	F026W3CD012	107	F026W3GA012
104	F026V4GD018	106	F026W2DA018	107	F026W2GB018	105	F026W3CD018	107	F026W3GA018
104	F026V4GD030	106	F026W2DA030	107	F026W2GB030	105	F026W3CD030	107	F026W3GA030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
107	F026W3GA033	105	F026W4CB033	106	F026W4FD033	155	F026Z210006	126	F02713CA018
107	F026W3GB001	105	F026W4CD001	107	F026W4GA001	155	F026Z210018	126	F02713CA030
107	F026W3GB006	105	F026W4CD006	107	F026W4GA006	155	F026Z210033	126	F02713CA033
107	F026W3GB012	105	F026W4CD012	107	F026W4GA012	155	F026Z220006	126	F02713DA001
107	F026W3GB018	105	F026W4CD018	107	F026W4GA018	155	F026Z220018	126	F02713DA006
107	F026W3GB030	105	F026W4CD030	107	F026W4GA030	155	F026Z220033	126	F02713DA012
107	F026W3GB033	105	F026W4CD033	107	F026W4GA033	155	F026Z230006	126	F02713DA018
107	F026W3GD001	106	F026W4DA001	107	F026W4GB001	155	F026Z230018	126	F02713DA030
107	F026W3GD006	106	F026W4DA006	107	F026W4GB006	155	F026Z230033	126	F02713DA033
107	F026W3GD012	106	F026W4DA012	107	F026W4GB012	126	F02712BA001	126	F02713EA001
107	F026W3GD018	106	F026W4DA018	107	F026W4GB018	126	F02712BA006	126	F02713EA006
107	F026W3GD030	106	F026W4DA030	107	F026W4GB030	126	F02712BA012	126	F02713EA012
107	F026W3GD033	106	F026W4DA033	107	F026W4GB033	126	F02712BA018	126	F02713EA018
107	F026W3HA001	106	F026W4DB001	107	F026W4GD001	126	F02712BA030	126	F02713EA030
107	F026W3HA006	106	F026W4DB006	107	F026W4GD006	126	F02712BA033	126	F02713EA033
107	F026W3HA012	106	F026W4DB012	107	F026W4GD012	126	F02712CA001	127	F02713FA001
107	F026W3HA018	106	F026W4DB018	107	F026W4GD018	126	F02712CA006	127	F02713FA006
107	F026W3HA030	106	F026W4DB030	107	F026W4GD030	126	F02712CA012	127	F02713FA012
107	F026W3HA033	106	F026W4DB033	107	F026W4GD033	126	F02712CA018	127	F02713FA018
107	F026W3HB001	106	F026W4DD001	107	F026W4HA001	126	F02712CA030	127	F02713FA030
107	F026W3HB006	106	F026W4DD006	107	F026W4HA006	126	F02712CA033	127	F02713FA033
107	F026W3HB012	106	F026W4DD012	107	F026W4HA012	126	F02712DA001	127	F02713GA001
107	F026W3HB018	106	F026W4DD018	107	F026W4HA018	126	F02712DA006	127	F02713GA006
107	F026W3HB030	106	F026W4DD030	107	F026W4HA030	126	F02712DA012	127	F02713GA012
107	F026W3HB033	106	F026W4DD033	107	F026W4HA033	126	F02712DA018	127	F02713GA018
107	F026W3HD001	106	F026W4EA001	107	F026W4HB001	126	F02712DA030	127	F02713GA030
107	F026W3HD006	106	F026W4EA006	107	F026W4HB006	126	F02712DA033	127	F02713GA033
107	F026W3HD012	106	F026W4EA012	107	F026W4HB012	126	F02712EA001	127	F02713HA001
107	F026W3HD018	106	F026W4EA018	107	F026W4HB018	126	F02712EA006	127	F02713HA006
107	F026W3HD030	106	F026W4EA030	107	F026W4HB030	126	F02712EA012	127	F02713HA012
107	F026W3HD033	106	F026W4EA033	107	F026W4HB033	126	F02712EA018	127	F02713HA018
105	F026W4BA001	106	F026W4EB001	107	F026W4HD001	126	F02712EA030	127	F02713HA030
105	F026W4BA006	106	F026W4EB006	107	F026W4HD006	126	F02712EA033	127	F02713HA033
105	F026W4BA012	106	F026W4EB012	107	F026W4HD012	127	F02712FA001	126	F02714BA001
105	F026W4BA018	106	F026W4EB018	107	F026W4HD018	127	F02712FA006	126	F02714BA006
105	F026W4BA030	106	F026W4EB030	107	F026W4HD030	127	F02712FA012	126	F02714BA012
105	F026W4BA033	106	F026W4EB033	107	F026W4HD033	127	F02712FA018	126	F02714BA018
105	F026W4BB001	106	F026W4ED001	51	F026Z010000	127	F02712FA030	126	F02714BA030
105	F026W4BB006	106	F026W4ED006	64	F026Z020001	127	F02712FA033	126	F02714BA033
105	F026W4BB012	106	F026W4ED012	64	F026Z020006	127	F02712GA001	126	F02714CA001
105	F026W4BB018	106	F026W4ED018	64	F026Z020012	127	F02712GA006	126	F02714CA006
105	F026W4BB030	106	F026W4ED030	64	F026Z020018	127	F02712GA012	126	F02714CA012
105	F026W4BB033	106	F026W4ED033	64	F026Z020030	127	F02712GA018	126	F02714CA018
105	F026W4BD001	106	F026W4FA001	64	F026Z020033	127	F02712GA030	126	F02714CA030
105	F026W4BD006	106	F026W4FA006	64	F026Z030001	127	F02712GA033	126	F02714CA033
105	F026W4BD012	106	F026W4FA012	64	F026Z030006	127	F02712HA001	126	F02714DA001
105	F026W4BD018	106	F026W4FA018	64	F026Z030012	127	F02712HA006	126	F02714DA006
105	F026W4BD030	106	F026W4FA030	64	F026Z030018	127	F02712HA012	126	F02714DA012
105	F026W4BD033	106	F026W4FA033	64	F026Z030030	127	F02712HA018	126	F02714DA018
105	F026W4CA001	106	F026W4FB001	64	F026Z030033	127	F02712HA030	126	F02714DA030
105	F026W4CA006	106	F026W4FB006	57	F026Z050001	127	F02712HA033	126	F02714DA033
105	F026W4CA012	106	F026W4FB012	57	F026Z050006	126	F02713BA001	126	F02714EA001
105	F026W4CA018	106	F026W4FB018	57	F026Z050012	126	F02713BA006	126	F02714EA006
105	F026W4CA030	106	F026W4FB030	57	F026Z050018	126	F02713BA012	126	F02714EA012
105	F026W4CA033	106	F026W4FB033	57	F026Z050030	126	F02713BA018	126	F02714EA018
105	F026W4CB001	106	F026W4FD001	57	F026Z050033	126	F02713BA030	126	F02714EA030
105	F026W4CB006	106	F026W4FD006	37	F026Z060000	126	F02713BA033	126	F02714EA033
105	F026W4CB012	106	F026W4FD012	155	F026Z200006	126	F02713CA001	127	F02714FA001
105	F026W4CB018	106	F026W4FD018	155	F026Z200018	126	F02713CA006	127	F02714FA006
105	F026W4CB030	106	F026W4FD030	155	F026Z200033	126	F02713CA012	127	F02714FA012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
127	F02714FA018	124	F02753BA018	124	F02754EA018	33	F027B2HA018	32	F027B4DA018
127	F02714FA030	124	F02753BA030	124	F02754EA030	33	F027B2HA030	32	F027B4DA030
127	F02714FA033	124	F02753BA033	124	F02754EA033	33	F027B2HA033	32	F027B4DA033
127	F02714GA001	124	F02753CA001	125	F02754FA001	32	F027B3BA001	32	F027B4EA001
127	F02714GA006	124	F02753CA006	125	F02754FA006	32	F027B3BA006	32	F027B4EA006
127	F02714GA012	124	F02753CA012	125	F02754FA012	32	F027B3BA012	32	F027B4EA012
127	F02714GA018	124	F02753CA018	125	F02754FA018	32	F027B3BA018	32	F027B4EA018
127	F02714GA030	124	F02753CA030	125	F02754FA030	32	F027B3BA030	32	F027B4EA030
127	F02714GA033	124	F02753CA033	125	F02754FA033	32	F027B3BA033	32	F027B4EA033
127	F02714HA001	124	F02753DA001	125	F02754GA001	32	F027B3CA001	33	F027B4FA001
127	F02714HA006	124	F02753DA006	125	F02754GA006	32	F027B3CA006	33	F027B4FA006
127	F02714HA012	124	F02753DA012	125	F02754GA012	32	F027B3CA012	33	F027B4FA012
127	F02714HA018	124	F02753DA018	125	F02754GA018	32	F027B3CA018	33	F027B4FA018
127	F02714HA030	124	F02753DA030	125	F02754GA030	32	F027B3CA030	33	F027B4FA030
127	F02714HA033	124	F02753DA033	125	F02754GA033	32	F027B3CA033	33	F027B4FA033
124	F02752BA001	124	F02753EA001	125	F02754HA001	32	F027B3DA001	33	F027B4GA001
124	F02752BA006	124	F02753EA006	125	F02754HA006	32	F027B3DA006	33	F027B4GA006
124	F02752BA012	124	F02753EA012	125	F02754HA012	32	F027B3DA012	33	F027B4GA012
124	F02752BA018	124	F02753EA018	125	F02754HA018	32	F027B3DA018	33	F027B4GA018
124	F02752BA030	124	F02753EA030	125	F02754HA030	32	F027B3DA030	33	F027B4GA030
124	F02752BA033	124	F02753EA033	125	F02754HA033	32	F027B3DA033	33	F027B4GA033
124	F02752CA001	125	F02753FA001	32	F027B2BA001	32	F027B3EA001	33	F027B4HA001
124	F02752CA006	125	F02753FA006	32	F027B2BA006	32	F027B3EA006	33	F027B4HA006
124	F02752CA012	125	F02753FA012	32	F027B2BA012	32	F027B3EA012	33	F027B4HA012
124	F02752CA018	125	F02753FA018	32	F027B2BA018	32	F027B3EA018	33	F027B4HA018
124	F02752CA030	125	F02753FA030	32	F027B2BA030	32	F027B3EA030	33	F027B4HA030
124	F02752CA033	125	F02753FA033	32	F027B2BA033	32	F027B3EA033	33	F027B4HA033
124	F02752DA001	125	F02753GA001	32	F027B2CA001	33	F027B3FA001	30	F027D2BA001
124	F02752DA006	125	F02753GA006	32	F027B2CA006	33	F027B3FA006	30	F027D2BA006
124	F02752DA012	125	F02753GA012	32	F027B2CA012	33	F027B3FA012	30	F027D2BA012
124	F02752DA018	125	F02753GA018	32	F027B2CA018	33	F027B3FA018	30	F027D2BA018
124	F02752DA030	125	F02753GA030	32	F027B2CA030	33	F027B3FA030	30	F027D2BA030
124	F02752DA033	125	F02753GA033	32	F027B2CA033	33	F027B3FA033	30	F027D2BA033
124	F02752EA001	125	F02753HA001	32	F027B2DA001	33	F027B3GA001	30	F027D2CA001
124	F02752EA006	125	F02753HA006	32	F027B2DA006	33	F027B3GA006	30	F027D2CA006
124	F02752EA012	125	F02753HA012	32	F027B2DA012	33	F027B3GA012	30	F027D2CA012
124	F02752EA018	125	F02753HA018	32	F027B2DA018	33	F027B3GA018	30	F027D2CA018
124	F02752EA030	125	F02753HA030	32	F027B2DA030	33	F027B3GA030	30	F027D2CA030
124	F02752EA033	125	F02753HA033	32	F027B2DA033	33	F027B3GA033	30	F027D2CA033
125	F02752FA001	124	F02754BA001	32	F027B2EA001	33	F027B3HA001	30	F027D2DA001
125	F02752FA006	124	F02754BA006	32	F027B2EA006	33	F027B3HA006	30	F027D2DA006
125	F02752FA012	124	F02754BA012	32	F027B2EA012	33	F027B3HA012	30	F027D2DA012
125	F02752FA018	124	F02754BA018	32	F027B2EA018	33	F027B3HA018	30	F027D2DA018
125	F02752FA030	124	F02754BA030	32	F027B2EA030	33	F027B3HA030	30	F027D2DA030
125	F02752FA033	124	F02754BA033	32	F027B2EA033	33	F027B3HA033	30	F027D2DA033
125	F02752GA001	124	F02754CA001	33	F027B2FA001	32	F027B4BA001	30	F027D2EA001
125	F02752GA006	124	F02754CA006	33	F027B2FA006	32	F027B4BA006	30	F027D2EA006
125	F02752GA012	124	F02754CA012	33	F027B2FA012	32	F027B4BA012	30	F027D2EA012
125	F02752GA018	124	F02754CA018	33	F027B2FA018	32	F027B4BA018	30	F027D2EA018
125	F02752GA030	124	F02754CA030	33	F027B2FA030	32	F027B4BA030	30	F027D2EA030
125	F02752GA033	124	F02754CA033	33	F027B2FA033	32	F027B4BA033	30	F027D2EA033
125	F02752HA001	124	F02754DA001	33	F027B2GA001	32	F027B4CA001	31	F027D2FA001
125	F02752HA006	124	F02754DA006	33	F027B2GA006	32	F027B4CA006	31	F027D2FA006
125	F02752HA012	124	F02754DA012	33	F027B2GA012	32	F027B4CA012	31	F027D2FA012
125	F02752HA018	124	F02754DA018	33	F027B2GA018	32	F027B4CA018	31	F027D2FA018
125	F02752HA030	124	F02754DA030	33	F027B2GA030	32	F027B4CA030	31	F027D2FA030
125	F02752HA033	124	F02754DA033	33	F027B2GA033	32	F027B4CA033	31	F027D2FA033
124	F02753BA001	124	F02754EA001	33	F027B2HA001	32	F027B4DA001	31	F027D2GA001
124	F02753BA006	124	F02754EA006	33	F027B2HA006	32	F027B4DA006	31	F027D2GA006
124	F02753BA012	124	F02754EA012	33	F027B2HA012	32	F027B4DA012	31	F027D2GA012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
31	F027D2GA018	30	F027D4CA018	63	F027G2FA018	62	F027G4BA018	60	F027L2EA018
31	F027D2GA030	30	F027D4CA030	63	F027G2FA030	62	F027G4BA030	60	F027L2EA030
31	F027D2GA033	30	F027D4CA033	63	F027G2FA033	62	F027G4BA033	60	F027L2EA033
31	F027D2HA001	30	F027D4DA001	63	F027G2GA001	62	F027G4CA001	61	F027L2FA001
31	F027D2HA006	30	F027D4DA006	63	F027G2GA006	62	F027G4CA006	61	F027L2FA006
31	F027D2HA012	30	F027D4DA012	63	F027G2GA012	62	F027G4CA012	61	F027L2FA012
31	F027D2HA018	30	F027D4DA018	63	F027G2GA018	62	F027G4CA018	61	F027L2FA018
31	F027D2HA030	30	F027D4DA030	63	F027G2GA030	62	F027G4CA030	61	F027L2FA030
31	F027D2HA033	30	F027D4DA033	63	F027G2GA033	62	F027G4CA033	61	F027L2FA033
30	F027D3BA001	30	F027D4EA001	63	F027G2HA001	62	F027G4DA001	61	F027L2GA001
30	F027D3BA006	30	F027D4EA006	63	F027G2HA006	62	F027G4DA006	61	F027L2GA006
30	F027D3BA012	30	F027D4EA012	63	F027G2HA012	62	F027G4DA012	61	F027L2GA012
30	F027D3BA018	30	F027D4EA018	63	F027G2HA018	62	F027G4DA018	61	F027L2GA018
30	F027D3BA030	30	F027D4EA030	63	F027G2HA030	62	F027G4DA030	61	F027L2GA030
30	F027D3BA033	30	F027D4EA033	63	F027G2HA033	62	F027G4DA033	61	F027L2GA033
30	F027D3CA001	31	F027D4FA001	62	F027G3BA001	62	F027G4EA001	61	F027L2HA001
30	F027D3CA006	31	F027D4FA006	62	F027G3BA006	62	F027G4EA006	61	F027L2HA006
30	F027D3CA012	31	F027D4FA012	62	F027G3BA012	62	F027G4EA012	61	F027L2HA012
30	F027D3CA018	31	F027D4FA018	62	F027G3BA018	62	F027G4EA018	61	F027L2HA018
30	F027D3CA030	31	F027D4FA030	62	F027G3BA030	62	F027G4EA030	61	F027L2HA030
30	F027D3CA033	31	F027D4FA033	62	F027G3BA033	62	F027G4EA033	61	F027L2HA033
30	F027D3DA001	31	F027D4GA001	62	F027G3CA001	63	F027G4FA001	60	F027L3BA001
30	F027D3DA006	31	F027D4GA006	62	F027G3CA006	63	F027G4FA006	60	F027L3BA006
30	F027D3DA012	31	F027D4GA012	62	F027G3CA012	63	F027G4FA012	60	F027L3BA012
30	F027D3DA018	31	F027D4GA018	62	F027G3CA018	63	F027G4FA018	60	F027L3BA018
30	F027D3DA030	31	F027D4GA030	62	F027G3CA030	63	F027G4FA030	60	F027L3BA030
30	F027D3DA033	31	F027D4GA033	62	F027G3CA033	63	F027G4FA033	60	F027L3BA033
30	F027D3EA001	31	F027D4HA001	62	F027G3DA001	63	F027G4GA001	60	F027L3CA001
30	F027D3EA006	31	F027D4HA006	62	F027G3DA006	63	F027G4GA006	60	F027L3CA006
30	F027D3EA012	31	F027D4HA012	62	F027G3DA012	63	F027G4GA012	60	F027L3CA012
30	F027D3EA018	31	F027D4HA018	62	F027G3DA018	63	F027G4GA018	60	F027L3CA018
30	F027D3EA030	31	F027D4HA030	62	F027G3DA030	63	F027G4GA030	60	F027L3CA030
30	F027D3EA033	31	F027D4HA033	62	F027G3DA033	63	F027G4GA033	60	F027L3CA033
31	F027D3FA001	62	F027G2BA001	62	F027G3EA001	63	F027G4HA001	60	F027L3DA001
31	F027D3FA006	62	F027G2BA006	62	F027G3EA006	63	F027G4HA006	60	F027L3DA006
31	F027D3FA012	62	F027G2BA012	62	F027G3EA012	63	F027G4HA012	60	F027L3DA012
31	F027D3FA018	62	F027G2BA018	62	F027G3EA018	63	F027G4HA018	60	F027L3DA018
31	F027D3FA030	62	F027G2BA030	62	F027G3EA030	63	F027G4HA030	60	F027L3DA030
31	F027D3FA033	62	F027G2BA033	62	F027G3EA033	63	F027G4HA033	60	F027L3DA033
31	F027D3GA001	62	F027G2CA001	63	F027G3FA001	60	F027L2BA001	60	F027L3EA001
31	F027D3GA006	62	F027G2CA006	63	F027G3FA006	60	F027L2BA006	60	F027L3EA006
31	F027D3GA012	62	F027G2CA012	63	F027G3FA012	60	F027L2BA012	60	F027L3EA012
31	F027D3GA018	62	F027G2CA018	63	F027G3FA018	60	F027L2BA018	60	F027L3EA018
31	F027D3GA030	62	F027G2CA030	63	F027G3FA030	60	F027L2BA030	60	F027L3EA030
31	F027D3GA033	62	F027G2CA033	63	F027G3FA033	60	F027L2BA033	60	F027L3EA033
31	F027D3HA001	62	F027G2DA001	63	F027G3GA001	60	F027L2CA001	61	F027L3FA001
31	F027D3HA006	62	F027G2DA006	63	F027G3GA006	60	F027L2CA006	61	F027L3FA006
31	F027D3HA012	62	F027G2DA012	63	F027G3GA012	60	F027L2CA012	61	F027L3FA012
31	F027D3HA018	62	F027G2DA018	63	F027G3GA018	60	F027L2CA018	61	F027L3FA018
31	F027D3HA030	62	F027G2DA030	63	F027G3GA030	60	F027L2CA030	61	F027L3FA030
31	F027D3HA033	62	F027G2DA033	63	F027G3GA033	60	F027L2CA033	61	F027L3FA033
30	F027D4BA001	62	F027G2EA001	63	F027G3HA001	60	F027L2DA001	61	F027L3GA001
30	F027D4BA006	62	F027G2EA006	63	F027G3HA006	60	F027L2DA006	61	F027L3GA006
30	F027D4BA012	62	F027G2EA012	63	F027G3HA012	60	F027L2DA012	61	F027L3GA012
30	F027D4BA018	62	F027G2EA018	63	F027G3HA018	60	F027L2DA018	61	F027L3GA018
30	F027D4BA030	62	F027G2EA030	63	F027G3HA030	60	F027L2DA030	61	F027L3GA030
30	F027D4BA033	62	F027G2EA033	63	F027G3HA033	60	F027L2DA033	61	F027L3GA033
30	F027D4CA001	63	F027G2FA001	62	F027G4BA001	60	F027L2EA001	61	F027L3HA001
30	F027D4CA006	63	F027G2FA006	62	F027G4BA006	60	F027L2EA006	61	F027L3HA006
30	F027D4CA012	63	F027G2FA012	62	F027G4BA012	60	F027L2EA012	61	F027L3HA012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
61	F027L3HA018	47	F029Z020000	233	F030A23B030	233	F030A33B006	233	F030A43A033
61	F027L3HA030	47	F029Z021000	233	F030A23B033	233	F030A33B012	233	F030A43B000
61	F027L3HA033	47	F029Z022000	233	F030A23D000	233	F030A33B018	233	F030A43B001
60	F027L4BA001	47	F029Z023000	233	F030A23D001	233	F030A33B030	233	F030A43B006
60	F027L4BA006	47	F029Z024000	233	F030A23D006	233	F030A33B033	233	F030A43B012
60	F027L4BA012	47	F029Z025000	233	F030A23D012	233	F030A33D000	233	F030A43B018
60	F027L4BA018	232	F030A21A000	233	F030A23D018	233	F030A33D001	233	F030A43B030
60	F027L4BA030	232	F030A21A001	233	F030A23D030	233	F030A33D006	233	F030A43B033
60	F027L4BA033	232	F030A21A006	233	F030A23D033	233	F030A33D012	233	F030A43D000
60	F027L4CA001	232	F030A21A012	232	F030A31A000	233	F030A33D018	233	F030A43D001
60	F027L4CA006	232	F030A21A018	232	F030A31A001	233	F030A33D030	233	F030A43D006
60	F027L4CA012	232	F030A21A030	232	F030A31A006	233	F030A33D033	233	F030A43D012
60	F027L4CA018	232	F030A21A033	232	F030A31A012	232	F030A41A000	233	F030A43D018
60	F027L4CA030	232	F030A21B000	232	F030A31A018	232	F030A41A001	233	F030A43D030
60	F027L4CA033	232	F030A21B001	232	F030A31A030	232	F030A41A006	233	F030A43D033
60	F027L4DA001	232	F030A21B006	232	F030A31A033	232	F030A41A012	236	F030B21A000
60	F027L4DA006	232	F030A21B012	232	F030A31B000	232	F030A41A018	236	F030B21A001
60	F027L4DA012	232	F030A21B018	232	F030A31B001	232	F030A41A030	236	F030B21A006
60	F027L4DA018	232	F030A21B030	232	F030A31B006	232	F030A41A033	236	F030B21A012
60	F027L4DA030	232	F030A21B033	232	F030A31B012	232	F030A41B000	236	F030B21A018
60	F027L4DA033	232	F030A21D000	232	F030A31B018	232	F030A41B001	236	F030B21A030
60	F027L4EA001	232	F030A21D001	232	F030A31B030	232	F030A41B006	236	F030B21A033
60	F027L4EA006	232	F030A21D006	232	F030A31B033	232	F030A41B012	236	F030B21B000
60	F027L4EA012	232	F030A21D012	232	F030A31D000	232	F030A41B018	236	F030B21B001
60	F027L4EA018	232	F030A21D018	232	F030A31D001	232	F030A41B030	236	F030B21B006
60	F027L4EA030	232	F030A21D030	232	F030A31D006	232	F030A41B033	236	F030B21B012
60	F027L4EA033	232	F030A21D033	232	F030A31D012	232	F030A41D000	236	F030B21B018
61	F027L4FA001	232	F030A22A000	232	F030A31D018	232	F030A41D001	236	F030B21B030
61	F027L4FA006	232	F030A22A001	232	F030A31D030	232	F030A41D006	236	F030B21B033
61	F027L4FA012	232	F030A22A006	232	F030A31D033	232	F030A41D012	236	F030B21D000
61	F027L4FA018	232	F030A22A012	232	F030A32A000	232	F030A41D018	236	F030B21D001
61	F027L4FA030	232	F030A22A018	232	F030A32A001	232	F030A41D030	236	F030B21D006
61	F027L4FA033	232	F030A22A030	232	F030A32A006	232	F030A41D033	236	F030B21D012
61	F027L4GA001	232	F030A22A033	232	F030A32A012	232	F030A42A000	236	F030B21D018
61	F027L4GA006	232	F030A22B000	232	F030A32A018	232	F030A42A001	236	F030B21D030
61	F027L4GA012	232	F030A22B001	232	F030A32A030	232	F030A42A006	236	F030B21D033
61	F027L4GA018	232	F030A22B006	232	F030A32A033	232	F030A42A012	236	F030B22A000
61	F027L4GA030	232	F030A22B012	232	F030A32B000	232	F030A42A018	236	F030B22A001
61	F027L4GA033	232	F030A22B018	232	F030A32B001	232	F030A42A030	236	F030B22A006
61	F027L4HA001	232	F030A22B030	232	F030A32B006	232	F030A42A033	236	F030B22A012
61	F027L4HA006	232	F030A22B033	232	F030A32B012	232	F030A42B000	236	F030B22A018
61	F027L4HA012	232	F030A22D000	232	F030A32B018	232	F030A42B001	236	F030B22A030
61	F027L4HA018	232	F030A22D001	232	F030A32B030	232	F030A42B006	236	F030B22A033
61	F027L4HA030	232	F030A22D006	232	F030A32B033	232	F030A42B012	236	F030B22B000
61	F027L4HA033	232	F030A22D012	232	F030A32D000	232	F030A42B018	236	F030B22B001
35	F027Z010000	232	F030A22D018	232	F030A32D001	232	F030A42B030	236	F030B22B006
34	F027Z010000	232	F030A22D030	232	F030A32D006	232	F030A42B033	236	F030B22B012
35	F027Z050001	232	F030A22D033	232	F030A32D012	232	F030A42D000	236	F030B22B018
35	F027Z050006	233	F030A23A000	232	F030A32D018	232	F030A42D001	236	F030B22B030
35	F027Z050012	233	F030A23A001	232	F030A32D030	232	F030A42D006	236	F030B22B033
35	F027Z050018	233	F030A23A006	232	F030A32D033	232	F030A42D012	236	F030B22D000
35	F027Z050030	233	F030A23A012	233	F030A33A000	232	F030A42D018	236	F030B22D001
35	F027Z050033	233	F030A23A018	233	F030A33A001	232	F030A42D030	236	F030B22D006
34	F027Z060000	233	F030A23A030	233	F030A33A006	232	F030A42D033	236	F030B22D012
34	F029Z010000	233	F030A23A033	233	F030A33A012	233	F030A43A000	236	F030B22D018
34	F029Z011000	233	F030A23B000	233	F030A33A018	233	F030A43A001	236	F030B22D030
34	F029Z012000	233	F030A23B001	233	F030A33A030	233	F030A43A006	236	F030B22D033
34	F029Z013000	233	F030A23B006	233	F030A33A033	233	F030A43A012	237	F030B23A000
34	F029Z014000	233	F030A23B012	233	F030A33B000	233	F030A43A018	237	F030B23A001
34	F029Z015000	233	F030A23B018	233	F030A33B001	233	F030A43A030	237	F030B23A006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
237	F030B23A012	237	F030B33A000	236	F030B42D018	234	F030C22D001	234	F030C32B030
237	F030B23A018	237	F030B33A001	236	F030B42D030	234	F030C22D006	234	F030C32B033
237	F030B23A030	237	F030B33A006	236	F030B42D033	234	F030C22D012	234	F030C32D000
237	F030B23A033	237	F030B33A012	237	F030B43A000	234	F030C22D018	234	F030C32D001
237	F030B23B000	237	F030B33A018	237	F030B43A001	234	F030C22D030	234	F030C32D006
237	F030B23B001	237	F030B33A030	237	F030B43A006	234	F030C22D033	234	F030C32D012
237	F030B23B006	237	F030B33A033	237	F030B43A012	235	F030C23A000	234	F030C32D018
237	F030B23B012	237	F030B33B000	237	F030B43A018	235	F030C23A001	234	F030C32D030
237	F030B23B018	237	F030B33B001	237	F030B43A030	235	F030C23A006	234	F030C32D033
237	F030B23B030	237	F030B33B006	237	F030B43A033	235	F030C23A012	235	F030C33A000
237	F030B23B033	237	F030B33B012	237	F030B43B000	235	F030C23A018	235	F030C33A001
237	F030B23D000	237	F030B33B018	237	F030B43B001	235	F030C23A030	235	F030C33A006
237	F030B23D001	237	F030B33B030	237	F030B43B006	235	F030C23A033	235	F030C33A012
237	F030B23D006	237	F030B33B033	237	F030B43B012	235	F030C23B000	235	F030C33A018
237	F030B23D012	237	F030B33D000	237	F030B43B018	235	F030C23B001	235	F030C33A030
237	F030B23D018	237	F030B33D001	237	F030B43B030	235	F030C23B006	235	F030C33A033
237	F030B23D030	237	F030B33D006	237	F030B43B033	235	F030C23B012	235	F030C33B000
237	F030B23D033	237	F030B33D012	237	F030B43D000	235	F030C23B018	235	F030C33B001
236	F030B31A000	237	F030B33D018	237	F030B43D001	235	F030C23B030	235	F030C33B006
236	F030B31A001	237	F030B33D030	237	F030B43D006	235	F030C23B033	235	F030C33B012
236	F030B31A006	237	F030B33D033	237	F030B43D012	235	F030C23D000	235	F030C33B018
236	F030B31A012	236	F030B41A000	237	F030B43D018	235	F030C23D001	235	F030C33B030
236	F030B31A018	236	F030B41A001	237	F030B43D030	235	F030C23D006	235	F030C33B033
236	F030B31A030	236	F030B41A006	237	F030B43D033	235	F030C23D012	235	F030C33D000
236	F030B31A033	236	F030B41A012	234	F030C21A000	235	F030C23D018	235	F030C33D001
236	F030B31B000	236	F030B41A018	234	F030C21A001	235	F030C23D030	235	F030C33D006
236	F030B31B001	236	F030B41A030	234	F030C21A006	235	F030C23D033	235	F030C33D012
236	F030B31B006	236	F030B41A033	234	F030C21A012	234	F030C31A000	235	F030C33D018
236	F030B31B012	236	F030B41B000	234	F030C21A018	234	F030C31A001	235	F030C33D030
236	F030B31B018	236	F030B41B001	234	F030C21A030	234	F030C31A006	235	F030C33D033
236	F030B31B030	236	F030B41B006	234	F030C21A033	234	F030C31A012	234	F030C41A000
236	F030B31B033	236	F030B41B012	234	F030C21B000	234	F030C31A018	234	F030C41A001
236	F030B31D000	236	F030B41B018	234	F030C21B001	234	F030C31A030	234	F030C41A006
236	F030B31D001	236	F030B41B030	234	F030C21B006	234	F030C31A033	234	F030C41A012
236	F030B31D006	236	F030B41B033	234	F030C21B012	234	F030C31B000	234	F030C41A018
236	F030B31D012	236	F030B41D000	234	F030C21B018	234	F030C31B001	234	F030C41A030
236	F030B31D018	236	F030B41D001	234	F030C21B030	234	F030C31B006	234	F030C41A033
236	F030B31D030	236	F030B41D006	234	F030C21B033	234	F030C31B012	234	F030C41B000
236	F030B31D033	236	F030B41D012	234	F030C21D000	234	F030C31B018	234	F030C41B001
236	F030B32A000	236	F030B41D018	234	F030C21D001	234	F030C31B030	234	F030C41B006
236	F030B32A001	236	F030B41D030	234	F030C21D006	234	F030C31B033	234	F030C41B012
236	F030B32A006	236	F030B41D033	234	F030C21D012	234	F030C31D000	234	F030C41B018
236	F030B32A012	236	F030B42A000	234	F030C21D018	234	F030C31D001	234	F030C41B030
236	F030B32A018	236	F030B42A001	234	F030C21D030	234	F030C31D006	234	F030C41B033
236	F030B32A030	236	F030B42A006	234	F030C21D033	234	F030C31D012	234	F030C41D000
236	F030B32A033	236	F030B42A012	234	F030C22A000	234	F030C31D018	234	F030C41D001
236	F030B32B000	236	F030B42A018	234	F030C22A001	234	F030C31D030	234	F030C41D006
236	F030B32B001	236	F030B42A030	234	F030C22A006	234	F030C31D033	234	F030C41D012
236	F030B32B006	236	F030B42A033	234	F030C22A012	234	F030C32A000	234	F030C41D018
236	F030B32B012	236	F030B42B000	234	F030C22A018	234	F030C32A001	234	F030C41D030
236	F030B32B018	236	F030B42B001	234	F030C22A030	234	F030C32A006	234	F030C41D033
236	F030B32B030	236	F030B42B006	234	F030C22A033	234	F030C32A012	234	F030C42A000
236	F030B32B033	236	F030B42B012	234	F030C22B000	234	F030C32A018	234	F030C42A001
236	F030B32D000	236	F030B42B018	234	F030C22B001	234	F030C32A030	234	F030C42A006
236	F030B32D001	236	F030B42B030	234	F030C22B006	234	F030C32A033	234	F030C42A012
236	F030B32D006	236	F030B42B033	234	F030C22B012	234	F030C32B000	234	F030C42A018
236	F030B32D012	236	F030B42D000	234	F030C22B018	234	F030C32B001	234	F030C42A030
236	F030B32D018	236	F030B42D001	234	F030C22B030	234	F030C32B006	234	F030C42A033
236	F030B32D030	236	F030B42D006	234	F030C22B033	234	F030C32B012	234	F030C42B000
236	F030B32D033	236	F030B42D012	234	F030C22D000	234	F030C32B018	234	F030C42B001

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
234	F030C42B006	238	F030D22A033	238	F030D32A012	238	F030D42A000	432	F1110030-310.A
234	F030C42B012	238	F030D22B000	238	F030D32A018	238	F030D42A001	432	F1110030.A
234	F030C42B018	238	F030D22B001	238	F030D32A030	238	F030D42A006	432	F1110033-300.A
234	F030C42B030	238	F030D22B006	238	F030D32A033	238	F030D42A012	432	F1110033-310.A
234	F030C42B033	238	F030D22B012	238	F030D32B000	238	F030D42A018	432	F1110033.A
234	F030C42D000	238	F030D22B018	238	F030D32B001	238	F030D42A030	432	F1111001-300.A
234	F030C42D001	238	F030D22B030	238	F030D32B006	238	F030D42A033	432	F1111001-310.A
234	F030C42D006	238	F030D22B033	238	F030D32B012	238	F030D42B000	432	F1111001.A
234	F030C42D012	238	F030D22D000	238	F030D32B018	238	F030D42B001	432	F1111006-300.A
234	F030C42D018	238	F030D22D001	238	F030D32B030	238	F030D42B006	432	F1111006-310.A
234	F030C42D030	238	F030D22D006	238	F030D32B033	238	F030D42B012	432	F1111006.A
234	F030C42D033	238	F030D22D012	238	F030D32D000	238	F030D42B018	432	F1111012-300.A
235	F030C43A000	238	F030D22D018	238	F030D32D001	238	F030D42B030	432	F1111012-310.A
235	F030C43A001	238	F030D22D030	238	F030D32D006	238	F030D42B033	432	F1111012.A
235	F030C43A006	238	F030D22D033	238	F030D32D012	238	F030D42D000	432	F1111018-300.A
235	F030C43A012	239	F030D23A000	238	F030D32D018	238	F030D42D001	432	F1111018-310.A
235	F030C43A018	239	F030D23A001	238	F030D32D030	238	F030D42D006	432	F1111018.A
235	F030C43A030	239	F030D23A006	238	F030D32D033	238	F030D42D012	432	F1111030-300.A
235	F030C43A033	239	F030D23A012	239	F030D33A000	238	F030D42D018	432	F1111030-310.A
235	F030C43B000	239	F030D23A018	239	F030D33A001	238	F030D42D030	432	F1111030.A
235	F030C43B001	239	F030D23A030	239	F030D33A006	238	F030D42D033	432	F1111033-300.A
235	F030C43B006	239	F030D23A033	239	F030D33A012	239	F030D43A000	432	F1111033-310.A
235	F030C43B012	239	F030D23B000	239	F030D33A018	239	F030D43A001	432	F1111033.A
235	F030C43B018	239	F030D23B001	239	F030D33A030	239	F030D43A006	432	F1112001-300.A
235	F030C43B030	239	F030D23B006	239	F030D33A033	239	F030D43A012	432	F1112001-310.A
235	F030C43B033	239	F030D23B012	239	F030D33B000	239	F030D43A018	432	F1112001.A
235	F030C43D000	239	F030D23B018	239	F030D33B001	239	F030D43A030	432	F1112006-300.A
235	F030C43D001	239	F030D23B030	239	F030D33B006	239	F030D43A033	432	F1112006-310.A
235	F030C43D006	239	F030D23B033	239	F030D33B012	239	F030D43B000	432	F1112006.A
235	F030C43D012	239	F030D23D000	239	F030D33B018	239	F030D43B001	432	F1112012-300.A
235	F030C43D018	239	F030D23D001	239	F030D33B030	239	F030D43B006	432	F1112012-310.A
235	F030C43D030	239	F030D23D006	239	F030D33B033	239	F030D43B012	432	F1112012.A
235	F030C43D033	239	F030D23D012	239	F030D33D000	239	F030D43B018	432	F1112018-300.A
238	F030D21A000	239	F030D23D018	239	F030D33D001	239	F030D43B030	432	F1112018-310.A
238	F030D21A001	239	F030D23D030	239	F030D33D006	239	F030D43B033	432	F1112018.A
238	F030D21A006	239	F030D23D033	239	F030D33D012	239	F030D43D000	432	F1112030-300.A
238	F030D21A012	238	F030D31A000	239	F030D33D018	239	F030D43D001	432	F1112030-310.A
238	F030D21A018	238	F030D31A001	239	F030D33D030	239	F030D43D006	432	F1112030.A
238	F030D21A030	238	F030D31A006	239	F030D33D033	239	F030D43D012	432	F1112033-300.A
238	F030D21A033	238	F030D31A012	238	F030D41A000	239	F030D43D018	432	F1112033-310.A
238	F030D21B000	238	F030D31A018	238	F030D41A001	239	F030D43D030	432	F1112033.A
238	F030D21B001	238	F030D31A030	238	F030D41A006	239	F030D43D033	432	F1113001-300.A
238	F030D21B006	238	F030D31A033	238	F030D41A012	237	F030Z010000	432	F1113001-310.A
238	F030D21B012	238	F030D31B000	238	F030D41A018	239	F030Z020000	432	F1113001.A
238	F030D21B018	238	F030D31B001	238	F030D41A030	204	F038AAAA0ZZ	432	F1113006-300.A
238	F030D21B030	238	F030D31B006	238	F030D41A033	204	F038AABA0ZZ	432	F1113006-310.A
238	F030D21B033	238	F030D31B012	238	F030D41B000	204	F038AACA0ZZ	432	F1113006.A
238	F030D21D000	238	F030D31B018	238	F030D41B001	432	F1110001-300.A	432	F1113012-300.A
238	F030D21D001	238	F030D31B030	238	F030D41B006	432	F1110001-310.A	432	F1113012-310.A
238	F030D21D006	238	F030D31B033	238	F030D41B012	432	F1110001.A	432	F1113012.A
238	F030D21D012	238	F030D31D000	238	F030D41B018	432	F1110006-300.A	432	F1113018-300.A
238	F030D21D018	238	F030D31D001	238	F030D41B030	432	F1110006-310.A	432	F1113018-310.A
238	F030D21D030	238	F030D31D006	238	F030D41B033	432	F1110006.A	432	F1113018.A
238	F030D21D033	238	F030D31D012	238	F030D41D000	432	F1110012-300.A	432	F1113030-300.A
238	F030D22A000	238	F030D31D018	238	F030D41D001	432	F1110012-310.A	432	F1113030-310.A
238	F030D22A001	238	F030D31D030	238	F030D41D006	432	F1110012.A	432	F1113030.A
238	F030D22A006	238	F030D31D033	238	F030D41D012	432	F1110018-300.A	432	F1113033-300.A
238	F030D22A012	238	F030D32A000	238	F030D41D018	432	F1110018-310.A	432	F1113033-310.A
238	F030D22A018	238	F030D32A001	238	F030D41D030	432	F1110018.A	432	F1113033.A
238	F030D22A030	238	F030D32A006	238	F030D41D033	432	F1110030-300.A	432	F1114001-300.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
432	F1114001-310.A	433	F1117012-310.A	433	F1120030-310.A	436	F1142001-300.B	436	F1145012-300.A
432	F1114001.A	433	F1117012.A	433	F1120030.A	436	F1142001-310.A	436	F1145012-310
432	F1114006-300.A	433	F1117018-300.A	433	F1120033-300.A	436	F1142006	436	F1145018
432	F1114006-310.A	433	F1117018-310.A	433	F1120033-310.A	436	F1142006-300.B	436	F1145018-300.A
432	F1114006.A	433	F1117018.A	433	F1120033.A	436	F1142006-310.A	436	F1145018-310
432	F1114012-300.A	433	F1117030-300.A	433	F1121001-300.A	436	F1142012	436	F1145030
432	F1114012-310.A	433	F1117030-310.A	433	F1121001-310.A	436	F1142012-300.B	436	F1145030-300.A
432	F1114012.A	433	F1117030.A	433	F1121001.A	436	F1142012-310.A	436	F1145030-310
432	F1114018-300.A	433	F1117033-300.A	433	F1121006-300.A	436	F1142018	436	F1145033
432	F1114018-310.A	433	F1117033-310.A	433	F1121006-310.A	436	F1142018-300.B	436	F1145033-300.A
432	F1114018.A	433	F1117033.A	433	F1121006.A	436	F1142018-310.A	436	F1145033-310
432	F1114030-300.A	433	F1118001-300.A	433	F1121012-300.A	436	F1142030	437	F1146001
432	F1114030-310.A	433	F1118001-310.A	433	F1121012-310.A	436	F1142030-300.B	437	F1146001-300.B
432	F1114030.A	433	F1118001.A	433	F1121012.A	436	F1142030-310.A	437	F1146001-310.A
432	F1114033-300.A	433	F1118006-300.A	433	F1121018-300.A	436	F1142033	437	F1146006
432	F1114033-310.A	433	F1118006-310.A	433	F1121018-310.A	436	F1142033-300.B	437	F1146006-300.B
432	F1114033.A	433	F1118006.A	433	F1121018.A	436	F1142033-310.A	437	F1146006-310.A
432	F1115001-300.A	433	F1118012-300.A	433	F1121030-300.A	436	F1143001	437	F1146012
432	F1115001-310.A	433	F1118012-310.A	433	F1121030-310.A	436	F1143001-300.B	437	F1146012-300.B
432	F1115001.A	433	F1118012.A	433	F1121030.A	436	F1143001-310.A	437	F1146012-310.A
432	F1115006-300.A	433	F1118018-300.A	433	F1121033-300.A	436	F1143006	437	F1146018
432	F1115006-310.A	433	F1118018-310.A	433	F1121033-310.A	436	F1143006-300.B	437	F1146018-300.B
432	F1115006.A	433	F1118018.A	433	F1121033.A	436	F1143006-310.A	437	F1146018-310.A
432	F1115012-300.A	433	F1118030-300.A	436	F1140001	436	F1143012	437	F1146030
432	F1115012-310.A	433	F1118030-310.A	436	F1140001-300.B	436	F1143012-300.B	437	F1146030-300.B
432	F1115012.A	433	F1118030.A	436	F1140001-310.A	436	F1143012-310.A	437	F1146030-310.A
432	F1115018-300.A	433	F1118033-300.A	436	F1140006	436	F1143018	437	F1146033
432	F1115018-310.A	433	F1118033-310.A	436	F1140006-300.B	436	F1143018-300.B	437	F1146033-300.B
432	F1115018.A	433	F1118033.A	436	F1140006-310.A	436	F1143018-310.A	437	F1146033-310.A
432	F1115030-300.A	433	F1119001-300.A	436	F1140012	436	F1143030	437	F1147001
432	F1115030-310.A	433	F1119001-310.A	436	F1140012-300.B	436	F1143030-300.B	437	F1147001-300.B
432	F1115030.A	433	F1119001.A	436	F1140012-310.A	436	F1143030-310.A	437	F1147001-310.A
432	F1115033-300.A	433	F1119006-300.A	436	F1140018	436	F1143033	437	F1147006
432	F1115033-310.A	433	F1119006-310.A	436	F1140018-300.B	436	F1143033-300.B	437	F1147006-300.B
432	F1115033.A	433	F1119006.A	436	F1140018-310.A	436	F1143033-310.A	437	F1147006-310.A
433	F1116001-300.A	433	F1119012-300.A	436	F1140030	436	F1144001	437	F1147012
433	F1116001-310.A	433	F1119012-310.A	436	F1140030-300.B	436	F1144001-300.B	437	F1147012-300.B
433	F1116001.A	433	F1119012.A	436	F1140030-310.A	436	F1144001-310.A	437	F1147012-310.A
433	F1116006-300.A	433	F1119018-300.A	436	F1140033	436	F1144006	437	F1147018
433	F1116006-310.A	433	F1119018-310.A	436	F1140033-300.B	436	F1144006-300.B	437	F1147018-300.B
433	F1116006.A	433	F1119018.A	436	F1140033-310.A	436	F1144006-310.A	437	F1147018-310.A
433	F1116012-300.A	433	F1119030-300.A	436	F1141001	436	F1144012	437	F1147030
433	F1116012-310.A	433	F1119030-310.A	436	F1141001-300.B	436	F1144012-300.B	437	F1147030-300.B
433	F1116012.A	433	F1119030.A	436	F1141001-310.A	436	F1144012-310.A	437	F1147030-310.A
433	F1116018-300.A	433	F1119033-300.A	436	F1141006	436	F1144018	437	F1147033
433	F1116018-310.A	433	F1119033-310.A	436	F1141006-300.B	436	F1144018-300.B	437	F1147033-300.B
433	F1116018.A	433	F1119033.A	436	F1141006-310.A	436	F1144018-310.A	437	F1147033-310.A
433	F1116030-300.A	433	F1120001-300.A	436	F1141012	436	F1144030	437	F1148001
433	F1116030-310.A	433	F1120001-310.A	436	F1141012-300.B	436	F1144030-300.B	437	F1148001-300.B
433	F1116030.A	433	F1120001.A	436	F1141012-310.A	436	F1144030-310.A	437	F1148001-310.A
433	F1116033-300.A	433	F1120006-300.A	436	F1141018	436	F1144033	437	F1148006
433	F1116033-310.A	433	F1120006-310.A	436	F1141018-300.B	436	F1144033-300.B	437	F1148006-300.B
433	F1116033.A	433	F1120006.A	436	F1141018-310.A	436	F1144033-310.A	437	F1148006-310.A
433	F1117001-300.A	433	F1120012-300.A	436	F1141030	436	F1145001	437	F1148012
433	F1117001-310.A	433	F1120012-310.A	436	F1141030-300.B	436	F1145001-300.A	437	F1148012-300.B
433	F1117001.A	433	F1120012.A	436	F1141030-310.A	436	F1145001-310	437	F1148012-310.A
433	F1117006-300.A	433	F1120018-300.A	436	F1141033	436	F1145006	437	F1148018
433	F1117006-310.A	433	F1120018-310.A	436	F1141033-300.B	436	F1145006-300.A	437	F1148018-300.B
433	F1117006.A	433	F1120018.A	436	F1141033-310.A	436	F1145006-310	437	F1148018-310.A
433	F1117012-300.A	433	F1120030-300.A	436	F1142001	436	F1145012	437	F1148030

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
437	F1148030-300.B	438	F1170001-300.A	438	F1173012-300.A	439	F1176030-300.A	439	F1180001-300.A
437	F1148030-310.A	438	F1170001-310.A	438	F1173012-310.A	439	F1176030-310.A	439	F1180001-310.A
437	F1148033	438	F1170006	438	F1173018	439	F1176033	439	F1180006
437	F1148033-300.B	438	F1170006-300.A	438	F1173018-300.A	439	F1176033-300.A	439	F1180006-300.A
437	F1148033-310.A	438	F1170006-310.A	438	F1173018-310.A	439	F1176033-310.A	439	F1180006-310.A
437	F1149001	438	F1170012	438	F1173030	439	F1177001	439	F1180012
437	F1149001-300.B	438	F1170012-300.A	438	F1173030-300.A	439	F1177001-300.A	439	F1180012-300.A
437	F1149001-310.A	438	F1170012-310.A	438	F1173030-310.A	439	F1177001-310.A	439	F1180012-310.A
437	F1149006	438	F1170018	438	F1173033	439	F1177006	439	F1180018
437	F1149006-300.B	438	F1170018-300.A	438	F1173033-300.A	439	F1177006-300.A	439	F1180018-300.A
437	F1149006-310.A	438	F1170018-310.A	438	F1173033-310.A	439	F1177006-310.A	439	F1180018-310.A
437	F1149012	438	F1170030	438	F1174001	439	F1177012	439	F1180030
437	F1149012-300.B	438	F1170030-300.A	438	F1174001-300.A	439	F1177012-300.A	439	F1180030-300.A
437	F1149012-310.A	438	F1170030-310.A	438	F1174001-310.A	439	F1177012-310.A	439	F1180030-310.A
437	F1149018	438	F1170033	438	F1174006	439	F1177018	439	F1180033
437	F1149018-300.B	438	F1170033-300.A	438	F1174006-300.A	439	F1177018-300.A	439	F1180033-300.A
437	F1149018-310.A	438	F1170033-310.A	438	F1174006-310.A	439	F1177018-310.A	439	F1180033-310.A
437	F1149030	438	F1171001	438	F1174012	439	F1177030	439	F1181001
437	F1149030-300.B	438	F1171001-300.A	438	F1174012-300.A	439	F1177030-300.A	439	F1181001-300.A
437	F1149030-310.A	438	F1171001-310.A	438	F1174012-310.A	439	F1177030-310.A	439	F1181001-310.A
437	F1149033	438	F1171006	438	F1174018	439	F1177033	439	F1181006
437	F1149033-300.B	438	F1171006-300.A	438	F1174018-300.A	439	F1177033-300.A	439	F1181006-300.A
437	F1149033-310.A	438	F1171006-310.A	438	F1174018-310.A	439	F1177033-310.A	439	F1181006-310.A
437	F1150001	438	F1171012	438	F1174030	439	F1178001	439	F1181012
437	F1150001-300.B	438	F1171012-300.A	438	F1174030-300.A	439	F1178001-300.A	439	F1181012-300.A
437	F1150001-310.A	438	F1171012-310.A	438	F1174030-310.A	439	F1178001-310.A	439	F1181012-310.A
437	F1150006	438	F1171018	438	F1174033	439	F1178006	439	F1181018
437	F1150006-300.B	438	F1171018-300.A	438	F1174033-300.A	439	F1178006-300.A	439	F1181018-300.A
437	F1150006-310.A	438	F1171018-310.A	438	F1174033-310.A	439	F1178006-310.A	439	F1181018-310.A
437	F1150012	438	F1171030	438	F1175001	439	F1178012	439	F1181030
437	F1150012-300.B	438	F1171030-300.A	438	F1175001-300.A	439	F1178012-300.A	439	F1181030-300.A
437	F1150012-310.A	438	F1171030-310.A	438	F1175001-310.A	439	F1178012-310.A	439	F1181030-310.A
437	F1150018	438	F1171033	438	F1175006	439	F1178018	439	F1181033
437	F1150018-300.B	438	F1171033-300.A	438	F1175006-300.A	439	F1178018-300.A	439	F1181033-300.A
437	F1150018-310.A	438	F1171033-310.A	438	F1175006-310.A	439	F1178018-310.A	439	F1181033-310.A
437	F1150030	438	F1172001	438	F1175012	439	F1178030	624	F1203001
437	F1150030-300.B	438	F1172001-300.A	438	F1175012-300.A	439	F1178030-300.A	624	F1203006
437	F1150030-310.A	438	F1172001-310.A	438	F1175012-310.A	439	F1178030-310.A	624	F1203012
437	F1150033	438	F1172006	438	F1175018	439	F1178033	624	F1203018
437	F1150033-300.B	438	F1172006-300.A	438	F1175018-300.A	439	F1178033-300.A	624	F1203030
437	F1150033-310.A	438	F1172006-310.A	438	F1175018-310.A	439	F1178033-310.A	624	F1203033
437	F1151001	438	F1172012	438	F1175030	439	F1179001	624	F1204001
437	F1151001-300.B	438	F1172012-300.A	438	F1175030-300.A	439	F1179001-300.A	624	F1204006
437	F1151001-310.A	438	F1172012-310.A	438	F1175030-310.A	439	F1179001-310.A	624	F1204012
437	F1151006	438	F1172018	438	F1175033	439	F1179006	624	F1204018
437	F1151006-300.B	438	F1172018-300.A	438	F1175033-300.A	439	F1179006-300.A	624	F1204030
437	F1151006-310.A	438	F1172018-310.A	438	F1175033-310.A	439	F1179006-310.A	624	F1204033
437	F1151012	438	F1172030	439	F1176001	439	F1179012	333	F1207000
437	F1151012-300.B	438	F1172030-300.A	439	F1176001-300.A	439	F1179012-300.A	333	F1208000
437	F1151012-310.A	438	F1172030-310.A	439	F1176001-310.A	439	F1179012-310.A	328	F1209000
437	F1151018	438	F1172033	439	F1176006	439	F1179018	329	F1210001
437	F1151018-300.B	438	F1172033-300.A	439	F1176006-300.A	439	F1179018-300.A	329	F1210006
437	F1151018-310.A	438	F1172033-310.A	439	F1176006-310.A	439	F1179018-310.A	329	F1210012
437	F1151030	438	F1173001	439	F1176012	439	F1179030	329	F1210018
437	F1151030-300.B	438	F1173001-300.A	439	F1176012-300.A	439	F1179030-300.A	329	F1210030
437	F1151030-310.A	438	F1173001-310.A	439	F1176012-310.A	439	F1179030-310.A	329	F1210033
437	F1151033	438	F1173006	439	F1176018	439	F1179033	329	F1211001
437	F1151033-300.B	438	F1173006-300.A	439	F1176018-300.A	439	F1179033-300.A	329	F1211006
437	F1151033-310.A	438	F1173006-310.A	439	F1176018-310.A	439	F1179033-310.A	329	F1211012
438	F1170001	438	F1173012	439	F1176030	439	F1180001	329	F1211018

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
329	F1211030	330	F1230033-300	330	F1234006-300	330	F1237018-300	331	F1255030
329	F1211033	330	F1230033-310	330	F1234006-310	330	F1237018-310	331	F1255033
329	F1212001	330	F1231001	330	F1234012	330	F1237030	331	F1256001
329	F1212006	330	F1231001-300	330	F1234012-300	330	F1237030-300	331	F1256006
329	F1212012	330	F1231001-310	330	F1234012-310	330	F1237030-310	331	F1256012
329	F1212018	330	F1231006	330	F1234018	330	F1237033	331	F1256018
329	F1212030	330	F1231006-300	330	F1234018-300	330	F1237033-300	331	F1256030
329	F1212033	330	F1231006-310	330	F1234018-310	330	F1237033-310	331	F1256033
329	F1213001	330	F1231012	330	F1234030	330	F1238001	331	F1257001
329	F1213006	330	F1231012-300	330	F1234030-300	330	F1238001-300	331	F1257006
329	F1213012	330	F1231012-310	330	F1234030-310	330	F1238001-310	331	F1257012
329	F1213018	330	F1231018	330	F1234033	330	F1238006	331	F1257018
329	F1213030	330	F1231018-300	330	F1234033-300	330	F1238006-300	331	F1257030
329	F1213033	330	F1231018-310	330	F1234033-310	330	F1238006-310	331	F1257033
329	F1214001	330	F1231030	330	F1235001	330	F1238012	331	F1258001
329	F1214006	330	F1231030-300	330	F1235001-300	330	F1238012-300	331	F1258006
329	F1214012	330	F1231030-310	330	F1235001-310	330	F1238012-310	331	F1258012
329	F1214018	330	F1231033	330	F1235006	330	F1238018	331	F1258018
329	F1214030	330	F1231033-300	330	F1235006-300	330	F1238018-300	331	F1258030
329	F1214033	330	F1231033-310	330	F1235006-310	330	F1238018-310	331	F1258033
329	F1215001	330	F1232001	330	F1235012	330	F1238030	332	F1270001
329	F1215006	330	F1232001-300	330	F1235012-300	330	F1238030-300	332	F1270001-300
329	F1215012	330	F1232001-310	330	F1235012-310	330	F1238030-310	332	F1270001-310
329	F1215018	330	F1232006	330	F1235018	330	F1238033	332	F1270006
329	F1215030	330	F1232006-300	330	F1235018-300	330	F1238033-300	332	F1270006-300
329	F1215033	330	F1232006-310	330	F1235018-310	330	F1238033-310	332	F1270006-310
329	F1216001	330	F1232012	330	F1235030	331	F1250001	332	F1270012
329	F1216006	330	F1232012-300	330	F1235030-300	331	F1250006	332	F1270012-300
329	F1216012	330	F1232012-310	330	F1235030-310	331	F1250012	332	F1270012-310
329	F1216018	330	F1232018	330	F1235033	331	F1250018	332	F1270018
329	F1216030	330	F1232018-300	330	F1235033-300	331	F1250030	332	F1270018-300
329	F1216033	330	F1232018-310	330	F1235033-310	331	F1250033	332	F1270018-310
329	F1217001	330	F1232030	330	F1236001	331	F1251001	332	F1270030
329	F1217006	330	F1232030-300	330	F1236001-300	331	F1251006	332	F1270030-300
329	F1217012	330	F1232030-310	330	F1236001-310	331	F1251012	332	F1270030-310
329	F1217018	330	F1232033	330	F1236006	331	F1251018	332	F1270033
329	F1217030	330	F1232033-300	330	F1236006-300	331	F1251030	332	F1270033-300
329	F1217033	330	F1232033-310	330	F1236006-310	331	F1251033	332	F1270033-310
329	F1218001	330	F1233001	330	F1236012	331	F1252001	332	F1271001
329	F1218006	330	F1233001-300	330	F1236012-300	331	F1252006	332	F1271001-300
329	F1218012	330	F1233001-310	330	F1236012-310	331	F1252012	332	F1271001-310
329	F1218018	330	F1233006	330	F1236018	331	F1252018	332	F1271006
329	F1218030	330	F1233006-300	330	F1236018-300	331	F1252030	332	F1271006-300
329	F1218033	330	F1233006-310	330	F1236018-310	331	F1252033	332	F1271006-310
330	F1230001	330	F1233012	330	F1236030	331	F1253001	332	F1271012
330	F1230001-300	330	F1233012-300	330	F1236030-300	331	F1253006	332	F1271012-300
330	F1230001-310	330	F1233012-310	330	F1236030-310	331	F1253012	332	F1271012-310
330	F1230006	330	F1233018	330	F1236033	331	F1253018	332	F1271018
330	F1230006-300	330	F1233018-300	330	F1236033-300	331	F1253030	332	F1271018-300
330	F1230006-310	330	F1233018-310	330	F1236033-310	331	F1253033	332	F1271018-310
330	F1230012	330	F1233030	330	F1237001	331	F1254001	332	F1271030
330	F1230012-300	330	F1233030-300	330	F1237001-300	331	F1254006	332	F1271030-300
330	F1230012-310	330	F1233030-310	330	F1237001-310	331	F1254012	332	F1271030-310
330	F1230018	330	F1233033	330	F1237006	331	F1254018	332	F1271033
330	F1230018-300	330	F1233033-300	330	F1237006-300	331	F1254030	332	F1271033-300
330	F1230018-310	330	F1233033-310	330	F1237006-310	331	F1254033	332	F1271033-310
330	F1230030	330	F1234001	330	F1237012	331	F1255001	332	F1272001
330	F1230030-300	330	F1234001-300	330	F1237012-300	331	F1255006	332	F1272001-300
330	F1230030-310	330	F1234001-310	330	F1237012-310	331	F1255012	332	F1272001-310
330	F1230033	330	F1234006	330	F1237018	331	F1255018	332	F1272006

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
332	F1272006-300	332	F1275018-300	332	F1278033-300	422	F1315090-300	422	F1317090-300
332	F1272006-310	332	F1275018-310	332	F1278033-310	422	F1315090-310	422	F1317090-310
332	F1272012	332	F1275030	422	F1310000	422	F1316000	423	F1318000
332	F1272012-300	332	F1275030-300	422	F1310001	422	F1316000-300	328	F1330089.A
332	F1272012-310	332	F1275030-310	422	F1310006	422	F1316000-310	328	F1331089.A
332	F1272018	332	F1275033	422	F1310012	422	F1316001	328	F1332089.A
332	F1272018-300	332	F1275033-300	422	F1310018	422	F1316001-300	468	F2250001
332	F1272018-310	332	F1275033-310	422	F1310030	422	F1316001-310	468	F2250006
332	F1272030	332	F1276001	422	F1310033	422	F1316006	468	F2250012
332	F1272030-300	332	F1276001-300	422	F1310087	422	F1316006-300	468	F2250018
332	F1272030-310	332	F1276001-310	422	F1310089	422	F1316006-310	468	F2250030
332	F1272033	332	F1276006	422	F1310090	422	F1316012	468	F2250033
332	F1272033-300	332	F1276006-300	422	F1311000	422	F1316012-300	468	F2251001
332	F1272033-310	332	F1276006-310	422	F1311001	422	F1316012-310	468	F2251006
332	F1273001	332	F1276012	422	F1311006	422	F1316018	468	F2251012
332	F1273001-300	332	F1276012-300	422	F1311012	422	F1316018-300	468	F2251018
332	F1273001-310	332	F1276012-310	422	F1311018	422	F1316018-310	468	F2251030
332	F1273006	332	F1276018	422	F1311030	422	F1316030	468	F2251033
332	F1273006-300	332	F1276018-300	422	F1311033	422	F1316030-300	468	F2252001
332	F1273006-310	332	F1276018-310	422	F1311087	422	F1316030-310	468	F2252006
332	F1273012	332	F1276030	422	F1311089	422	F1316033	468	F2252012
332	F1273012-300	332	F1276030-300	422	F1311090	422	F1316033-300	468	F2252018
332	F1273012-310	332	F1276030-310	422	F1312000	422	F1316033-310	468	F2252030
332	F1273018	332	F1276033	422	F1312001	422	F1316087	468	F2252033
332	F1273018-300	332	F1276033-300	422	F1312006	422	F1316087-300	468	F2260001
332	F1273018-310	332	F1276033-310	422	F1312012	422	F1316087-310	468	F2260006
332	F1273030	332	F1277001	422	F1312018	422	F1316089	468	F2260012
332	F1273030-300	332	F1277001-300	422	F1312030	422	F1316089-300	468	F2260018
332	F1273030-310	332	F1277001-310	422	F1312033	422	F1316089-310	468	F2260030
332	F1273033	332	F1277006	422	F1312087	422	F1316090	468	F2260033
332	F1273033-300	332	F1277006-300	422	F1312089	422	F1316090-300	468	F2261001
332	F1273033-310	332	F1277006-310	422	F1312090	422	F1316090-310	468	F2261006
332	F1274001	332	F1277012	422	F1315000	422	F1317000	468	F2261012
332	F1274001-300	332	F1277012-300	422	F1315000-300	422	F1317000-300	468	F2261018
332	F1274001-310	332	F1277012-310	422	F1315000-310	422	F1317000-310	468	F2261030
332	F1274006	332	F1277018	422	F1315001	422	F1317001	468	F2261033
332	F1274006-300	332	F1277018-300	422	F1315001-300	422	F1317001-300	468	F2262001
332	F1274006-310	332	F1277018-310	422	F1315001-310	422	F1317001-310	468	F2262006
332	F1274012	332	F1277030	422	F1315006	422	F1317006	468	F2262012
332	F1274012-300	332	F1277030-300	422	F1315006-300	422	F1317006-300	468	F2262018
332	F1274012-310	332	F1277030-310	422	F1315006-310	422	F1317006-310	468	F2262030
332	F1274018	332	F1277033	422	F1315012	422	F1317012	468	F2262033
332	F1274018-300	332	F1277033-300	422	F1315012-300	422	F1317012-300	415	F4301000
332	F1274018-310	332	F1277033-310	422	F1315012-310	422	F1317012-310	415	F4302000
332	F1274030	332	F1278001	422	F1315018	422	F1317018	415	F4303000
332	F1274030-300	332	F1278001-300	422	F1315018-300	422	F1317018-300	414	F4350001
332	F1274030-310	332	F1278001-310	422	F1315018-310	422	F1317018-310	414	F4350006
332	F1274033	332	F1278006	422	F1315030	422	F1317030	414	F4350012
332	F1274033-300	332	F1278006-300	422	F1315030-300	422	F1317030-300	414	F4350018
332	F1274033-310	332	F1278006-310	422	F1315030-310	422	F1317030-310	414	F4350030
332	F1275001	332	F1278012	422	F1315033	422	F1317033	414	F4350033
332	F1275001-300	332	F1278012-300	422	F1315033-300	422	F1317033-300	414	F4351001
332	F1275001-310	332	F1278012-310	422	F1315033-310	422	F1317033-310	414	F4351006
332	F1275006	332	F1278018	422	F1315087	422	F1317087	414	F4351012
332	F1275006-300	332	F1278018-300	422	F1315087-300	422	F1317087-300	414	F4351018
332	F1275006-310	332	F1278018-310	422	F1315087-310	422	F1317087-310	414	F4351030
332	F1275012	332	F1278030	422	F1315089	422	F1317089	414	F4351033
332	F1275012-300	332	F1278030-300	422	F1315089-300	422	F1317089-300	414	F4352001
332	F1275012-310	332	F1278030-310	422	F1315089-310	422	F1317089-310	414	F4352006
332	F1275018	332	F1278033	422	F1315090	422	F1317090	414	F4352012

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
414	F4352018	415	F4356006	478	F4570065.A	477	F4581048-300.A	477	F4586048-300.A
414	F4352030	415	F4356006-300	478	F4571045.A	477	F4581048-310.A	477	F4586048-310.A
414	F4352033	415	F4356006-310	478	F4571048.A	477	F4581048.A	477	F4586048.A
414	F4353001	415	F4356012	478	F4571056.A	477	F4581056-300.A	477	F4586056-300.A
414	F4353001-300	415	F4356012-300	478	F4571065.A	477	F4581056-310.A	477	F4586056-310.A
414	F4353001-310	415	F4356012-310	478	F4572045.A	477	F4581056.A	477	F4586056.A
414	F4353006	415	F4356018	478	F4572048.A	477	F4581065-300.A	477	F4586065-300.A
414	F4353006-300	415	F4356018-300	478	F4572056.A	477	F4581065-310.A	477	F4586065-310.A
414	F4353006-310	415	F4356018-310	478	F4572065.A	477	F4581065.A	477	F4586065.A
414	F4353012	415	F4356030	478	F4573045.A	477	F4582045-300.A	477	F4587045-300.A
414	F4353012-300	415	F4356030-300	478	F4573048.A	477	F4582045-310.A	477	F4587045-310.A
414	F4353012-310	415	F4356030-310	478	F4573056.A	477	F4582045.A	477	F4587045.A
414	F4353018	415	F4356033	478	F4573065.A	477	F4582048-300.A	477	F4587048-300.A
414	F4353018-300	415	F4356033-300	478	F4574045.A	477	F4582048-310.A	477	F4587048-310.A
414	F4353018-310	415	F4356033-310	478	F4574048.A	477	F4582048.A	477	F4587048.A
414	F4353030	415	F4357001	478	F4574056.A	477	F4582056-300.A	477	F4587056-300.A
414	F4353030-300	415	F4357001-300	478	F4574065.A	477	F4582056-310.A	477	F4587056-310.A
414	F4353030-310	415	F4357001-310	478	F4575045.A	477	F4582056.A	477	F4587056.A
414	F4353033	415	F4357006	478	F4575048.A	477	F4582065-300.A	477	F4587065-300.A
414	F4353033-300	415	F4357006-300	478	F4575056.A	477	F4582065-310.A	477	F4587065-310.A
414	F4353033-310	415	F4357006-310	478	F4575065.A	477	F4582065.A	477	F4587065.A
414	F4354001	415	F4357012	478	F4576045.A	477	F4583045-300.A	476	F4588045-300.A
414	F4354001-300	415	F4357012-300	478	F4576048.A	477	F4583045-310.A	476	F4588045-310.A
414	F4354001-310	415	F4357012-310	478	F4576056.A	477	F4583045.A	476	F4588045.A
414	F4354006	415	F4357018	478	F4576065.A	477	F4583048-300.A	476	F4588048-300.A
414	F4354006-300	415	F4357018-300	478	F4577045.A	477	F4583048-310.A	476	F4588048-310.A
414	F4354006-310	415	F4357018-310	478	F4577048.A	477	F4583048.A	476	F4588048.A
414	F4354012	415	F4357030	478	F4577056.A	477	F4583056-300.A	476	F4588056-300.A
414	F4354012-300	415	F4357030-300	478	F4577065.A	477	F4583056-310.A	476	F4588056-310.A
414	F4354012-310	415	F4357030-310	478	F4578045.A	477	F4583056.A	476	F4588056.A
414	F4354018	415	F4357033	478	F4578048.A	477	F4583065-300.A	476	F4588065-300.A
414	F4354018-300	415	F4357033-300	478	F4578056.A	477	F4583065-310.A	476	F4588065-310.A
414	F4354018-310	415	F4357033-310	478	F4578065.A	477	F4583065.A	476	F4588065.A
414	F4354030	415	F4358001	477	F4579045-300.A	477	F4584045-300.A	476	F4589045-300.A
414	F4354030-300	415	F4358001-300	477	F4579045-310.A	477	F4584045-310.A	476	F4589045-310.A
414	F4354030-310	415	F4358001-310	477	F4579045.A	477	F4584045.A	476	F4589045.A
414	F4354033	415	F4358006	477	F4579048-300.A	477	F4584048-300.A	476	F4589048-300.A
414	F4354033-300	415	F4358006-300	477	F4579048-310.A	477	F4584048-310.A	476	F4589048-310.A
414	F4354033-310	415	F4358006-310	477	F4579048.A	477	F4584048.A	476	F4589048.A
414	F4355001	415	F4358012	477	F4579056-300.A	477	F4584056-300.A	476	F4589056-300.A
414	F4355001-300	415	F4358012-300	477	F4579056-310.A	477	F4584056-310.A	476	F4589056-310.A
414	F4355001-310	415	F4358012-310	477	F4579056.A	477	F4584056.A	476	F4589056.A
414	F4355006	415	F4358018	477	F4579065-300.A	477	F4584065-300.A	476	F4589065-300.A
414	F4355006-300	415	F4358018-300	477	F4579065-310.A	477	F4584065-310.A	476	F4589065-310.A
414	F4355006-310	415	F4358018-310	477	F4579065.A	477	F4584065.A	476	F4589065.A
414	F4355012	415	F4358030	477	F4580045-300.A	477	F4585045-300.A	476	F4590045-300.A
414	F4355012-300	415	F4358030-300	477	F4580045-310.A	477	F4585045-310.A	476	F4590045-310.A
414	F4355012-310	415	F4358030-310	477	F4580045.A	477	F4585045.A	476	F4590045.A
414	F4355018	415	F4358033	477	F4580048-300.A	477	F4585048-300.A	476	F4590048-300.A
414	F4355018-300	415	F4358033-300	477	F4580048-310.A	477	F4585048-310.A	476	F4590048-310.A
414	F4355018-310	415	F4358033-310	477	F4580048.A	477	F4585048.A	476	F4590048.A
414	F4355030	479	F4555000	477	F4580056-300.A	477	F4585056-300.A	476	F4590056-300.A
414	F4355030-300	479	F4556000	477	F4580056-310.A	477	F4585056-310.A	476	F4590056-310.A
414	F4355030-310	479	F4557000	477	F4580056.A	477	F4585056.A	476	F4590056.A
414	F4355033	479	F4558000	477	F4580065-300.A	477	F4585065-300.A	476	F4590065-300.A
414	F4355033-300	479	F4559000	477	F4580065-310.A	477	F4585065-310.A	476	F4590065-310.A
414	F4355033-310	479	F4560000	477	F4580065.A	477	F4585065.A	476	F4590065.A
415	F4356001	478	F4570045.A	477	F4581045-300.A	477	F4586045-300.A	476	F4591045-300.A
415	F4356001-300	478	F4570048.A	477	F4581045-310.A	477	F4586045-310.A	476	F4591045-310.A
415	F4356001-310	478	F4570056.A	477	F4581045.A	477	F4586045.A	476	F4591045.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
476	F4591048-300.A	476	F4596048-300.A	308	F990B16A000	536	FA100181133	741	FA1051071201
476	F4591048-310.A	476	F4596048-310.A	308	F990B17A000	532	FA10018140	741	FA1051071206
476	F4591048.A	476	F4596048.A	308	F990B18A000	536	FA10018141	741	FA1051071212
476	F4591056-300.A	476	F4596056-300.A	459	F990B21A000	533	FA10018212	741	FA1051071218
476	F4591056-310.A	476	F4596056-310.A	541	F990B22A000	534	FA100182122	741	FA1051071230
476	F4591056.A	476	F4596056.A	343	F990B23AZ00	538	FA100182125	741	FA1051071233
476	F4591065-300.A	476	F4596065-300.A	309	F990B27A000	537	FA100182130	741	FA1051071270
476	F4591065-310.A	476	F4596065-310.A	309	F990B28A000	537	FA100182132	741	FA1051072001
476	F4591065.A	476	F4596065.A	406	F990B29A000	533	FA10018230	741	FA1051072006
476	F4592045-300.A	479	F4597000	64	F990C00A000	533	FA10018240	741	FA1051072012
476	F4592045-310.A	479	F4598000	64	F990C010000	537	FA10018241	741	FA1051072018
476	F4592045.A	479	F4599000	67	F990C030000	772	FA100501	741	FA1051072030
476	F4592048-300.A	404	F5960044	396	F990C040000	772	FA100506	741	FA1051072033
476	F4592048-310.A	404	F5960047	308	F990C050000	772	FA100512	741	FA1051072070
476	F4592048.A	404	F5960055	67	F990C080000	772	FA100518	741	FA1051072101
476	F4592056-300.A	404	F5960066	603	F990C081000	772	FA100530	741	FA1051072106
476	F4592056-310.A	404	F5961044	603	F990C082000	772	FA100533	741	FA1051072112
476	F4592056.A	404	F5961047	603	F990C083000	772	FA100901	741	FA1051072118
476	F4592065-300.A	404	F5961055	64	F990C100000	772	FA100906	741	FA1051072130
476	F4592065-310.A	404	F5961066	66	F990C110000	772	FA100912	741	FA1051072133
476	F4592065.A	405	F5962000	708	F990E00A000	772	FA100918	741	FA1051072170
476	F4593045-300.A	404	F5970044	155	F990G300000	772	FA100930	741	FA1051072201
476	F4593045-310.A	404	F5970047	342	F990H010000	772	FA100933	741	FA1051072206
476	F4593045.A	404	F5970055	534	FA10017412	539	FA101	741	FA1051072212
476	F4593048-300.A	404	F5970066	535	FA100174122	539	FA102	741	FA1051072218
476	F4593048-310.A	404	F5971044	539	FA100174125	683	FA1022290001	741	FA1051072230
476	F4593048.A	404	F5971047	538	FA100174132	683	FA1022290006	741	FA1051072233
476	F4593056-300.A	404	F5971055	534	FA10017440	683	FA1022290012	741	FA1051072270
476	F4593056-310.A	404	F5971066	538	FA10017441	683	FA1022290018	738	FA1051440001.A
476	F4593056.A	404	F5980044	532	FA100176118	683	FA1022290030	738	FA1051440006.A
476	F4593065-300.A	404	F5980047	532	FA10017612	683	FA1022290033	738	FA1051440012.A
476	F4593065-310.A	404	F5980055	536	FA100176124	683	FA102950001	738	FA1051440018.A
476	F4593065.A	404	F5980066	536	FA100176133	683	FA102950006	738	FA1051440030.A
476	F4594045-300.A	404	F5981044	532	FA10017640	683	FA102950012	738	FA1051440033.A
476	F4594045-310.A	404	F5981047	536	FA10017641	683	FA102950018	738	FA1051440070.A
476	F4594045.A	404	F5981055	532	FA100177118	683	FA102950030	738	FA1051441201.A
476	F4594048-300.A	404	F5981066	532	FA10017712	683	FA102950033	738	FA1051441206.A
476	F4594048-310.A	291	F6268022	536	FA100177124	683	FA102960001	738	FA1051441212.A
476	F4594048.A	291	F6268041	536	FA100177133	683	FA102960006	738	FA1051441218.A
476	F4594056-300.A	291	F6367022	532	FA10017740	683	FA102960012	738	FA1051441230.A
476	F4594056-310.A	291	F6367041	536	FA10017741	683	FA102960018	738	FA1051441233.A
476	F4594056.A	290	F6468022	533	FA10017912	683	FA102960030	738	FA1051441270.A
476	F4594065-300.A	290	F6468041	534	FA100179122	683	FA102960033	738	FA1051442001.A
476	F4594065-310.A	290	F6469022	538	FA100179125	386	FA1041040090	738	FA1051442006.A
476	F4594065.A	290	F6469041	537	FA100179130	386	FA1041060090	738	FA1051442012.A
476	F4595045-300.A	308	F990B00A000	537	FA100179132	386	FA1041970090	738	FA1051442018.A
476	F4595045-310.A	308	F990B01A000	533	FA10017930	741	FA1051070001	738	FA1051442030.A
476	F4595045.A	308	F990B02A000	533	FA10017940	741	FA1051070006	738	FA1051442033.A
476	F4595048-300.A	308	F990B03A000	537	FA10017941	741	FA1051070012	738	FA1051442070.A
476	F4595048-310.A	308	F990B04A000	533	FA10018012	741	FA1051070018	738	FA1051442201.A
476	F4595048.A	308	F990B05A000	534	FA100180122	741	FA1051070030	738	FA1051442206.A
476	F4595056-300.A	625	F990B07A000	538	FA100180125	741	FA1051070033	738	FA1051442212.A
476	F4595056-310.A	624	F990B08A000	537	FA100180130	741	FA1051070070	738	FA1051442218.A
476	F4595056.A	625	F990B09A000	537	FA100180132	741	FA1051071101	738	FA1051442230.A
476	F4595065-300.A	541	F990B10A000	533	FA10018030	741	FA1051071106	738	FA1051442233.A
476	F4595065-310.A	541	F990B11A000	533	FA10018040	741	FA1051071112	738	FA1051442270.A
476	F4595065.A	541	F990B12A000	537	FA10018041	741	FA1051071118	738	FA1051710001.A
476	F4596045-300.A	541	F990B13A000	532	FA100181118	741	FA1051071130	738	FA1051710006.A
476	F4596045-310.A	625	F990B14A000	532	FA10018112	741	FA1051071133	738	FA1051710012.A
476	F4596045.A	624	F990B15A000	536	FA100181124	741	FA1051071170	738	FA1051710018.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
738	FA1051710030.A	741	FA1051900012	744	FA1052522230	760	FA10526614557	779	FA11333
738	FA1051710033.A	741	FA1051900018	744	FA1052522233	760	FA10526614757	779	FA11406
738	FA1051710070.A	741	FA1051900030	744	FA1052522270	740	FA105560001	779	FA11433
738	FA1051711201.A	741	FA1051900033	743	FA1052540001	740	FA105560006	779	FA11506
738	FA1051711206.A	741	FA1051900070	743	FA1052540006	740	FA105560012	779	FA11533
738	FA1051711212.A	741	FA1051901101	743	FA1052540012	740	FA105560018	155	FA116
738	FA1051711218.A	741	FA1051901106	743	FA1052540018	740	FA105560030	772	FA11701
738	FA1051711230.A	741	FA1051901112	743	FA1052540030	740	FA105560033	772	FA11706
738	FA1051711233.A	741	FA1051901118	743	FA1052540033	740	FA105560070	772	FA11712
738	FA1051711270.A	741	FA1051901130	743	FA1052540070	740	FA105561101	772	FA11718
758	FA10517114357.A	741	FA1051901133	743	FA1052541201	740	FA105561106	772	FA11730
758	FA10517114557.A	741	FA1051901170	743	FA1052541206	740	FA105561112	772	FA11733
740	FA1051720001	741	FA1051901201	743	FA1052541212	740	FA105561118	746	FA129
740	FA1051720006	741	FA1051901206	743	FA1052541218	740	FA105561130	746	FA135
740	FA1051720012	741	FA1051901212	743	FA1052541230	740	FA105561133	449	FA136
740	FA1051720018	741	FA1051901218	743	FA1052541233	740	FA105561170	396	FA139
740	FA1051720030	741	FA1051901230	743	FA1052541270	740	FA105561201	793	FA15701
740	FA1051720033	741	FA1051901233	743	FA1052550001	740	FA105561206	793	FA15706
740	FA1051720070	741	FA1051901270	743	FA1052550006	740	FA105561212	793	FA15712
740	FA1051721101	760	FA10521114557	743	FA1052550012	740	FA105561218	793	FA15718
740	FA1051721106	760	FA10521114757	743	FA1052550018	740	FA105561230	793	FA15730
740	FA1051721112	744	FA1052510001	743	FA1052550030	740	FA105561233	793	FA15733
740	FA1051721118	744	FA1052510006	743	FA1052550033	740	FA105561270	793	FA15801
740	FA1051721130	744	FA1052510012	743	FA1052550070	740	FA105562001	793	FA15806
740	FA1051721133	744	FA1052510018	743	FA1052551201	740	FA105562006	793	FA15812
740	FA1051721170	744	FA1052510030	743	FA1052551206	740	FA105562012	793	FA15818
740	FA1051721201	744	FA1052510033	743	FA1052551212	740	FA105562018	793	FA15830
740	FA1051721206	744	FA1052510070	743	FA1052551218	740	FA105562030	793	FA15833
740	FA1051721212	744	FA1052511201	743	FA1052551230	740	FA105562033	684	FA160
740	FA1051721218	744	FA1052511206	743	FA1052551233	740	FA105562070	795	FA16101
740	FA1051721230	744	FA1052511212	743	FA1052551270	740	FA105562101	771	FA161011201
740	FA1051721233	744	FA1052511218	743	FA1052552001	740	FA105562106	771	FA161011206
740	FA1051721270	744	FA1052511230	743	FA1052552006	740	FA105562112	771	FA161011212
759	FA10517214457	744	FA1052511233	743	FA1052552012	740	FA105562118	771	FA161011218
759	FA10517214657	744	FA1052511270	743	FA1052552018	740	FA105562130	771	FA161011230
739	FA1051730001.A	744	FA1052520001	743	FA1052552030	740	FA105562133	771	FA161011233
739	FA1051730006.A	744	FA1052520006	743	FA1052552033	740	FA105562170	771	FA161011301
739	FA1051730012.A	744	FA1052520012	743	FA1052552070	740	FA105562201	771	FA161011306
739	FA1051730018.A	744	FA1052520018	743	FA1052552201	740	FA105562206	771	FA161011312
739	FA1051730030.A	744	FA1052520030	743	FA1052552206	740	FA105562212	771	FA161011318
739	FA1051730033.A	744	FA1052520033	743	FA1052552212	740	FA105562218	771	FA161011330
739	FA1051730070.A	744	FA1052520070	743	FA1052552218	740	FA105562230	771	FA161011333
758	FA10517314357.A	744	FA1052521201	743	FA1052552230	740	FA105562233	771	FA161012201
742	FA1051740001	744	FA1052521206	743	FA1052552233	740	FA105562270	771	FA161012206
742	FA1051740006	744	FA1052521212	743	FA1052552270	387	FA109	771	FA161012212
742	FA1051740012	744	FA1052521218	745	FA1052560001	772	FA110501	771	FA161012218
742	FA1051740018	744	FA1052521230	745	FA1052560006	772	FA110506	771	FA161012230
742	FA1051740030	744	FA1052521233	745	FA1052560012	772	FA110512	771	FA161012233
742	FA1051740033	744	FA1052521270	745	FA1052560018	772	FA110518	771	FA161012301
742	FA1051740070	744	FA1052522001	745	FA1052560030	772	FA110530	771	FA161012306
742	FA1051741201	744	FA1052522006	745	FA1052560033	772	FA110533	771	FA161012312
742	FA1051741206	744	FA1052522012	745	FA1052560070	772	FA110901	771	FA161012318
742	FA1051741212	744	FA1052522018	745	FA1052561201	772	FA110906	771	FA161012330
742	FA1051741218	744	FA1052522030	745	FA1052561206	772	FA110912	771	FA161012333
742	FA1051741230	744	FA1052522033	745	FA1052561212	772	FA110918	795	FA16106
742	FA1051741233	744	FA1052522070	745	FA1052561218	772	FA110930	795	FA16112
742	FA1051741270	744	FA1052522201	745	FA1052561230	772	FA110933	795	FA16118
759	FA10517414457	744	FA1052522206	745	FA1052561233	779	FA11206	795	FA16130
741	FA1051900001	744	FA1052522212	745	FA1052561270	779	FA11233	795	FA16133
741	FA1051900006	744	FA1052522218	761	FA10525614557	779	FA11306	795	FA16201

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
795	FA16206	795	FA17701	775	FA22333	395	FA50300406.A	394	FA50320806
795	FA16212	795	FA17706	775	FA22406	395	FA50300412.A	394	FA50320812
795	FA16218	795	FA17712	775	FA22433	395	FA50300418.A	394	FA50320818
771	FA162241201	795	FA17718	774	FA22506	395	FA50300430.A	394	FA50320830
771	FA162241206	795	FA17730	774	FA22533	395	FA50300433.A	394	FA50320833
771	FA162241212	795	FA17733	774	FA22606	394	FA50300601.A	453	FA50700201
771	FA162241218	795	FA17801	774	FA22633	394	FA50300606.A	453	FA50700206
771	FA162241230	795	FA17806	774	FA22706	394	FA50300612.A	453	FA50700212
771	FA162241233	795	FA17812	774	FA22733	394	FA50300618.A	453	FA50700218
771	FA162241301	795	FA17818	774	FA22806	394	FA50300630.A	453	FA50700230
771	FA162241306	795	FA17830	774	FA22833	394	FA50300633.A	453	FA50700233
771	FA162241312	795	FA17833	775	FA22906	394	FA50300801	453	FA50700301
771	FA162241318	798	FA17901	775	FA22933	394	FA50300806	453	FA50700306
771	FA162241330	798	FA17906	775	FA23006	394	FA50300812	453	FA50700312
771	FA162241333	798	FA17912	775	FA23033	394	FA50300818	453	FA50700318
795	FA16230	798	FA17918	775	FA23106	394	FA50300830	453	FA50700330
795	FA16233	798	FA17930	775	FA23133	394	FA50300833	453	FA50700333
770	FA162801301.A	798	FA17933	775	FA23206	395	FA50300901	453	FA50700501
770	FA162801306.A	798	FA18001	775	FA23233	395	FA50300906	453	FA50700506
770	FA162801312.A	798	FA18006	757	FA235	395	FA50300912	453	FA50700512
770	FA162801318.A	798	FA18012	747	FA238.A	395	FA50300918	453	FA50700518
770	FA162801330.A	798	FA18018	747	FA239.A	395	FA50300930	453	FA50700530
770	FA162801333.A	798	FA18030	774	FA243	395	FA50300933	453	FA50700533
770	FA162801401.A	798	FA18033	684	FA24501	395	FA50301001.A	453	FA50701201
770	FA162801406.A	807	FA18101	684	FA24506	395	FA50301006.A	453	FA50701206
770	FA162801412.A	807	FA18106	684	FA24512	395	FA50301012.A	453	FA50701212
770	FA162801418.A	807	FA18112	684	FA24518	395	FA50301018.A	453	FA50701218
770	FA162801430.A	807	FA18118	684	FA24530	395	FA50301030.A	453	FA50701230
770	FA162801433.A	807	FA18130	684	FA24533	395	FA50301033.A	453	FA50701233
770	FA162811301	807	FA18133	684	FA247	394	FA50301101.A	453	FA50701301
770	FA162811306	795	FA182	155	FA24806	394	FA50301106.A	453	FA50701306
770	FA162811312	746	FA184	155	FA24833	394	FA50301112.A	453	FA50701312
770	FA162811318	378	FA185.A	155	FA24906	394	FA50301118.A	453	FA50701318
770	FA162811330	516	FA192	155	FA24933	394	FA50301130.A	453	FA50701330
770	FA162811333	516	FA193	155	FA25006	394	FA50301133.A	453	FA50701333
770	FA162811401	516	FA194	155	FA25033	394	FA50301201.A	453	FA50701501
770	FA162811406	516	FA195	155	FA25106	394	FA50301206.A	453	FA50701506
770	FA162811412	708	FA196	155	FA25133	394	FA50301212.A	453	FA50701512
770	FA162811418	708	FA197	728	FA26130	394	FA50301218.A	453	FA50701518
770	FA162811430	708	FA198	728	FA26230	394	FA50301230.A	453	FA50701530
770	FA162811433	708	FA199	728	FA26330	394	FA50301233.A	453	FA50701533
770	FA162812301.A	729	FA203	717	FA264	395	FA50320201	454	FA50702201
770	FA162812306.A	728	FA20530	717	FA266	395	FA50320206	454	FA50702206
770	FA162812312.A	728	FA20630	717	FA268	395	FA50320212	454	FA50702212
770	FA162812318.A	728	FA20730	155	FA414006	395	FA50320218	454	FA50702218
770	FA162812330.A	728	FA20830	155	FA414033	395	FA50320230	454	FA50702230
770	FA162812333.A	728	FA20930	155	FA414506	395	FA50320233	454	FA50702233
770	FA162812401.A	378	FA21	155	FA414533	395	FA50320401	454	FA50702301
770	FA162812406.A	728	FA21030	155	FA415006	395	FA50320406	454	FA50702306
770	FA162812412.A	728	FA21130	155	FA415033	395	FA50320412	454	FA50702312
770	FA162812418.A	728	FA21230	155	FA415506	395	FA50320418	454	FA50702318
770	FA162812430.A	728	FA21330	155	FA415533	395	FA50320430	454	FA50702330
770	FA162812433.A	747	FA218	493	FA50	395	FA50320433	454	FA50702333
799	FA16530	517	FA219	395	FA50300201.A	394	FA50320601	454	FA50702501
799	FA16630	517	FA220	395	FA50300206.A	394	FA50320606	454	FA50702506
807	FA16730	775	FA22106	395	FA50300212.A	394	FA50320612	454	FA50702512
807	FA16830	775	FA22133	395	FA50300218.A	394	FA50320618	454	FA50702518
664	FA172	775	FA22206	395	FA50300230.A	394	FA50320630	454	FA50702530
664	FA173	775	FA22233	395	FA50300233.A	394	FA50320633	454	FA50702533
664	FA174	775	FA22306	395	FA50300401.A	394	FA50320801	454	FA50703201

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
454	FA50703206	456	FA50712306	450	FA50801506	446	FA50901206	448	FA50904306
454	FA50703212	456	FA50712312	450	FA50801512	446	FA50901212	448	FA50904312
454	FA50703218	456	FA50712318	450	FA50801518	446	FA50901218	448	FA50904318
454	FA50703230	456	FA50712330	450	FA50801530	446	FA50901230	448	FA50904330
454	FA50703233	456	FA50712333	450	FA50801533	446	FA50901233	448	FA50904333
454	FA50703301	456	FA50712501	451	FA50802201	446	FA50901301	448	FA50904501
454	FA50703306	456	FA50712506	451	FA50802206	446	FA50901306	448	FA50904506
454	FA50703312	456	FA50712512	451	FA50802212	446	FA50901312	448	FA50904512
454	FA50703318	456	FA50712518	451	FA50802218	446	FA50901318	448	FA50904518
454	FA50703330	456	FA50712530	451	FA50802230	446	FA50901330	448	FA50904530
454	FA50703333	456	FA50712533	451	FA50802233	446	FA50901333	448	FA50904533
454	FA50703501	456	FA50713201	451	FA50802301	446	FA50901501	448	FA50905201
454	FA50703506	456	FA50713206	451	FA50802306	446	FA50901506	448	FA50905206
454	FA50703512	456	FA50713212	451	FA50802312	446	FA50901512	448	FA50905212
454	FA50703518	456	FA50713218	451	FA50802318	446	FA50901518	448	FA50905218
454	FA50703530	456	FA50713230	451	FA50802330	446	FA50901530	448	FA50905230
454	FA50703533	456	FA50713233	451	FA50802333	446	FA50901533	448	FA50905233
455	FA50710201	456	FA50713301	451	FA50802501	447	FA50902201	448	FA50905301
455	FA50710206	456	FA50713306	451	FA50802506	447	FA50902206	448	FA50905306
455	FA50710212	456	FA50713312	451	FA50802512	447	FA50902212	448	FA50905312
455	FA50710218	456	FA50713318	451	FA50802518	447	FA50902218	448	FA50905318
455	FA50710230	456	FA50713330	451	FA50802530	447	FA50902230	448	FA50905330
455	FA50710233	456	FA50713333	451	FA50802533	447	FA50902233	448	FA50905333
455	FA50710301	456	FA50713501	451	FA50803201	447	FA50902301	448	FA50905501
455	FA50710306	456	FA50713506	451	FA50803206	447	FA50902306	448	FA50905506
455	FA50710312	456	FA50713512	451	FA50803212	447	FA50902312	448	FA50905512
455	FA50710318	456	FA50713518	451	FA50803218	447	FA50902318	448	FA50905518
455	FA50710330	456	FA50713530	451	FA50803230	447	FA50902330	448	FA50905530
455	FA50710333	456	FA50713533	451	FA50803233	447	FA50902333	448	FA50905533
455	FA50710501	450	FA50800201	451	FA50803301	447	FA50902501	448	FA50906201
455	FA50710506	450	FA50800206	451	FA50803306	447	FA50902506	448	FA50906206
455	FA50710512	450	FA50800212	451	FA50803312	447	FA50902512	448	FA50906212
455	FA50710518	450	FA50800218	451	FA50803318	447	FA50902518	448	FA50906218
455	FA50710530	450	FA50800230	451	FA50803330	447	FA50902530	448	FA50906230
455	FA50710533	450	FA50800233	451	FA50803333	447	FA50902533	448	FA50906233
455	FA50711201	450	FA50800301	451	FA50803501	447	FA50903201	448	FA50906301
455	FA50711206	450	FA50800306	451	FA50803506	447	FA50903206	448	FA50906306
455	FA50711212	450	FA50800312	451	FA50803512	447	FA50903212	448	FA50906312
455	FA50711218	450	FA50800318	451	FA50803518	447	FA50903218	448	FA50906318
455	FA50711230	450	FA50800330	451	FA50803530	447	FA50903230	448	FA50906330
455	FA50711233	450	FA50800333	451	FA50803533	447	FA50903233	448	FA50906333
455	FA50711301	450	FA50800501	446	FA50900201	447	FA50903301	448	FA50906501
455	FA50711306	450	FA50800506	446	FA50900206	447	FA50903306	448	FA50906506
455	FA50711312	450	FA50800512	446	FA50900212	447	FA50903312	448	FA50906512
455	FA50711318	450	FA50800518	446	FA50900218	447	FA50903318	448	FA50906518
455	FA50711330	450	FA50800530	446	FA50900230	447	FA50903330	448	FA50906530
455	FA50711333	450	FA50800533	446	FA50900233	447	FA50903333	448	FA50906533
455	FA50711501	450	FA50801201	446	FA50900301	447	FA50903501	458	FA51200201
455	FA50711506	450	FA50801206	446	FA50900306	447	FA50903506	458	FA51200206
455	FA50711512	450	FA50801212	446	FA50900312	447	FA50903512	458	FA51200212
455	FA50711518	450	FA50801218	446	FA50900318	447	FA50903518	458	FA51200218
455	FA50711530	450	FA50801230	446	FA50900330	447	FA50903530	458	FA51200230
455	FA50711533	450	FA50801233	446	FA50900333	447	FA50903533	458	FA51200233
456	FA50712201	450	FA50801301	446	FA50900501	448	FA50904201	458	FA51200301
456	FA50712206	450	FA50801306	446	FA50900506	448	FA50904206	458	FA51200306
456	FA50712212	450	FA50801312	446	FA50900512	448	FA50904212	458	FA51200312
456	FA50712218	450	FA50801318	446	FA50900518	448	FA50904218	458	FA51200318
456	FA50712230	450	FA50801330	446	FA50900530	448	FA50904230	458	FA51200330
456	FA50712233	450	FA50801333	446	FA50900533	448	FA50904233	458	FA51200333
456	FA50712301	450	FA50801501	446	FA50901201	448	FA50904301	458	FA51200501

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
458	FA51200506	751	FA51303201	754	FA51305901	751	FA51308401	501	FA51700256
458	FA51200512	751	FA51303206	754	FA51305906	751	FA51308406	501	FA51700356
458	FA51200518	751	FA51303212	754	FA51305912	751	FA51308412	501	FA51700556
458	FA51200530	751	FA51303218	754	FA51305918	751	FA51308418	501	FA51701256
458	FA51200533	751	FA51303230	754	FA51305930	751	FA51308430	501	FA51701356
458	FA51201201	751	FA51303233	754	FA51305933	751	FA51308433	501	FA51701456
458	FA51201206	751	FA51303301	754	FA51306001	751	FA51308601	501	FA51701556
458	FA51201212	751	FA51303306	754	FA51306006	751	FA51308606	501	FA51701656
458	FA51201218	751	FA51303312	754	FA51306012	751	FA51308612	501	FA51701756
458	FA51201230	751	FA51303318	754	FA51306018	751	FA51308618	522	FA51702201
458	FA51201233	751	FA51303330	754	FA51306030	751	FA51308630	522	FA51702206
458	FA51201301	751	FA51303333	754	FA51306033	751	FA51308633	522	FA51702212
458	FA51201306	752	FA51303501	754	FA51306201	752	FA51308801	522	FA51702218
458	FA51201312	752	FA51303506	754	FA51306206	752	FA51308806	522	FA51702230
458	FA51201318	752	FA51303512	754	FA51306212	752	FA51308812	522	FA51702233
458	FA51201330	752	FA51303518	754	FA51306218	752	FA51308818	522	FA51702256
458	FA51201333	752	FA51303530	754	FA51306230	752	FA51308830	522	FA51702301
458	FA51201501	752	FA51303533	754	FA51306233	752	FA51308833	522	FA51702306
458	FA51201506	752	FA51303601	754	FA51306301	752	FA51309001	522	FA51702312
458	FA51201512	752	FA51303606	754	FA51306306	752	FA51309006	522	FA51702318
458	FA51201518	752	FA51303612	754	FA51306312	752	FA51309012	522	FA51702330
458	FA51201530	752	FA51303618	754	FA51306318	752	FA51309018	522	FA51702333
458	FA51201533	752	FA51303630	754	FA51306330	752	FA51309030	522	FA51702356
746	FA5130	752	FA51303633	754	FA51306333	752	FA51309033	522	FA51702501
750	FA51300201	752	FA51303801	755	FA51306501	753	FA51309201	522	FA51702506
750	FA51300206	752	FA51303806	755	FA51306506	753	FA51309206	522	FA51702512
750	FA51300212	752	FA51303812	755	FA51306512	753	FA51309212	522	FA51702518
750	FA51300218	752	FA51303818	755	FA51306518	753	FA51309218	522	FA51702530
750	FA51300230	752	FA51303830	755	FA51306530	753	FA51309230	522	FA51702533
750	FA51300233	752	FA51303833	755	FA51306533	753	FA51309233	522	FA51702556
750	FA51300301	752	FA51303901	755	FA51306601	753	FA51309401	522	FA51703201
750	FA51300306	752	FA51303906	755	FA51306606	753	FA51309406	522	FA51703206
750	FA51300312	752	FA51303912	755	FA51306612	753	FA51309412	522	FA51703212
750	FA51300318	752	FA51303918	755	FA51306618	753	FA51309418	522	FA51703218
750	FA51300330	752	FA51303930	755	FA51306630	753	FA51309430	522	FA51703230
750	FA51300333	752	FA51303933	755	FA51306633	753	FA51309433	522	FA51703233
750	FA51301201	753	FA51304701	755	FA51306801	754	FA51309601	522	FA51703256
750	FA51301206	753	FA51304706	755	FA51306806	754	FA51309606	522	FA51703301
750	FA51301212	753	FA51304712	755	FA51306812	754	FA51309612	522	FA51703306
750	FA51301218	753	FA51304718	755	FA51306818	754	FA51309618	522	FA51703312
750	FA51301230	753	FA51304730	755	FA51306830	754	FA51309630	522	FA51703318
750	FA51301233	753	FA51304733	755	FA51306833	754	FA51309633	522	FA51703330
750	FA51301301	753	FA51304801	755	FA51306901	754	FA51309801	522	FA51703333
750	FA51301306	753	FA51304806	755	FA51306906	754	FA51309806	522	FA51703356
750	FA51301312	753	FA51304812	755	FA51306912	754	FA51309812	522	FA51703501
750	FA51301318	753	FA51304818	755	FA51306918	754	FA51309818	522	FA51703506
750	FA51301330	753	FA51304830	755	FA51306930	754	FA51309830	522	FA51703512
750	FA51301333	753	FA51304833	755	FA51306933	754	FA51309833	522	FA51703518
751	FA51302201	753	FA51305001	750	FA51308001	755	FA51310001	522	FA51703530
751	FA51302206	753	FA51305006	750	FA51308006	755	FA51310006	522	FA51703533
751	FA51302212	753	FA51305012	750	FA51308012	755	FA51310012	522	FA51703556
751	FA51302218	753	FA51305018	750	FA51308018	755	FA51310018	523	FA51704201
751	FA51302230	753	FA51305030	750	FA51308030	755	FA51310030	523	FA51704206
751	FA51302233	753	FA51305033	750	FA51308033	755	FA51310033	523	FA51704212
751	FA51302301	753	FA51305101	750	FA51308201	755	FA51310201	523	FA51704218
751	FA51302306	753	FA51305106	750	FA51308206	755	FA51310206	523	FA51704230
751	FA51302312	753	FA51305112	750	FA51308212	755	FA51310212	523	FA51704233
751	FA51302318	753	FA51305118	750	FA51308218	755	FA51310218	523	FA51704256
751	FA51302330	753	FA51305130	750	FA51308230	755	FA51310230	523	FA51704301
751	FA51302333	753	FA51305133	750	FA51308233	755	FA51310233	523	FA51704306

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
523	FA51704312	497	FA51800256	519	FA51807201	519	FA51827212	792	FA52501333.A
523	FA51704318	497	FA51800356	519	FA51807206	519	FA51827218	792	FA52502201.A
523	FA51704330	496	FA51800556	519	FA51807212	519	FA51827230	792	FA52502206.A
523	FA51704333	496	FA51800656	519	FA51807218	519	FA51827233	792	FA52502212.A
523	FA51704356	496	FA51800856	519	FA51807230	519	FA51827256	792	FA52502218.A
523	FA51704501	496	FA51800956	519	FA51807233	520	FA51828201	792	FA52502230.A
523	FA51704506	497	FA51801256	519	FA51807256	520	FA51828206	792	FA52502233.A
523	FA51704512	497	FA51801356	519	FA51807301	520	FA51828212	792	FA52502301.A
523	FA51704518	498	FA51801556	519	FA51807306	520	FA51828218	792	FA52502306.A
523	FA51704530	498	FA51801656	519	FA51807312	520	FA51828230	792	FA52502312.A
523	FA51704533	498	FA51802256	519	FA51807318	520	FA51828233	792	FA52502318.A
523	FA51704556	498	FA51802356	519	FA51807330	520	FA51828256	792	FA52502330.A
523	FA51705201	498	FA51802556	519	FA51807333	746	FA5230	792	FA52502333.A
523	FA51705206	498	FA51802656	519	FA51807356	660	FA523002.A	794	FA52503201
523	FA51705212	498	FA51803256	520	FA51808201	660	FA523003.A	794	FA52503206
523	FA51705218	498	FA51803356	520	FA51808206	660	FA523012.A	794	FA52503212
523	FA51705230	497	FA51803456	520	FA51808212	660	FA523013.A	794	FA52503218
523	FA51705233	497	FA51803556	520	FA51808218	661	FA523022.A	794	FA52503230
523	FA51705256	518	FA51804201	520	FA51808230	661	FA523023.A	794	FA52503233
523	FA51705301	518	FA51804206	520	FA51808233	661	FA523032.A	794	FA52503301
523	FA51705306	518	FA51804212	520	FA51808256	661	FA523033.A	794	FA52503306
523	FA51705312	518	FA51804218	520	FA51808301	662	FA523042.A	794	FA52503312
523	FA51705318	518	FA51804230	520	FA51808306	662	FA523043.A	794	FA52503318
523	FA51705330	518	FA51804233	520	FA51808312	662	FA523052.A	794	FA52503330
523	FA51705333	518	FA51804256	520	FA51808318	662	FA523053.A	794	FA52503333
523	FA51705356	518	FA51804301	520	FA51808330	663	FA523062.A	794	FA52504201
523	FA51705501	518	FA51804306	520	FA51808333	663	FA523063.A	794	FA52504206
523	FA51705506	518	FA51804312	520	FA51808356	663	FA523072.A	794	FA52504212
523	FA51705512	518	FA51804318	497	FA51820256	663	FA523073.A	794	FA52504218
523	FA51705518	518	FA51804330	496	FA51820556	660	FA523203.A	794	FA52504230
523	FA51705530	518	FA51804333	496	FA51820856	660	FA523213	794	FA52504233
523	FA51705533	518	FA51804356	497	FA51821256	661	FA523223	794	FA52504301
523	FA51705556	518	FA51805201	498	FA51821556	661	FA523233	794	FA52504306
524	FA51706201	518	FA51805206	498	FA51822256	662	FA523243	794	FA52504312
524	FA51706206	518	FA51805212	498	FA51822556	662	FA523253.A	794	FA52504318
524	FA51706212	518	FA51805218	498	FA51823256	663	FA523263	794	FA52504330
524	FA51706218	518	FA51805230	497	FA51823456	663	FA523273	794	FA52504333
524	FA51706230	518	FA51805233	518	FA51824201	792	FA52500201.A	794	FA52505201
524	FA51706233	518	FA51805256	518	FA51824206	792	FA52500206.A	794	FA52505206
524	FA51706256	518	FA51805301	518	FA51824212	792	FA52500212.A	794	FA52505212
524	FA51706301	518	FA51805306	518	FA51824218	792	FA52500218.A	794	FA52505218
524	FA51706306	518	FA51805312	518	FA51824230	792	FA52500230.A	794	FA52505230
524	FA51706312	518	FA51805318	518	FA51824233	792	FA52500233.A	794	FA52505233
524	FA51706318	518	FA51805330	518	FA51824256	792	FA52500301.A	794	FA52505301
524	FA51706330	518	FA51805333	518	FA51825201	792	FA52500306.A	794	FA52505306
524	FA51706333	518	FA51805356	518	FA51825206	792	FA52500312.A	794	FA52505312
524	FA51706356	519	FA51806201	518	FA51825212	792	FA52500318.A	794	FA52505318
524	FA51706501	519	FA51806206	518	FA51825218	792	FA52500330.A	794	FA52505330
524	FA51706506	519	FA51806212	518	FA51825230	792	FA52500333.A	794	FA52505333
524	FA51706512	519	FA51806218	518	FA51825233	792	FA52501201.A	797	FA52506201
524	FA51706518	519	FA51806230	518	FA51825256	792	FA52501206.A	797	FA52506201-300
524	FA51706530	519	FA51806233	519	FA51826201	792	FA52501212.A	797	FA52506201-310
524	FA51706533	519	FA51806256	519	FA51826206	792	FA52501218.A	797	FA52506206
524	FA51706556	519	FA51806301	519	FA51826212	792	FA52501230.A	797	FA52506206-300
500	FA51711256	519	FA51806306	519	FA51826218	792	FA52501233.A	797	FA52506206-310
500	FA51711356	519	FA51806312	519	FA51826230	792	FA52501301.A	797	FA52506212
500	FA51711556	519	FA51806318	519	FA51826233	792	FA52501306.A	797	FA52506212-300
500	FA51712256	519	FA51806330	519	FA51826256	792	FA52501312.A	797	FA52506212-310
500	FA51712356	519	FA51806333	519	FA51827201	792	FA52501318.A	797	FA52506218
500	FA51712556	519	FA51806356	519	FA51827206	792	FA52501330.A	797	FA52506218-300

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
797	FA52506218-310	797	FA52507333-310	796	FA52509306-310	803	FA52511218-310	802	FA52512333-310
797	FA52506230	796	FA52508201	796	FA52509312	803	FA52511230	804	FA52512401
797	FA52506230-300	796	FA52508201-300	796	FA52509312-300	803	FA52511230-300	804	FA52512406
797	FA52506230-310	796	FA52508201-310	796	FA52509312-310	803	FA52511230-310	804	FA52512412
797	FA52506233	796	FA52508206	796	FA52509318	803	FA52511233	804	FA52512418
797	FA52506233-300	796	FA52508206-300	796	FA52509318-300	803	FA52511233-300	804	FA52512430
797	FA52506233-310	796	FA52508206-310	796	FA52509318-310	803	FA52511233-310	804	FA52512433
797	FA52506301	796	FA52508212	796	FA52509330	803	FA52511301	802	FA52513201
797	FA52506301-300	796	FA52508212-300	796	FA52509330-300	803	FA52511301-300	802	FA52513201-300
797	FA52506301-310	796	FA52508212-310	796	FA52509330-310	803	FA52511301-310	802	FA52513201-310
797	FA52506306	796	FA52508218	796	FA52509333	803	FA52511306	802	FA52513206
797	FA52506306-300	796	FA52508218-300	796	FA52509333-300	803	FA52511306-300	802	FA52513206-300
797	FA52506306-310	796	FA52508218-310	796	FA52509333-310	803	FA52511306-310	802	FA52513206-310
797	FA52506312	796	FA52508230	803	FA52510201	803	FA52511312	802	FA52513212
797	FA52506312-300	796	FA52508230-300	803	FA52510201-300	803	FA52511312-300	802	FA52513212-300
797	FA52506312-310	796	FA52508230-310	803	FA52510201-310	803	FA52511312-310	802	FA52513212-310
797	FA52506318	796	FA52508233	803	FA52510206	803	FA52511318	802	FA52513218
797	FA52506318-300	796	FA52508233-300	803	FA52510206-300	803	FA52511318-300	802	FA52513218-300
797	FA52506318-310	796	FA52508233-310	803	FA52510206-310	803	FA52511318-310	802	FA52513218-310
797	FA52506330	796	FA52508301	803	FA52510212	803	FA52511330	802	FA52513230
797	FA52506330-300	796	FA52508301-300	803	FA52510212-300	803	FA52511330-300	802	FA52513230-300
797	FA52506330-310	796	FA52508301-310	803	FA52510212-310	803	FA52511330-310	802	FA52513230-310
797	FA52506333	796	FA52508306	803	FA52510218	803	FA52511333	802	FA52513233
797	FA52506333-300	796	FA52508306-300	803	FA52510218-300	803	FA52511333-300	802	FA52513233-300
797	FA52506333-310	796	FA52508306-310	803	FA52510218-310	803	FA52511333-310	802	FA52513233-310
797	FA52507201	796	FA52508312	803	FA52510230	802	FA52512201	802	FA52513301
797	FA52507201-300	796	FA52508312-300	803	FA52510230-300	802	FA52512201-300	802	FA52513301-300
797	FA52507201-310	796	FA52508312-310	803	FA52510230-310	802	FA52512201-310	802	FA52513301-310
797	FA52507206	796	FA52508318	803	FA52510233	802	FA52512206	802	FA52513306
797	FA52507206-300	796	FA52508318-300	803	FA52510233-300	802	FA52512206-300	802	FA52513306-300
797	FA52507206-310	796	FA52508318-310	803	FA52510233-310	802	FA52512206-310	802	FA52513306-310
797	FA52507212	796	FA52508330	803	FA52510301	802	FA52512212	802	FA52513312
797	FA52507212-300	796	FA52508330-300	803	FA52510301-300	802	FA52512212-300	802	FA52513312-300
797	FA52507212-310	796	FA52508330-310	803	FA52510301-310	802	FA52512212-310	802	FA52513312-310
797	FA52507218	796	FA52508333	803	FA52510306	802	FA52512218	802	FA52513318
797	FA52507218-300	796	FA52508333-300	803	FA52510306-300	802	FA52512218-300	802	FA52513318-300
797	FA52507218-310	796	FA52508333-310	803	FA52510306-310	802	FA52512218-310	802	FA52513318-310
797	FA52507230	796	FA52509201	803	FA52510312	802	FA52512230	802	FA52513330
797	FA52507230-300	796	FA52509201-300	803	FA52510312-300	802	FA52512230-300	802	FA52513330-300
797	FA52507230-310	796	FA52509201-310	803	FA52510312-310	802	FA52512230-310	802	FA52513330-310
797	FA52507233	796	FA52509206	803	FA52510318	802	FA52512233	802	FA52513333
797	FA52507233-300	796	FA52509206-300	803	FA52510318-300	802	FA52512233-300	802	FA52513333-300
797	FA52507233-310	796	FA52509206-310	803	FA52510318-310	802	FA52512233-310	802	FA52513333-310
797	FA52507301	796	FA52509212	803	FA52510330	802	FA52512301	792	FA52514001.A
797	FA52507301-300	796	FA52509212-300	803	FA52510330-300	802	FA52512301-300	792	FA52514006.A
797	FA52507301-310	796	FA52509212-310	803	FA52510330-310	802	FA52512301-310	792	FA52514012.A
797	FA52507306	796	FA52509218	803	FA52510333	802	FA52512306	792	FA52514018.A
797	FA52507306-300	796	FA52509218-300	803	FA52510333-300	802	FA52512306-300	792	FA52514030.A
797	FA52507306-310	796	FA52509218-310	803	FA52510333-310	802	FA52512306-310	792	FA52514033.A
797	FA52507312	796	FA52509230	803	FA52511201	802	FA52512312	792	FA52514201.A
797	FA52507312-300	796	FA52509230-300	803	FA52511201-300	802	FA52512312-300	792	FA52514206.A
797	FA52507312-310	796	FA52509230-310	803	FA52511201-310	802	FA52512312-310	792	FA52514212.A
797	FA52507318	796	FA52509233	803	FA52511206	802	FA52512318	792	FA52514218.A
797	FA52507318-300	796	FA52509233-300	803	FA52511206-300	802	FA52512318-300	792	FA52514230.A
797	FA52507318-310	796	FA52509233-310	803	FA52511206-310	802	FA52512318-310	792	FA52514233.A
797	FA52507330	796	FA52509301	803	FA52511212	802	FA52512330	792	FA52514401.A
797	FA52507330-300	796	FA52509301-300	803	FA52511212-300	802	FA52512330-300	792	FA52514406.A
797	FA52507330-310	796	FA52509301-310	803	FA52511212-310	802	FA52512330-310	792	FA52514412.A
797	FA52507333	796	FA52509306	803	FA52511218	802	FA52512333	792	FA52514418.A
797	FA52507333-300	796	FA52509306-300	803	FA52511218-300	802	FA52512333-300	792	FA52514430.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
792	FA52514433.A	797	FA52515606-310	802	FA52516218-310	673	FA52600533.A	376	FA53200233-300.B
794	FA52514601	797	FA52515612	802	FA52516230	682	FA52700201	376	FA53200233-310.A
794	FA52514606	797	FA52515612-300	802	FA52516230-300	682	FA52700206	376	FA53200233.A
794	FA52514612	797	FA52515612-310	802	FA52516230-310	682	FA52700212	376	FA53200301-300.B
794	FA52514618	797	FA52515618	802	FA52516233	682	FA52700218	376	FA53200301-310.A
794	FA52514630	797	FA52515618-300	802	FA52516233-300	682	FA52700230	376	FA53200301.A
794	FA52514633	797	FA52515618-310	802	FA52516233-310	682	FA52700233	376	FA53200306-300.B
794	FA52514801	797	FA52515630	803	FA52516401	682	FA52700301	376	FA53200306-310.A
794	FA52514806	797	FA52515630-300	803	FA52516401-300	682	FA52700306	376	FA53200306.A
794	FA52514812	797	FA52515630-310	803	FA52516401-310	682	FA52700312	376	FA53200312-300.B
794	FA52514818	797	FA52515633	803	FA52516406	682	FA52700318	376	FA53200312-310.A
794	FA52514830	797	FA52515633-300	803	FA52516406-300	682	FA52700330	376	FA53200312.A
794	FA52514833	797	FA52515633-310	803	FA52516406-310	682	FA52700333	376	FA53200318-300.B
794	FA52515001	797	FA52515801	803	FA52516412	682	FA52700501	376	FA53200318-310.A
794	FA52515006	797	FA52515801-300	803	FA52516412-300	682	FA52700506	376	FA53200318.A
794	FA52515012	797	FA52515801-310	803	FA52516412-310	682	FA52700512	376	FA53200330-300.B
794	FA52515018	797	FA52515806	803	FA52516418	682	FA52700518	376	FA53200330-310.A
794	FA52515030	797	FA52515806-300	803	FA52516418-300	682	FA52700530	376	FA53200330.A
794	FA52515033	797	FA52515806-310	803	FA52516418-310	682	FA52700533	376	FA53200333-300.B
796	FA52515201	797	FA52515812	803	FA52516430	682	FA52701201	376	FA53200333-310.A
796	FA52515201-300	797	FA52515812-300	803	FA52516430-300	682	FA52701206	376	FA53200333.A
796	FA52515201-310	797	FA52515812-310	803	FA52516430-310	682	FA52701212	376	FA53200501-300.B
796	FA52515206	797	FA52515818	803	FA52516433	682	FA52701218	376	FA53200501-310.A
796	FA52515206-300	797	FA52515818-300	803	FA52516433-300	682	FA52701230	376	FA53200501.A
796	FA52515206-310	797	FA52515818-310	803	FA52516433-310	682	FA52701233	376	FA53200506-300.B
796	FA52515212	797	FA52515830	803	FA52516601	682	FA52701301	376	FA53200506-310.A
796	FA52515212-300	797	FA52515830-300	803	FA52516601-300	682	FA52701306	376	FA53200506.A
796	FA52515212-310	797	FA52515830-310	803	FA52516601-310	682	FA52701312	376	FA53200512-300.B
796	FA52515218	797	FA52515833	803	FA52516606	682	FA52701318	376	FA53200512-310.A
796	FA52515218-300	797	FA52515833-300	803	FA52516606-300	682	FA52701330	376	FA53200512.A
796	FA52515218-310	797	FA52515833-310	803	FA52516606-310	682	FA52701333	376	FA53200518-300.B
796	FA52515230	802	FA52516001	803	FA52516612	682	FA52701501	376	FA53200518-310.A
796	FA52515230-300	802	FA52516001-300	803	FA52516612-300	682	FA52701506	376	FA53200518.A
796	FA52515230-310	802	FA52516001-310	803	FA52516612-310	682	FA52701512	376	FA53200530-300.B
796	FA52515233	802	FA52516006	803	FA52516618	682	FA52701518	376	FA53200530-310.A
796	FA52515233-300	802	FA52516006-300	803	FA52516618-300	682	FA52701530	376	FA53200530.A
796	FA52515233-310	802	FA52516006-310	803	FA52516618-310	682	FA52701533	376	FA53200533-300.B
796	FA52515401	802	FA52516012	803	FA52516630	493	FA53000256.A	376	FA53200533-310.A
796	FA52515401-300	802	FA52516012-300	803	FA52516630-300	493	FA53000356.A	376	FA53200533.A
796	FA52515401-310	802	FA52516012-310	803	FA52516630-310	494	FA53000556	376	FA53200601-300.B
796	FA52515406	802	FA52516018	803	FA52516633	494	FA53000656	376	FA53200601-310.A
796	FA52515406-300	802	FA52516018-300	803	FA52516633-300	493	FA53000756.A	376	FA53200601.A
796	FA52515406-310	802	FA52516018-310	803	FA52516633-310	493	FA53000856.A	376	FA53200606-300.B
796	FA52515412	802	FA52516030	673	FA52600201.A	494	FA53000956	376	FA53200606-310.A
796	FA52515412-300	802	FA52516030-300	673	FA52600206.A	494	FA53001056	376	FA53200606.A
796	FA52515412-310	802	FA52516030-310	673	FA52600212.A	376	FA53200201-300.B	376	FA53200612-300.B
796	FA52515418	802	FA52516033	673	FA52600218.A	376	FA53200201-310.A	376	FA53200612-310.A
796	FA52515418-300	802	FA52516033-300	673	FA52600230.A	376	FA53200201.A	376	FA53200612.A
796	FA52515418-310	802	FA52516033-310	673	FA52600233.A	376	FA53200206-300.B	376	FA53200618-300.B
796	FA52515430	802	FA52516201	673	FA52600301.A	376	FA53200206-310.A	376	FA53200618-310.A
796	FA52515430-300	802	FA52516201-300	673	FA52600306.A	376	FA53200206.A	376	FA53200618.A
796	FA52515430-310	802	FA52516201-310	673	FA52600312.A	376	FA53200212-300.B	376	FA53200630-300.B
796	FA52515433	802	FA52516206	673	FA52600318.A	376	FA53200212-310.A	376	FA53200630-310.A
796	FA52515433-300	802	FA52516206-300	673	FA52600330.A	376	FA53200212.A	376	FA53200630.A
796	FA52515433-310	802	FA52516206-310	673	FA52600333.A	376	FA53200218-300.B	376	FA53200633-300.B
797	FA52515601	802	FA52516212	673	FA52600501.A	376	FA53200218-310.A	376	FA53200633-310.A
797	FA52515601-300	802	FA52516212-300	673	FA52600506.A	376	FA53200218.A	376	FA53200633.A
797	FA52515601-310	802	FA52516212-310	673	FA52600512.A	376	FA53200230-300.B	377	FA53200801-300.B
797	FA52515606	802	FA52516218	673	FA52600518.A	376	FA53200230-310.A	377	FA53200801-310.A
797	FA52515606-300	802	FA52516218-300	673	FA52600530.A	376	FA53200230.A	377	FA53200801.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
377	FA53200806-300.B	376	FA53201718-300.B	694	FA53301206	694	FA53305106	695	FA533332
377	FA53200806-310.A	376	FA53201718-310.A	694	FA53301206-300	694	FA53305106-300	695	FA533332-300
377	FA53200806.A	376	FA53201718.A	694	FA53301206-310	694	FA53305106-310	695	FA533332-310
377	FA53200812-300.B	376	FA53201730-300.B	694	FA53301212	694	FA53305112	695	FA533333
377	FA53200812-310.A	376	FA53201730-310.A	694	FA53301212-300	694	FA53305112-300	695	FA533333-300
377	FA53200812.A	376	FA53201730.A	694	FA53301212-310	694	FA53305112-310	695	FA533333-310
377	FA53200818-300.B	376	FA53201733-300.B	694	FA53301218	694	FA53305118	695	FA533334
377	FA53200818-310.A	376	FA53201733-310.A	694	FA53301218-300	694	FA53305118-300	695	FA533334-300
377	FA53200818.A	376	FA53201733.A	694	FA53301218-310	694	FA53305118-310	695	FA533334-310
377	FA53200830-300.B	377	FA53202001-300.B	694	FA53301230	694	FA53305130	694	FA533341
377	FA53200830-310.A	377	FA53202001-310.A	694	FA53301230-300	694	FA53305130-300	694	FA533341-300
377	FA53200830.A	377	FA53202001.A	694	FA53301230-310	694	FA53305130-310	694	FA533341-310
377	FA53200833-300.B	377	FA53202006-300.B	694	FA53301233	694	FA53305133	695	FA533342
377	FA53200833-310.A	377	FA53202006-310.A	694	FA53301233-300	694	FA53305133-300	695	FA533342-300
377	FA53200833.A	377	FA53202006.A	694	FA53301233-310	694	FA53305133-310	695	FA533342-310
377	FA53200901-300.B	377	FA53202012-300.B	692	FA53302101	692	FA53305201	695	FA533343
377	FA53200901-310.A	377	FA53202012-310.A	692	FA53302101-300	692	FA53305201-300	695	FA533343-300
377	FA53200901.A	377	FA53202012.A	692	FA53302101-310	692	FA53305201-310	695	FA533343-310
377	FA53200906-300.B	377	FA53202018-300.B	692	FA53302106	692	FA53305206	695	FA533344
377	FA53200906-310.A	377	FA53202018-310.A	692	FA53302106-300	692	FA53305206-300	695	FA533344-300
377	FA53200906.A	377	FA53202018.A	692	FA53302106-310	692	FA53305206-310	695	FA533344-310
377	FA53200912-300.B	377	FA53202030-300.B	692	FA53302112	692	FA53305212	692	FA533421
377	FA53200912-310.A	377	FA53202030-310.A	692	FA53302112-300	692	FA53305212-300	692	FA533421-300
377	FA53200912.A	377	FA53202030.A	692	FA53302112-310	692	FA53305212-310	692	FA533421-310
377	FA53200918-300.B	377	FA53202033-300.B	692	FA53302118	692	FA53305218	693	FA533422
377	FA53200918-310.A	377	FA53202033-310.A	692	FA53302118-300	692	FA53305218-300	693	FA533422-300
377	FA53200918.A	377	FA53202033.A	692	FA53302118-310	692	FA53305218-310	693	FA533422-310
377	FA53200930-300.B	696	FA53300101	692	FA53302130	692	FA53305230	693	FA533423
377	FA53200930-310.A	696	FA53300106	692	FA53302130-300	692	FA53305230-300	693	FA533423-300
377	FA53200930.A	696	FA53300112	692	FA53302130-310	692	FA53305230-310	693	FA533423-310
377	FA53200933-300.B	696	FA53300118	692	FA53302133	692	FA53305233	693	FA533424
377	FA53200933-310.A	696	FA53300130	692	FA53302133-300	692	FA53305233-300	693	FA533424-300
377	FA53200933.A	696	FA53300133	692	FA53302133-310	692	FA53305233-310	693	FA533424-310
376	FA53201401-300.B	696	FA53300201	692	FA53302201	696	FA533221	692	FA533431
376	FA53201401-310.A	696	FA53300206	692	FA53302201-300	696	FA533222	692	FA533431-300
376	FA53201401.A	696	FA53300212	692	FA53302201-310	697	FA533223	692	FA533431-310
376	FA53201406-300.B	696	FA53300218	692	FA53302206	697	FA533224	693	FA533432
376	FA53201406-310.A	696	FA53300230	692	FA53302206-300	696	FA533231	693	FA533432-300
376	FA53201406.A	696	FA53300233	692	FA53302206-310	696	FA533232	693	FA533432-310
376	FA53201412-300.B	694	FA53301101	692	FA53302212	697	FA533233	693	FA533433
376	FA53201412-310.A	694	FA53301101-300	692	FA53302212-300	697	FA533234	693	FA533433-300
376	FA53201412.A	694	FA53301101-310	692	FA53302212-310	696	FA533241	693	FA533433-310
376	FA53201418-300.B	694	FA53301106	692	FA53302218	696	FA533242	693	FA533434
376	FA53201418-310.A	694	FA53301106-300	692	FA53302218-300	697	FA533243	693	FA533434-300
376	FA53201418.A	694	FA53301106-310	692	FA53302218-310	697	FA533244	693	FA533434-310
376	FA53201430-300.B	694	FA53301112	692	FA53302230	694	FA533321	692	FA533441
376	FA53201430-310.A	694	FA53301112-300	692	FA53302230-300	694	FA533321-300	692	FA533441-300
376	FA53201430.A	694	FA53301112-310	692	FA53302230-310	694	FA533321-310	692	FA533441-310
376	FA53201433-300.B	694	FA53301118	692	FA53302233	695	FA533322	693	FA533442
376	FA53201433-310.A	694	FA53301118-300	692	FA53302233-300	695	FA533322-300	693	FA533442-300
376	FA53201433.A	694	FA53301118-310	692	FA53302233-310	695	FA533322-310	693	FA533442-310
376	FA53201701-300.B	694	FA53301130	696	FA53305001	695	FA533323	693	FA533443
376	FA53201701-310.A	694	FA53301130-300	696	FA53305006	695	FA533323-300	693	FA533443-300
376	FA53201701.A	694	FA53301130-310	696	FA53305012	695	FA533323-310	693	FA533443-310
376	FA53201706-300.B	694	FA53301133	696	FA53305018	695	FA533324	693	FA533444
376	FA53201706-310.A	694	FA53301133-300	696	FA53305030	695	FA533324-300	693	FA533444-300
376	FA53201706.A	694	FA53301133-310	696	FA53305033	695	FA533324-310	693	FA533444-310
376	FA53201712-300.B	694	FA53301201	694	FA53305101	694	FA533331	490	FA53400256.A
376	FA53201712-310.A	694	FA53301201-300	694	FA53305101-300	694	FA533331-300	490	FA53400356.A
376	FA53201712.A	694	FA53301201-310	694	FA53305101-310	694	FA533331-310	490	FA53400556.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
490	FA53400656.A	486	FA53404356	511	FA53500301	514	FA53501801	512	FA53503301
490	FA53400856.A	486	FA53404356-300	511	FA53500306	514	FA53501806	512	FA53503306
490	FA53400956.A	486	FA53404356-310	511	FA53500312	514	FA53501812	512	FA53503312
491	FA53401156.A	487	FA53404556	511	FA53500318	514	FA53501818	512	FA53503318
491	FA53401256.A	487	FA53404556-300	511	FA53500330	514	FA53501830	512	FA53503330
491	FA53401456	487	FA53404556-310	511	FA53500333	514	FA53501833	512	FA53503333
491	FA53401556	487	FA53404656	513	FA53500501	511	FA53502001	514	FA53503501
491	FA53401756	487	FA53404656-300	513	FA53500506	511	FA53502006	514	FA53503506
491	FA53401856	487	FA53404656-310	513	FA53500512	511	FA53502012	514	FA53503512
488	FA53402056	487	FA53404756	513	FA53500518	511	FA53502018	514	FA53503518
488	FA53402056-300	487	FA53404756-300	513	FA53500530	511	FA53502030	514	FA53503530
488	FA53402056-310	487	FA53404756-310.A	513	FA53500533	511	FA53502033	514	FA53503533
488	FA53402156	487	FA53404856-300.A	513	FA53500601	511	FA53502101	514	FA53503601
488	FA53402156-300	487	FA53404856-310.A	513	FA53500606	511	FA53502106	514	FA53503606
488	FA53402156-310	487	FA53404856.A	513	FA53500612	511	FA53502112	514	FA53503612
488	FA53402356	490	FA53405156.A	513	FA53500618	511	FA53502118	514	FA53503618
488	FA53402356-300	490	FA53405256.A	513	FA53500630	511	FA53502130	514	FA53503630
488	FA53402356-310	490	FA53405356.A	513	FA53500633	511	FA53502133	514	FA53503633
488	FA53402456	491	FA53405456.A	515	FA53500801	513	FA53502301	511	FA53504101
488	FA53402456-300	491	FA53405556	515	FA53500806	513	FA53502306	511	FA53504106
488	FA53402456-310	491	FA53405656	515	FA53500812	513	FA53502312	511	FA53504112
488	FA53402656	488	FA53405756	515	FA53500818	513	FA53502318	511	FA53504118
488	FA53402656-300	488	FA53405756-300	515	FA53500830	513	FA53502330	511	FA53504130
488	FA53402656-310	488	FA53405756-310	515	FA53500833	513	FA53502333	511	FA53504133
488	FA53402756	488	FA53405856	515	FA53500901	513	FA53502401	511	FA53504201
488	FA53402756-300	488	FA53405856-300	515	FA53500906	513	FA53502406	511	FA53504206
488	FA53402756-310	488	FA53405856-310	515	FA53500912	513	FA53502412	511	FA53504212
489	FA53402956	488	FA53405956	515	FA53500918	513	FA53502418	511	FA53504218
489	FA53402956-300	488	FA53405956-300	515	FA53500930	513	FA53502430	511	FA53504230
489	FA53402956-310	488	FA53405956-310	515	FA53500933	513	FA53502433	511	FA53504233
489	FA53403056	489	FA53406056	510	FA53501101	515	FA53502601	513	FA53504301
489	FA53403056-300	489	FA53406056-300	510	FA53501106	515	FA53502606	513	FA53504306
489	FA53403056-310	489	FA53406056-310	510	FA53501112	515	FA53502612	513	FA53504312
489	FA53403156-300.B	489	FA53406156-300.B	510	FA53501118	515	FA53502618	513	FA53504318
489	FA53403156-310.A	489	FA53406156-310.A	510	FA53501130	515	FA53502630	513	FA53504330
489	FA53403156.A	489	FA53406156.A	510	FA53501133	515	FA53502633	513	FA53504333
489	FA53403256	489	FA53406256-300.B	510	FA53501201	515	FA53502701	513	FA53504401
489	FA53403256-300.A	489	FA53406256-310.A	510	FA53501206	515	FA53502706	513	FA53504406
489	FA53403256-310	489	FA53406256.A	510	FA53501212	515	FA53502712	513	FA53504412
489	FA53403356-300.B	486	FA53406356	510	FA53501218	515	FA53502718	513	FA53504418
489	FA53403356-310.A	486	FA53406356-300	510	FA53501230	515	FA53502730	513	FA53504430
489	FA53403356.A	486	FA53406356-310	510	FA53501233	515	FA53502733	513	FA53504433
489	FA53403456	486	FA53406456	512	FA53501401	510	FA53502901	515	FA53504501
489	FA53403456-300.A	486	FA53406456-300	512	FA53501406	510	FA53502906	515	FA53504506
489	FA53403456-310	486	FA53406456-310	512	FA53501412	510	FA53502912	515	FA53504512
486	FA53403656	486	FA53406556	512	FA53501418	510	FA53502918	515	FA53504518
486	FA53403656-300	486	FA53406556-300	512	FA53501430	510	FA53502930	515	FA53504530
486	FA53403656-310	486	FA53406556-310	512	FA53501433	510	FA53502933	515	FA53504533
486	FA53403756	487	FA53406656	512	FA53501501	510	FA53503001	515	FA53504601
486	FA53403756-300	487	FA53406656-300	512	FA53501506	510	FA53503006	515	FA53504606
486	FA53403756-310	487	FA53406656-310	512	FA53501512	510	FA53503012	515	FA53504612
486	FA53403956	487	FA53406756-300.A	512	FA53501518	510	FA53503018	515	FA53504618
486	FA53403956-300	487	FA53406756-310.A	512	FA53501530	510	FA53503030	515	FA53504630
486	FA53403956-310	487	FA53406756.A	512	FA53501533	510	FA53503033	515	FA53504633
486	FA53404056	511	FA53500201	514	FA53501701	512	FA53503201	510	FA53504701
486	FA53404056-300	511	FA53500206	514	FA53501706	512	FA53503206	510	FA53504706
486	FA53404056-310	511	FA53500212	514	FA53501712	512	FA53503212	510	FA53504712
486	FA53404256	511	FA53500218	514	FA53501718	512	FA53503218	510	FA53504718
486	FA53404256-300	511	FA53500230	514	FA53501730	512	FA53503230	510	FA53504730
486	FA53404256-310	511	FA53500233	514	FA53501733	512	FA53503233	510	FA53504733

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
510	FA53504801	705	FA53602056-300	706	FA53604001-300.A	705	FA53611856	821	FA53900206
510	FA53504806	705	FA53602056-310	706	FA53604001-310	705	FA53611856-300	821	FA53900206-300
510	FA53504812	705	FA53602101-300.A	706	FA53604101-300.B	705	FA53611856-310	821	FA53900206-310
510	FA53504818	705	FA53602101-310.A	706	FA53604101-310.A	705	FA53612056	821	FA53900233
510	FA53504830	705	FA53602101.A	706	FA53604101.A	705	FA53612056-300	821	FA53900233-300
510	FA53504833	705	FA53602201	706	FA53604201	705	FA53612056-310	821	FA53900233-310
512	FA53504901	705	FA53602201-300	706	FA53604201-300.A	705	FA53612201-300.A	821	FA53900306
512	FA53504906	705	FA53602201-310	706	FA53604201-310	705	FA53612201-310.A	821	FA53900306-300
512	FA53504912	705	FA53602301-300.A	706	FA53604301-300.B	705	FA53612201.A	821	FA53900306-310
512	FA53504918	705	FA53602301-310.A	706	FA53604301-310.A	705	FA53612401-300.A	821	FA53900333
512	FA53504930	705	FA53602301.A	706	FA53604301.A	705	FA53612401-310.A	821	FA53900333-300
512	FA53504933	705	FA53602401	706	FA53604401	705	FA53612401.A	821	FA53900333-310
512	FA53505001	705	FA53602401-300	706	FA53604401-300.A	705	FA53612601	821	FA53900506
512	FA53505006	705	FA53602401-310	706	FA53604401-310	705	FA53612601-300	821	FA53900506-300
512	FA53505012	705	FA53602501	707	FA53604756-300.A	705	FA53612601-310	821	FA53900506-310
512	FA53505018	705	FA53602501-300	707	FA53604756-310.A	705	FA53612801	821	FA53900533
512	FA53505030	705	FA53602501-310	707	FA53604756.A	705	FA53612801-300	821	FA53900533-300
512	FA53505033	705	FA53602601	707	FA53604856-300.A	705	FA53612801-310	821	FA53900533-310
514	FA53505101	705	FA53602601-300	707	FA53604856-310.A	706	FA53613056-300.B	821	FA53900606
514	FA53505106	705	FA53602601-310	707	FA53604856.A	706	FA53613056-310.B	821	FA53900606-300
514	FA53505112	705	FA53602701	707	FA53604956-300.A	706	FA53613056.A	821	FA53900606-310
514	FA53505118	705	FA53602701-300	707	FA53604956-310.A	706	FA53613256-300.B	821	FA53900633
514	FA53505130	705	FA53602701-310	707	FA53604956.A	706	FA53613256-310.A	821	FA53900633-300
514	FA53505133	705	FA53602801	707	FA53605056-300.A	706	FA53613256.A	821	FA53900633-310
514	FA53505201	705	FA53602801-300	707	FA53605056-310.A	706	FA53613456-300.B	821	FA53900806
514	FA53505206	705	FA53602801-310	707	FA53605056.A	706	FA53613456-310.A	821	FA53900806-300
514	FA53505212	706	FA53602956-300.B	707	FA53605156-300.A	706	FA53613456.A	821	FA53900806-310
514	FA53505218	706	FA53602956-310.A	707	FA53605156-310.A	706	FA53613656-300.B	821	FA53900833
514	FA53505230	706	FA53602956.A	707	FA53605156.A	706	FA53613656-310.A	821	FA53900833-300
514	FA53505233	706	FA53603056	707	FA53605256-300.A	706	FA53613656.A	821	FA53900833-310
704	FA53600256	706	FA53603056-300.B	707	FA53605256-310.A	706	FA53613801-300.B	821	FA53900906
704	FA53600356	706	FA53603056-310	707	FA53605256.A	706	FA53613801-310.A	821	FA53900906-300
704	FA53600556	706	FA53603156-300.B	707	FA53605501-300.A	706	FA53613801.A	821	FA53900906-310
704	FA53600656	706	FA53603156-310.A	707	FA53605501-310.A	706	FA53614001-300.B	821	FA53900933
704	FA53600801	706	FA53603156.A	707	FA53605501.A	706	FA53614001-310.A	821	FA53900933-300
704	FA53600901	706	FA53603256	707	FA53605601-300.A	706	FA53614001.A	821	FA53900933-310
704	FA53601101	706	FA53603256-300.A	707	FA53605601-310.A	706	FA53614201-300.A	822	FA53901106
704	FA53601201	706	FA53603256-310	707	FA53605601.A	706	FA53614201-310.A	822	FA53901106-300
705	FA53601356-300.A	706	FA53603356-300.A	707	FA53605701-300.A	706	FA53614201.A	822	FA53901106-310
705	FA53601356-310.A	706	FA53603356-310.A	707	FA53605701-310.A	706	FA53614401-300.B	822	FA53901133
705	FA53601356.A	706	FA53603356.A	707	FA53605701.A	706	FA53614401-310.B	822	FA53901133-300
705	FA53601456	706	FA53603456	707	FA53605801-300.A	706	FA53614401.A	822	FA53901133-310
705	FA53601456-300	706	FA53603456-300.A	707	FA53605801-310.A	707	FA53614856-300.A	822	FA53901206
705	FA53601456-310	706	FA53603456-310.A	707	FA53605801.A	707	FA53614856-310.A	822	FA53901206-300
705	FA53601556-300.A	706	FA53603556-300.B	707	FA53605901-300.A	707	FA53614856.A	822	FA53901206-310
705	FA53601556-310.A	706	FA53603556-310.A	707	FA53605901-310.A	707	FA53615056-300.A	822	FA53901233
705	FA53601556.A	706	FA53603556.A	707	FA53605901.A	707	FA53615056-310.A	822	FA53901233-300
705	FA53601656	706	FA53603656	707	FA53606001-300.A	707	FA53615056.A	822	FA53901233-310
705	FA53601656-300	706	FA53603656-300.B	707	FA53606001-310.A	707	FA53615256-300.A	822	FA53901406
705	FA53601656-310	706	FA53603656-310	707	FA53606001.A	707	FA53615256-310.A	822	FA53901406-300
705	FA53601756	706	FA53603701-300.B	704	FA53610356	707	FA53615256.A	822	FA53901406-310
705	FA53601756-300	706	FA53603701-310.A	704	FA53610656	707	FA53615601-300.A	822	FA53901433
705	FA53601756-310	706	FA53603701.A	704	FA53610901	707	FA53615601-310.A	822	FA53901433-300
705	FA53601856	706	FA53603801	704	FA53611201	707	FA53615601.A	822	FA53901433-310
705	FA53601856-300	706	FA53603801-300.A	705	FA53611456-300.A	707	FA53615801-300.A	822	FA53901506
705	FA53601856-310	706	FA53603801-310	705	FA53611456-310.A	707	FA53615801-310.A	822	FA53901506-300
705	FA53601956	706	FA53603901-300.B	705	FA53611456.A	707	FA53615801.A	822	FA53901506-310
705	FA53601956-300	706	FA53603901-310.A	705	FA53611656-300.A	707	FA53616001-300.A	822	FA53901533
705	FA53601956-310	706	FA53603901.A	705	FA53611656-310.A	707	FA53616001-310.A	822	FA53901533-300
705	FA53602056	706	FA53604001	705	FA53611656.A	707	FA53616001.A	822	FA53901533-310

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
822	FA53901706	824	FA53903206	818	FA53904706	819	FA53906206	816	FA53907606
822	FA53901706-300	824	FA53903206-300	818	FA53904706-300	819	FA53906206-300	816	FA53907606-300
822	FA53901706-310	824	FA53903206-310	818	FA53904706-310	819	FA53906206-310	816	FA53907606-310
822	FA53901733	824	FA53903233	818	FA53904733	819	FA53906233	816	FA53907633
822	FA53901733-300	824	FA53903233-300	818	FA53904733-300	819	FA53906233-300	816	FA53907633-300
822	FA53901733-310	824	FA53903233-310	818	FA53904733-310	819	FA53906233-310	816	FA53907633-310
822	FA53901806	824	FA53903306	818	FA53904806	819	FA53906306	817	FA53907806
822	FA53901806-300	824	FA53903306-300	818	FA53904806-300	819	FA53906306-300	817	FA53907806-300
822	FA53901806-310	824	FA53903306-310	818	FA53904806-310	819	FA53906306-310	817	FA53907806-310
822	FA53901833	824	FA53903333	818	FA53904833	819	FA53906333	817	FA53907833
822	FA53901833-300	824	FA53903333-300	818	FA53904833-300	819	FA53906333-300	817	FA53907833-300
822	FA53901833-310	824	FA53903333-310	818	FA53904833-310	819	FA53906333-310	817	FA53907833-310
823	FA53902006	824	FA53903506	818	FA53905006	820	FA53906506	817	FA53908006
823	FA53902006-300	824	FA53903506-300	818	FA53905006-300	820	FA53906506-300	817	FA53908006-300
823	FA53902006-310	824	FA53903506-310	818	FA53905006-310	820	FA53906506-310	817	FA53908006-310
823	FA53902033	824	FA53903533	818	FA53905033	820	FA53906533	817	FA53908033
823	FA53902033-300	824	FA53903533-300	818	FA53905033-300	820	FA53906533-300	817	FA53908033-300
823	FA53902033-310	824	FA53903533-310	818	FA53905033-310	820	FA53906533-310	817	FA53908033-310
823	FA53902106	824	FA53903606	818	FA53905106	820	FA53906606	817	FA53908206
823	FA53902106-300	824	FA53903606-300	818	FA53905106-300	820	FA53906606-300	817	FA53908206-300
823	FA53902106-310	824	FA53903606-310	818	FA53905106-310	820	FA53906606-310	817	FA53908206-310
823	FA53902133	824	FA53903633	818	FA53905133	820	FA53906633	817	FA53908233
823	FA53902133-300	824	FA53903633-300	818	FA53905133-300	820	FA53906633-300	817	FA53908233-300
823	FA53902133-310	824	FA53903633-310	818	FA53905133-310	820	FA53906633-310	817	FA53908233-310
823	FA53902306	817	FA53903806	818	FA53905306	820	FA53906806	818	FA53908406
823	FA53902306-300	817	FA53903806-300	818	FA53905306-300	820	FA53906806-300	818	FA53908406-300
823	FA53902306-310	817	FA53903806-310	818	FA53905306-310	820	FA53906806-310	818	FA53908406-310
823	FA53902333	817	FA53903833	818	FA53905333	820	FA53906833	818	FA53908433
823	FA53902333-300	817	FA53903833-300	818	FA53905333-300	820	FA53906833-300	818	FA53908433-300
823	FA53902333-310	817	FA53903833-310	818	FA53905333-310	820	FA53906833-310	818	FA53908433-310
823	FA53902406	817	FA53903906	818	FA53905406	820	FA53906906	818	FA53908606
823	FA53902406-300	817	FA53903906-300	818	FA53905406-300	820	FA53906906-300	818	FA53908606-300
823	FA53902406-310	817	FA53903906-310	818	FA53905406-310	820	FA53906906-310	818	FA53908606-310
823	FA53902433	817	FA53903933	818	FA53905433	820	FA53906933	818	FA53908633
823	FA53902433-300	817	FA53903933-300	818	FA53905433-300	820	FA53906933-300	818	FA53908633-300
823	FA53902433-310	817	FA53903933-310	818	FA53905433-310	820	FA53906933-310	818	FA53908633-310
823	FA53902606	817	FA53904106	819	FA53905606	820	FA53907106	818	FA53908806
823	FA53902606-300	817	FA53904106-300	819	FA53905606-300	820	FA53907106-300	818	FA53908806-300
823	FA53902606-310	817	FA53904106-310	819	FA53905606-310	820	FA53907106-310	818	FA53908806-310
823	FA53902633	817	FA53904133	819	FA53905633	820	FA53907133	818	FA53908833
823	FA53902633-300	817	FA53904133-300	819	FA53905633-300	820	FA53907133-300	818	FA53908833-300
823	FA53902633-310	817	FA53904133-310	819	FA53905633-310	820	FA53907133-310	818	FA53908833-310
823	FA53902706	817	FA53904206	819	FA53905706	820	FA53907206	819	FA53909006
823	FA53902706-300	817	FA53904206-300	819	FA53905706-300	820	FA53907206-300	819	FA53909006-300
823	FA53902706-310	817	FA53904206-310	819	FA53905706-310	820	FA53907206-310	819	FA53909006-310
823	FA53902733	817	FA53904233	819	FA53905733	820	FA53907233	819	FA53909033
823	FA53902733-300	817	FA53904233-300	819	FA53905733-300	820	FA53907233-300	819	FA53909033-300
823	FA53902733-310	817	FA53904233-310	819	FA53905733-310	820	FA53907233-310	819	FA53909033-310
824	FA53902906	817	FA53904406	819	FA53905906	816	FA53907406	819	FA53909206
824	FA53902906-300	817	FA53904406-300	819	FA53905906-300	816	FA53907406-300	819	FA53909206-300
824	FA53902906-310	817	FA53904406-310	819	FA53905906-310	816	FA53907406-310	819	FA53909206-310
824	FA53902933	817	FA53904433	819	FA53905933	816	FA53907433	819	FA53909233
824	FA53902933-300	817	FA53904433-300	819	FA53905933-300	816	FA53907433-300	819	FA53909233-300
824	FA53902933-310	817	FA53904433-310	819	FA53905933-310	816	FA53907433-310	819	FA53909233-310
824	FA53903006	817	FA53904506	819	FA53906006	816	FA53907506	819	FA53909406
824	FA53903006-300	817	FA53904506-300	819	FA53906006-300	816	FA53907506-300	819	FA53909406-300
824	FA53903006-310	817	FA53904506-310	819	FA53906006-310	816	FA53907506-310	819	FA53909406-310
824	FA53903033	817	FA53904533	819	FA53906033	816	FA53907533	819	FA53909433
824	FA53903033-300	817	FA53904533-300	819	FA53906033-300	816	FA53907533-300	819	FA53909433-300
824	FA53903033-310	817	FA53904533-310	819	FA53906033-310	816	FA53907533-310	819	FA53909433-310

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
820	FA53909606	823	FA53911606	821	FA53914006	822	FA53916006	823	FA53918006
820	FA53909606-300	823	FA53911606-300	821	FA53914006-300	822	FA53916006-300	823	FA53918006-300
820	FA53909606-310	823	FA53911606-310	821	FA53914006-310	822	FA53916006-310	823	FA53918006-310
820	FA53909633	823	FA53911633	821	FA53914033	822	FA53916033	823	FA53918033
820	FA53909633-300	823	FA53911633-300	821	FA53914033-300	822	FA53916033-300	823	FA53918033-300
820	FA53909633-310	823	FA53911633-310	821	FA53914033-310	822	FA53916033-310	823	FA53918033-310
820	FA53909806	823	FA53911806	822	FA53914206	823	FA53916206	824	FA53918206
820	FA53909806-300	823	FA53911806-300	822	FA53914206-300	823	FA53916206-300	824	FA53918206-300
820	FA53909806-310	823	FA53911806-310	822	FA53914206-310	823	FA53916206-310	824	FA53918206-310
820	FA53909833	823	FA53911833	822	FA53914233	823	FA53916233	824	FA53918233
820	FA53909833-300	823	FA53911833-300	822	FA53914233-300	823	FA53916233-300	824	FA53918233-300
820	FA53909833-310	823	FA53911833-310	822	FA53914233-310	823	FA53916233-310	824	FA53918233-310
820	FA53910006	824	FA53912006	823	FA53914406	824	FA53916406	716	FA54000101.A
820	FA53910006-300	824	FA53912006-300	823	FA53914406-300	824	FA53916406-300	716	FA54000106.A
820	FA53910006-310	824	FA53912006-310	823	FA53914406-310	824	FA53916406-310	716	FA54000112.A
820	FA53910033	824	FA53912033	823	FA53914433	824	FA53916433	716	FA54000118.A
820	FA53910033-300	824	FA53912033-300	823	FA53914433-300	824	FA53916433-300	716	FA54000130.A
820	FA53910033-310	824	FA53912033-310	823	FA53914433-310	824	FA53916433-310	716	FA54000133.A
821	FA53910206	824	FA53912206	824	FA53914606	816	FA53916606	716	FA54000201.A
821	FA53910206-300	824	FA53912206-300	824	FA53914606-300	816	FA53916606-300	716	FA54000206.A
821	FA53910206-310	824	FA53912206-310	824	FA53914606-310	816	FA53916606-310	716	FA54000212.A
821	FA53910233	824	FA53912233	824	FA53914633	816	FA53916633	716	FA54000218.A
821	FA53910233-300	824	FA53912233-300	824	FA53914633-300	816	FA53916633-300	716	FA54000230.A
821	FA53910233-310	824	FA53912233-310	824	FA53914633-310	816	FA53916633-310	716	FA54000233.A
821	FA53910406	824	FA53912406	816	FA53914806	817	FA53916806	717	FA54000301
821	FA53910406-300	824	FA53912406-300	816	FA53914806-300	817	FA53916806-300	717	FA54000306
821	FA53910406-310	824	FA53912406-310	816	FA53914806-310	817	FA53916806-310	717	FA54000312
821	FA53910433	824	FA53912433	816	FA53914833	817	FA53916833	717	FA54000318
821	FA53910433-300	824	FA53912433-300	816	FA53914833-300	817	FA53916833-300	717	FA54000330
821	FA53910433-310	824	FA53912433-310	816	FA53914833-310	817	FA53916833-310	717	FA54000333
821	FA53910606	816	FA53913006	817	FA53915006	818	FA53917006	724	FA54100201
821	FA53910606-300	816	FA53913006-300	817	FA53915006-300	818	FA53917006-300	724	FA54100206
821	FA53910606-310	816	FA53913006-310	817	FA53915006-310	818	FA53917006-310	724	FA54100212
821	FA53910633	816	FA53913033	817	FA53915033	818	FA53917033	724	FA54100218
821	FA53910633-300	816	FA53913033-300	817	FA53915033-300	818	FA53917033-300	724	FA54100230
821	FA53910633-310	816	FA53913033-310	817	FA53915033-310	818	FA53917033-310	724	FA54100233
822	FA53910806	817	FA53913206	818	FA53915206	819	FA53917206	724	FA54100301
822	FA53910806-300	817	FA53913206-300	818	FA53915206-300	819	FA53917206-300	724	FA54100306
822	FA53910806-310	817	FA53913206-310	818	FA53915206-310	819	FA53917206-310	724	FA54100312
822	FA53910833	817	FA53913233	818	FA53915233	819	FA53917233	724	FA54100318
822	FA53910833-300	817	FA53913233-300	818	FA53915233-300	819	FA53917233-300	724	FA54100330
822	FA53910833-310	817	FA53913233-310	818	FA53915233-310	819	FA53917233-310	724	FA54100333
822	FA53911006	818	FA53913406	819	FA53915406	820	FA53917406	724	FA54100501
822	FA53911006-300	818	FA53913406-300	819	FA53915406-300	820	FA53917406-300	724	FA54100506
822	FA53911006-310	818	FA53913406-310	819	FA53915406-310	820	FA53917406-310	724	FA54100512
822	FA53911033	818	FA53913433	819	FA53915433	820	FA53917433	724	FA54100518
822	FA53911033-300	818	FA53913433-300	819	FA53915433-300	820	FA53917433-300	724	FA54100530
822	FA53911033-310	818	FA53913433-310	819	FA53915433-310	820	FA53917433-310	724	FA54100533
822	FA53911206	819	FA53913606	820	FA53915606	821	FA53917606	724	FA54100601
822	FA53911206-300	819	FA53913606-300	820	FA53915606-300	821	FA53917606-300	724	FA54100606
822	FA53911206-310	819	FA53913606-310	820	FA53915606-310	821	FA53917606-310	724	FA54100612
822	FA53911233	819	FA53913633	820	FA53915633	821	FA53917633	724	FA54100618
822	FA53911233-300	819	FA53913633-300	820	FA53915633-300	821	FA53917633-300	724	FA54100630
822	FA53911233-310	819	FA53913633-310	820	FA53915633-310	821	FA53917633-310	724	FA54100633
823	FA53911406	820	FA53913806	821	FA53915806	822	FA53917806	725	FA54100701.A
823	FA53911406-300	820	FA53913806-300	821	FA53915806-300	822	FA53917806-300	725	FA54100706.A
823	FA53911406-310	820	FA53913806-310	821	FA53915806-310	822	FA53917806-310	725	FA54100712.A
823	FA53911433	820	FA53913833	821	FA53915833	822	FA53917833	725	FA54100718.A
823	FA53911433-300	820	FA53913833-300	821	FA53915833-300	822	FA53917833-300	725	FA54100730.A
823	FA53911433-310	820	FA53913833-310	821	FA53915833-310	822	FA53917833-310	725	FA54100733.A

Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
725	FA54100801.A	726	FA54101333.A	726	FA54103230.A	672	FA54200518	779	FA9033
725	FA54100806.A	726	FA54101401.A	726	FA54103233.A	672	FA54200530	778	FA9306
725	FA54100812.A	726	FA54101406.A	726	FA54103401.A	672	FA54200533	778	FA9333
725	FA54100818.A	726	FA54101412.A	726	FA54103406.A	672	FA54200601	778	FA9406
725	FA54100830.A	726	FA54101418.A	726	FA54103412.A	672	FA54200606	780	FA942842401.A
725	FA54100833.A	726	FA54101430.A	726	FA54103418.A	672	FA54200612	780	FA942842406.A
725	FA54100901.A	726	FA54101433.A	726	FA54103430.A	672	FA54200618	780	FA942842412.A
725	FA54100906.A	724	FA54102301	726	FA54103433.A	672	FA54200630	780	FA942842418.A
725	FA54100912.A	724	FA54102306	727	FA54110001	672	FA54200633	780	FA942842430.A
725	FA54100918.A	724	FA54102312	727	FA54110006	672	FA54200701	780	FA942842433.A
725	FA54100930.A	724	FA54102318	727	FA54110012	672	FA54200706	780	FA942851401.A
725	FA54100933.A	724	FA54102330	727	FA54110018	672	FA54200712	780	FA942851406.A
725	FA54101001.A	724	FA54102333	727	FA54110030	672	FA54200718	780	FA942851412.A
725	FA54101006.A	724	FA54102601	727	FA54110033	672	FA54200730	780	FA942851418.A
725	FA54101012.A	724	FA54102606	727	FA54110201	672	FA54200733	780	FA942851430.A
725	FA54101018.A	724	FA54102612	727	FA54110206	672	FA54200901	780	FA942851433.A
725	FA54101030.A	724	FA54102618	727	FA54110212	672	FA54200906	778	FA9433
725	FA54101033.A	724	FA54102630	727	FA54110218	672	FA54200912	778	FA9506
726	FA54101101.A	724	FA54102633	727	FA54110230	672	FA54200918	778	FA9533
726	FA54101106.A	725	FA54102801.A	727	FA54110233	672	FA54200930	778	FA9606
726	FA54101112.A	725	FA54102806.A	672	FA54200201	672	FA54200933	776	FA962821301.A
726	FA54101118.A	725	FA54102812.A	672	FA54200206	746	FA68	776	FA962821306.A
726	FA54101130.A	725	FA54102818.A	672	FA54200212	779	FA7806	776	FA962821312.A
726	FA54101133.A	725	FA54102830.A	672	FA54200218	779	FA7833	776	FA962821318.A
726	FA54101201.A	725	FA54102833.A	672	FA54200230	779	FA7906	776	FA962821330.A
726	FA54101206.A	725	FA54103001.A	672	FA54200233	779	FA7933	776	FA962821333.A
726	FA54101212.A	725	FA54103006.A	672	FA54200301	774	FA8801	776	FA962821401.A
726	FA54101218.A	725	FA54103012.A	672	FA54200306	774	FA8806	776	FA962821406.A
726	FA54101230.A	725	FA54103018.A	672	FA54200312	774	FA8812	776	FA962821412.A
726	FA54101233.A	725	FA54103030.A	672	FA54200318	774	FA8818	776	FA962821418.A
726	FA54101301.A	725	FA54103033.A	672	FA54200330	774	FA8830	776	FA962821430.A
726	FA54101306.A	726	FA54103201.A	672	FA54200333	774	FA8833	776	FA962821433.A
726	FA54101312.A	726	FA54103206.A	672	FA54200501	779	FA8906	776	FA962831301.A
726	FA54101318.A	726	FA54103212.A	672	FA54200506	779	FA8933	776	FA962831306.A
726	FA54101330.A	726	FA54103218.A	672	FA54200512	779	FA9006	776	FA962831312.A

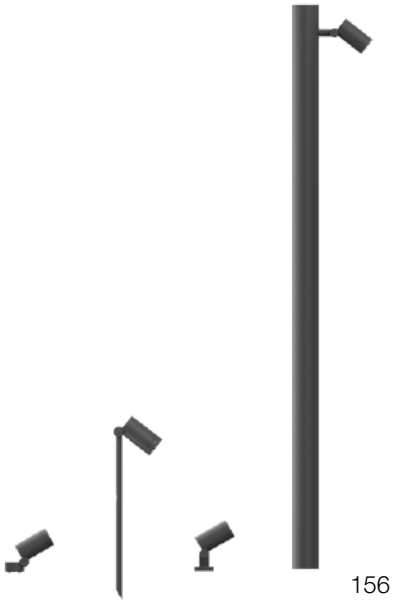
Page	Reference	Page	Reference	Page	Reference	Page	Reference	Page	Reference
776	FA962831318.A	781	FA972471330-310.A	781	FA972472330	781	FA972481318-310	780	FA972841430.A
776	FA962831330.A	781	FA972471330.A	781	FA972472330-300	781	FA972481330	780	FA972841433.A
776	FA962831333.A	781	FA972471333-300.A	781	FA972472330-310	781	FA972481330-300	780	FA972842301.A
776	FA962831401.A	781	FA972471333-310.A	781	FA972472333	781	FA972481330-310	780	FA972842306.A
776	FA962831406.A	781	FA972471333.A	781	FA972472333-300	781	FA972481333	780	FA972842312.A
776	FA962831412.A	781	FA972471401-300.A	781	FA972472333-310	781	FA972481333-300	780	FA972842318.A
776	FA962831418.A	781	FA972471401-310.A	781	FA972472401	781	FA972481333-310	780	FA972842330.A
776	FA962831430.A	781	FA972471401.A	781	FA972472401-300	781	FA972481401	780	FA972842333.A
776	FA962831433.A	781	FA972471406-300.A	781	FA972472401-310	781	FA972481401-300	780	FA972851301.A
776	FA962832301.A	781	FA972471406-310.A	781	FA972472406	781	FA972481401-310	780	FA972851306.A
776	FA962832306.A	781	FA972471406.A	781	FA972472406-300	781	FA972481406	780	FA972851312.A
776	FA962832312.A	781	FA972471412-300.A	781	FA972472406-310	781	FA972481406-300	780	FA972851318.A
776	FA962832318.A	781	FA972471412-310.A	781	FA972472412	781	FA972481406-310	780	FA972851330.A
776	FA962832330.A	781	FA972471412.A	781	FA972472412-300	781	FA972481412	780	FA972851333.A
776	FA962832333.A	781	FA972471418-300.A	781	FA972472412-310	781	FA972481412-300	539	FA98
776	FA962832401.A	781	FA972471418-310.A	781	FA972472418	781	FA972481412-310	539	FA99
776	FA962832406.A	781	FA972471418.A	781	FA972472418-300	781	FA972481418	625	RF25746
776	FA962832412.A	781	FA972471430-300.A	781	FA972472418-310	781	FA972481418-300	309	RF25747
776	FA962832418.A	781	FA972471430-310.A	781	FA972472430	781	FA972481418-310	309	RF25748
776	FA962832430.A	781	FA972471430.A	781	FA972472430-300	781	FA972481430	407	RF25750
776	FA962832433.A	781	FA972471433-300.A	781	FA972472430-310	781	FA972481430-300	406	RF25752
778	FA9633	781	FA972471433-310.A	781	FA972472433	781	FA972481430-310	625	RF25753
781	FA972471301-300.A	781	FA972471433.A	781	FA972472433-300	781	FA972481433	309	RF25754
781	FA972471301-310.A	781	FA972472301	781	FA972472433-310	781	FA972481433-300	309	RF25757
781	FA972471301.A	781	FA972472301-300	781	FA972481301	781	FA972481433-310	407	RF26387.A
781	FA972471306-300.A	781	FA972472301-310	781	FA972481301-300	780	FA972841301.A	290	RF26998
781	FA972471306-310.A	781	FA972472306	781	FA972481301-310	780	FA972841306.A	256	RF32288
781	FA972471306.A	781	FA972472306-300	781	FA972481306	780	FA972841312.A	256	RF32289
781	FA972471312-300.A	781	FA972472306-310	781	FA972481306-300	780	FA972841318.A	256	RF32290
781	FA972471312-310.A	781	FA972472312	781	FA972481306-310	780	FA972841330.A	256	RF32291
781	FA972471312.A	781	FA972472312-300	781	FA972481312	780	FA972841333.A		
781	FA972471318-300.A	781	FA972472312-310	781	FA972481312-300	780	FA972841401.A		
781	FA972471318-310.A	781	FA972472318	781	FA972481312-310	780	FA972841406.A		
781	FA972471318.A	781	FA972472318-300	781	FA972481318	780	FA972841412.A		
781	FA972471330-300.A	781	FA972472318-310	781	FA972481318-300	780	FA972841418.A		

FLOS

Outdoor

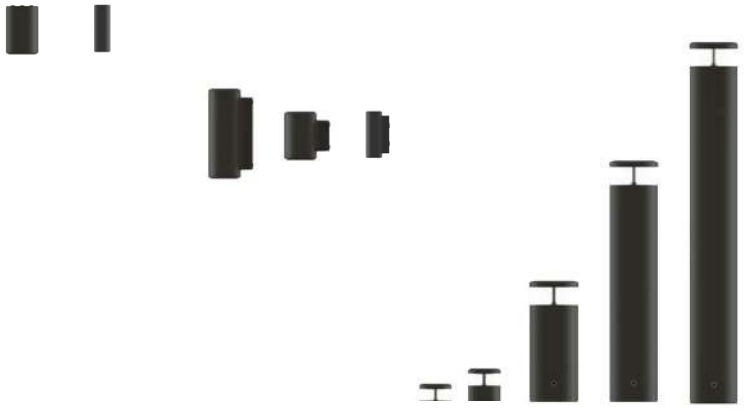
Spine 16

Spine
Spine F
Spine L
Spine T



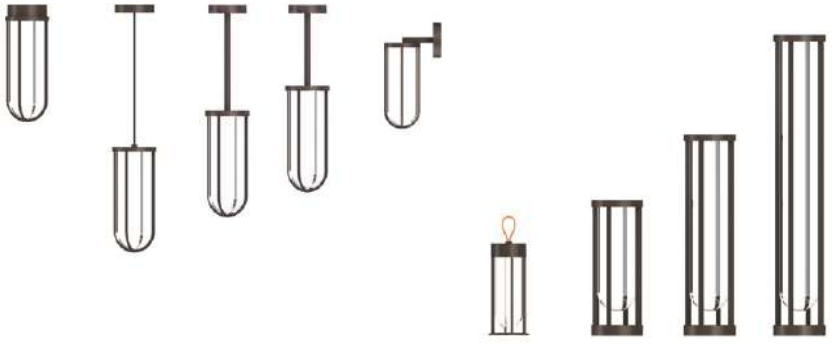
Pointbreak 156

Pointbreak Bollard
Pointbreak Balisage
Pointbreak Wall
Pointbreak Ceiling



In Vitro 186

In Vitro Bollard
In Vitro Wall
In Vitro Ceiling
In Vitro Suspended
In Vitro Unplugged



Mayday Outdoor 198



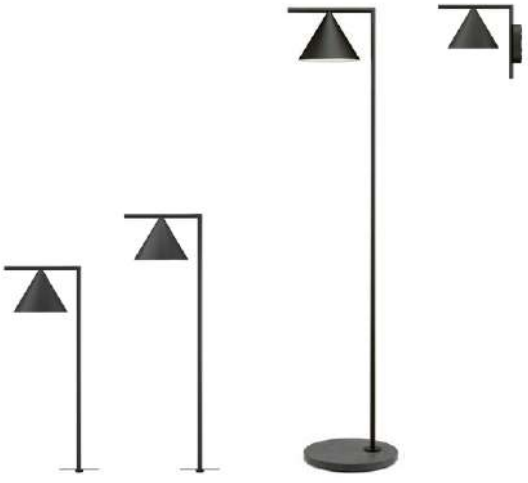
Mile 206

Mile Wall
Mile Bollard
Mile Path
Mile Ceiling
Mile Recessed



Captain Flint 240

Captain Flint Wall
Captain Flint Floor
Captain Flint Bollard



IC Light 250

IC Wall
IC Floor



Caule 258

Caule Floor / Floor Nest
Caule Bollard / Bollard Nest



Flauta 274

Flauta Riga
Flauta Spiga



Lighting In The Rain 285

Romeo C3
KTribe F3
Superarchimoon



Landlord 292

Landlord Spot
Landlord Soft
Landlord Ground



Bellhop 310

Bellhop Wall
Bellhop Bollard
Bellhop Pole



Casting 322

Casting Concrete
Casting C
Casting T



Walkstick / Wallstick 334

Walkstick Pipe
Walkstick
Wallstick



Belvedere 348

Belvedere Clove
Belvedere Spot
Belvedere Wall



Klein Pro 360



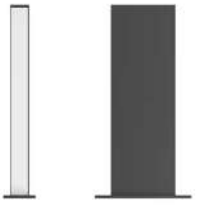
Zefiro 370



I - Ron 380



Talia 388



Real Matter 398



My Way 408



Camouflage 416

Climber 426



Heavy Metal 440

Heavy Metal Spot
Heavy Metal Wall



Fenestra 462



A-Round 470



A-Rise 480



Gobi 504



C-Me 526

C-Me Round
C-Me Square



Ingraze 542

Ingraze Frame Fixed / Adjustable
Ingraze Frameless Fixed / Adjustable



Outgraze 604



Tau 654



Eclipse 666

Eclipse
Eclipse Mini

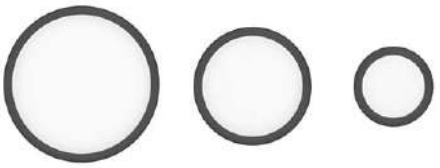


Hyperion 676

Hyperion
Hyperion Mini



Platter 686



Leila 698



Kirk 710



Spock 718



Aimer 730

Aimer
Aimer Aqua



Franco 764

Franco
Franco Pole

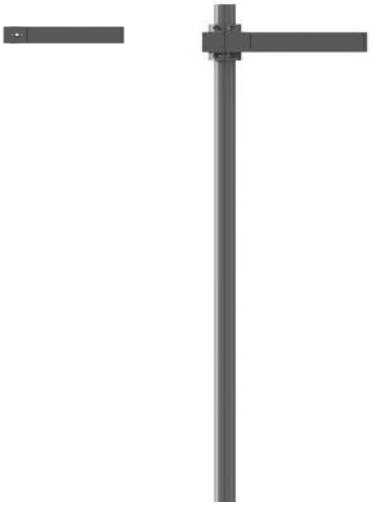


Perseo 786

Perseo
Perseo Pole



Dooku 810



Contact Italy
Flos Spa
Via Angelo Faini, 2
25073 Bovezzo (Brescia)
Tel +39 0302438.1
Fax +39 0302438.250
info@flos.com

ARES s.r.l. - Socio Unico
Viale dell'Artigianato, 24
20881 Bernareggio
Monza Brianza, Italy
Tel +39 039 6900892
Fax +39 039 6901855
flos.outdoor@flos.com

Contact 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

Distribution 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

Distribution Belgium And Luxembourg
Flos Belux
M +32 474 739 080
flosbelux@flos.com

Distribution Norway
Drammensveien 120
0277 Oslo - Norway
Tel +47 (0) 2212 86 00
Fax +47 (0) 2212 86 08
info.norge@flos.com

Distribution Sweden
FLOS Sweden
Lützengatan 1
11520 Stockholm - Sweden
Tel +4686604405
info.se@flos.com

Distribution Denmark
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
1434 Copenhagen K - Denmark
Tel +4533886000
info.dk@flos.com

Distribution Amsterdam
Cruquiusweg 109S
1019 AG Amsterdam
The Netherlands
Tel +31 (0) 20 560 50 60
flosnetherlands@flos.com

Distribution France
Flos France
20-22, Passage Dauphine
75006 Paris
Tel +33 (0) 1 40 64 17 44
flos.france@flos.com

Distribution Germany
Flos GmbH
Obermünsterstraße 18
93047 Regensburg,
Germany
Tel +49 941 630837 00
Fax +49 941 630837 60
info@flos-gmbh.de

Distribution United Kingdom
Atrium Ltd.
28 Leonard Street
EC2A 4BY London
Tel +44 (0) 20 7681 9933
Fax +44 (0) 20 7681 9943
flos@atrium.ltd.uk

International Projects
Boccia Giandonato
tel +44(0)20 7681 9933
giandonato.boccia@flos.com

Distribution Japan
Flos Co., Ltd.
PMC Building 9F
1-23-5 Higashiazabu
Minato-Ku Tokyo 104-0044
Tel +81 (0) 3 3582 1468
Fax +81 (0) 3 3582 097
flosjapan@flosjapan.com

Distribution Asia Pacific
50 Raffles Place, #30-00
Singapore Land Tower
Singapore 048623
Tel +65 90056328
Tel +65 91267780
flosasia@flos.com

Distribution 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

(South China)
Tel +86 1392 9975 703
alan.wong@flos.com

Distribution Latin America
Flos LatAm
M +52 55 6960 1772
flos.latinoamerica@flos.com

Distribution India
Flos Representative Office
1, Commonwealth Lane
#08-12, 149544 Singapore
Tel +91 9999306667
Fax +65 (0) 6372 7607
flosindia@flos.com

Distribution U.S.A.
Flos USA Inc.
40-20 22nd Street - 3rd Floor
Long Island City, NY 11101
Tel +1 (800) 8414011
info@flosusa.com

Distribution Middle East
Flos Middle East
Dubai Design District
Building 1B, Office 303
P.O.Box number 333025
Dubai, United Arab Emirates
Tel: +971 4 566 0123
Mob: +971 543567356

Distribution Hong Kong
M +852 9307 3713
flosasia@flos.com

Showroom Stockholm
FLOS Sweden
Lützengatan 1
11520 Stockholm
Sweden
Tel +4686604405
info.se@flos.com

Showroom Copenaghen
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
1434 Copenhagen K
Denmark
Tel +4533886000
info.dk@flos.com

Showroom Amsterdam
Cruquiusweg 109Q
1019 AG Amsterdam
The Netherlands
Tel +31 (0) 20 560 50 60
showroom.amsterdam@flos.com

Showroom Oslo
Drammensveien 120
0277 Oslo - Norway
Tel +47 (0) 2212 86 00
Fax +47 (0) 2212 86 08
info.norge@flos.com

Showroom Milano
Corso Monforte, 15
20122 Milano
Tel +39 02 79 84 57
Fax +39 02 89 78 56 41
showroom.milan@flos.com

Showroom Paris
20-22, Passage Dauphine
75006 Paris
Tel +33 (0) 1 40 64 17 44
flos.france@flos.com

Showroom Tokyo
PMC Building 9F
1-23-5 Higashiazabu
Minato-Ku
Tokyo 104-0044
Tel +81 (0) 3 35 82 14 68
Fax +81 (0) 3 3582 0974
showroom.tokyo@flos.com

Flagship Store Milano
Corso Monforte, 9
20122- Milano
Tel +39 02 37011080
Fax +39 02 780833
shop.milan@flos.com

Flagship Store Roma
Via del Babuino, 85
00187 - Roma
Tel +39 06 3207631
Fax +39 06 3207690
flosroma@flos.com

Flagship Store New York
135 Madison Ave
New York, NY 10016
Tel +1 212 941 4760
Fax +1 212 941 4763
info@flosusa.com

Flagship Store 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

Flagship Store LYON
17 Rue Jarente
69002 - Lyon
Tel +33 478621301
Fax +33 478622119
floslyon@flos.com

Flagship Store Stockholm
FLOS Sverige
Lützengatan 1
11520 Stockholm
Sweden
Tel +46086604405
info.se@flos.com

Art Direction and Graphic Design
Apartamento Studios

Art Photography
Nicholas Alan Cope

In-Place Photography
Tommaso Sartori
Iris Humn

Still Life Photography
Piero Fasanotto

Layout
Flos Architectural Team

Edition
February 2025
Copyright © Flos 2025
All Rights Reserved

Acknowledgements
Arch. Ricardo Bofill
Mrs. Natalia Chiner
Mrs. Celia Lescouet
Apulia Exclusive Houses

Il nostro mondo si evolve continuamente. I progressi tecnici sono all'ordine del giorno nel nostro settore.

Lo scopo di Flos è offrire sempre la tecnologia più affidabile a disposizione, rivedendo continuamente i prodotti e aggiornandoli non appena le evoluzioni tecnologiche offrono vantaggi per i nostri partner e clienti.

Questa filosofia fa sì che il nostro catalogo e le schede tecniche dei nostri prodotti siano anch'essi in continua evoluzione, con la conseguente necessità di aggiornamenti e revisioni continue.

Per tanto, quando avete bisogno di dettagli tecnici e delle informazioni più recenti, sfogliate la sezione prodotti del nostro sito Web ufficiale Flos.com: è aggiornato quotidianamente e offre gli ultimi dettagli dei prodotti, dei codici degli articoli disponibili e tutta la documentazione per il download immediato.

www.flos.com

As our world is in constant evolution, technical upgrades happens every day in our business.

Flos aim is to offer always the best reliable technology available, constantly reviewing our products and upgrading them as soon as technologic evolutions offers benefits for our partners and clients.

This philosophy means that our technical catalogue and product data sheets also are in constant evolution, requiring upgrades and constants reviewing.

Thus, when you need technical details and the most recent product information, please browse the product section of our Flos. com official website: it is updated daily, and there you'll find the latest product details, all available part numbers, all product documents available for immediate download.

www.flos.com





FLOS.COM