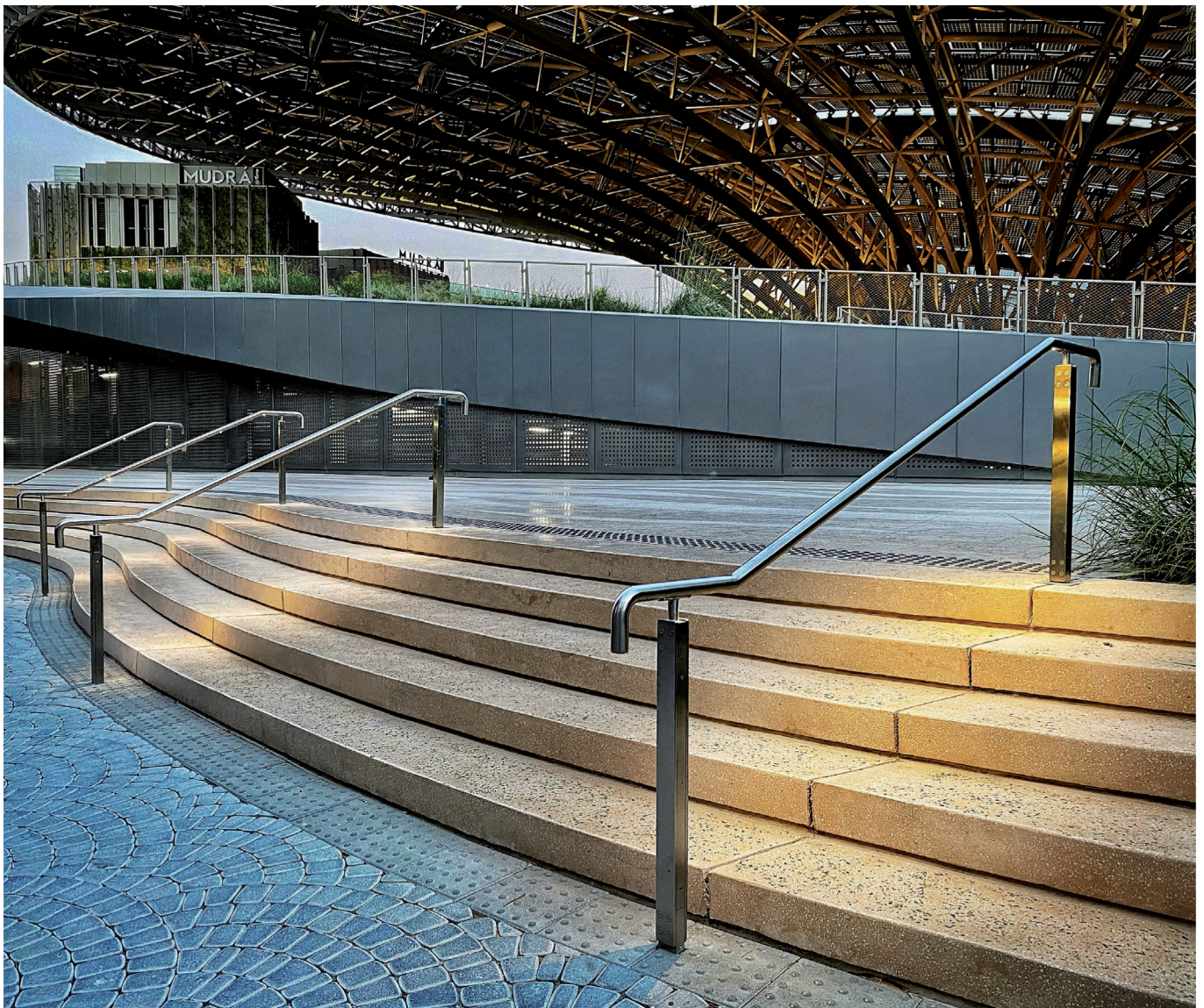


Datasheet

HANDRAIL DOT Gen2



13/03/24 © MCI LIGHT

HANDRAIL DOT Gen 2

Snap-in fit

- Dot designed to be integrated in new or retrofitted handrails
 - Easy and quick installation due to snap-in fit system
 - IP66, IK10 and anti-tamper design. Ideal for outdoor applications
 - 3 beam angles: 60°, 100° (symmetric) and elliptical (asymmetric)
 - Luminous efficiency: 132 lm/W
 - Chrome brass unibody dot
 - Polycarbonate lens
- Dot diseñado para poder ser integrado en barandillas y pasamanos nuevos o existentes
 - Fácil y rápido sistema de montaje mediante clipaje
 - Ideal para exteriores: IP66, IK10 y sistema antivandálico
 - 3 ángulos de apertura: 60°, 100° (simétrico) y elíptico (asimétrico)
 - Eficiencia luminosa: 132 lm/W
 - Dot monobloque de latón cromado
 - Lente de policarbonato



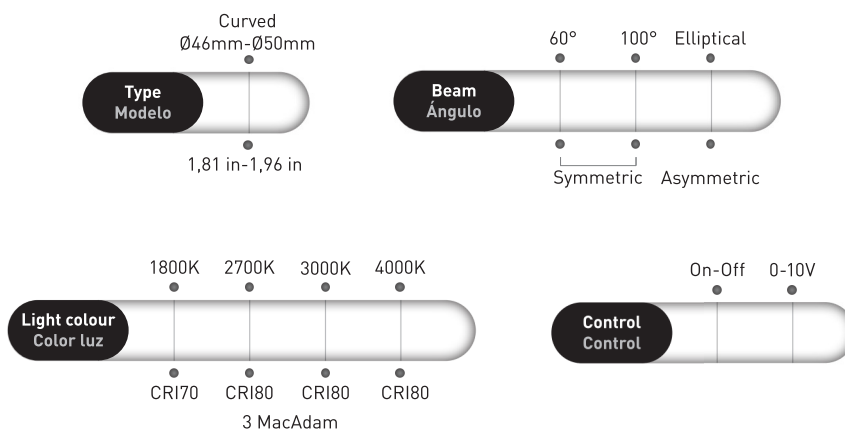
60°
Symmetric



100°
Symmetric



Elliptical
Asymmetric



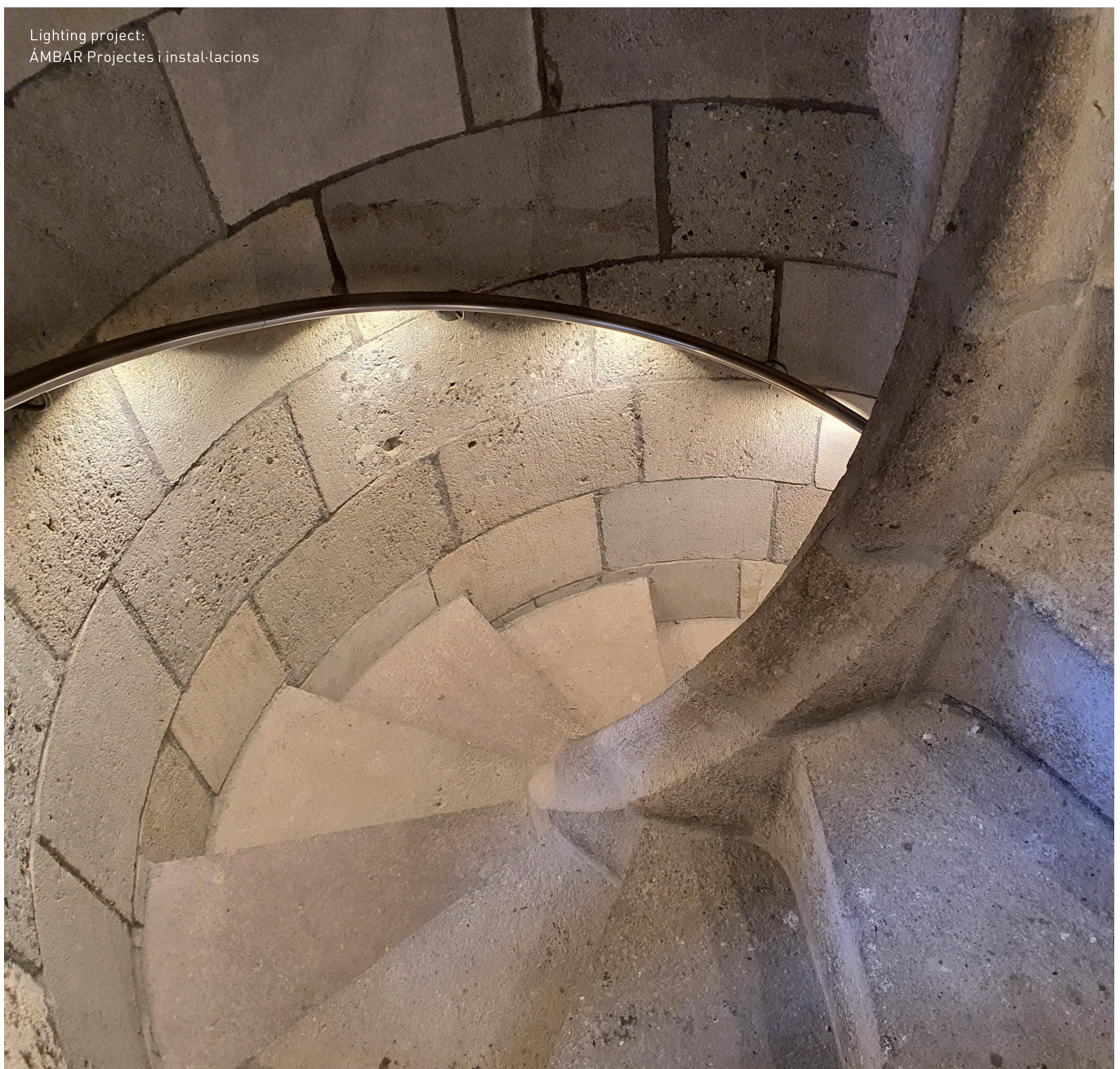
Minimum wall thickness 1,5mm.
Grosor mínimo de la barandilla 1,5mm.

Suitable for handrails with diameter $\varnothing 48\text{ mm}$.
Apto para barandillas de diámetro $\varnothing 48\text{ mm}$.

SPECIFICATIONS CARACTERÍSTICAS

	IP66	IK10	CRI>80	CRI>70 1800K	on/off	0-10V	Chrome brass Housing	PC Lens	L80 B10 >70.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	
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Handrail Dot Gen 2				
Power	1,5 W (500mA)			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	60° - 101 lm 100° - 137 lm Elliptical-Asym. - 105 lm	60° - 129 lm 100° - 174 lm Elliptical-Asym. - 134 lm	60° - 138 lm 100° - 187 lm Elliptical-Asym. - 144 lm	60° - 147 lm 100° - 199 lm Elliptical-Asym. - 153 lm
Luminaire efficiency	91 lm/W	116 lm/W	124 lm/W	132 lm/W
Measures / Weight	Ø14,7 x 15 mm / 0,1 kg			



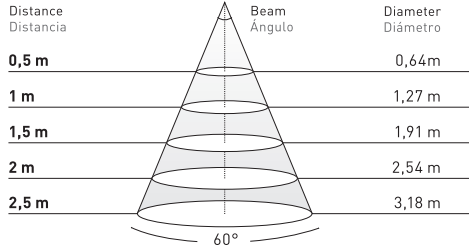
Basílica de la Sagrada Família,
Barcelona, SPAIN

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

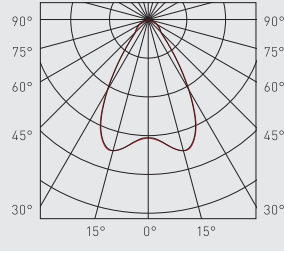
Handrail Dot

60°

2700K



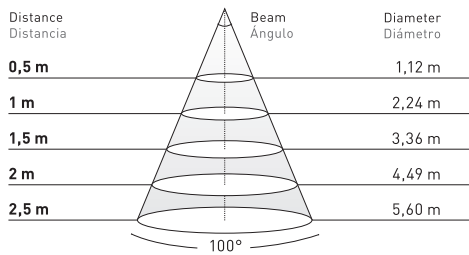
246 lux
56 lux
26 lux
14 lux
9 lux



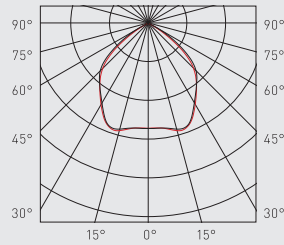
Handrail Dot

100°

2700K



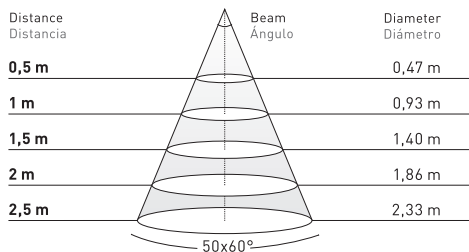
126 lux
28 lux
16 lux
7 lux
5 lux



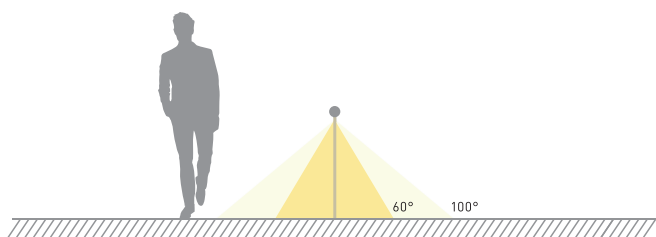
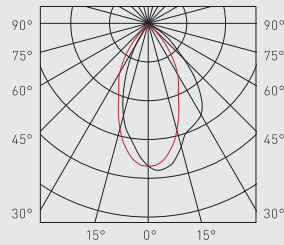
Handrail Dot Asym.

Elliptical-Asym

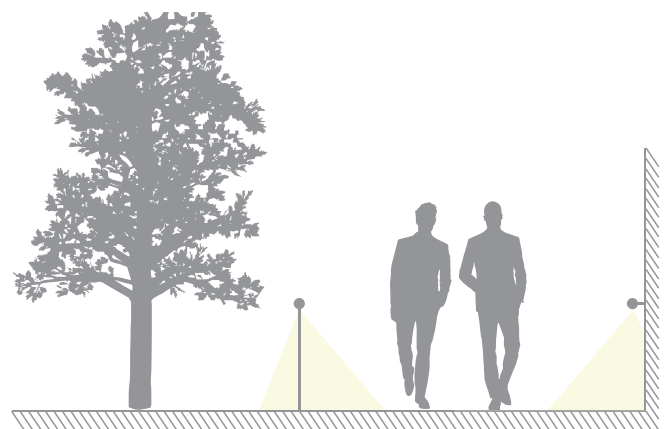
2700K



320 lux
75 lux
42 lux
19 lux
13 lux



Symmetric | Simétrico



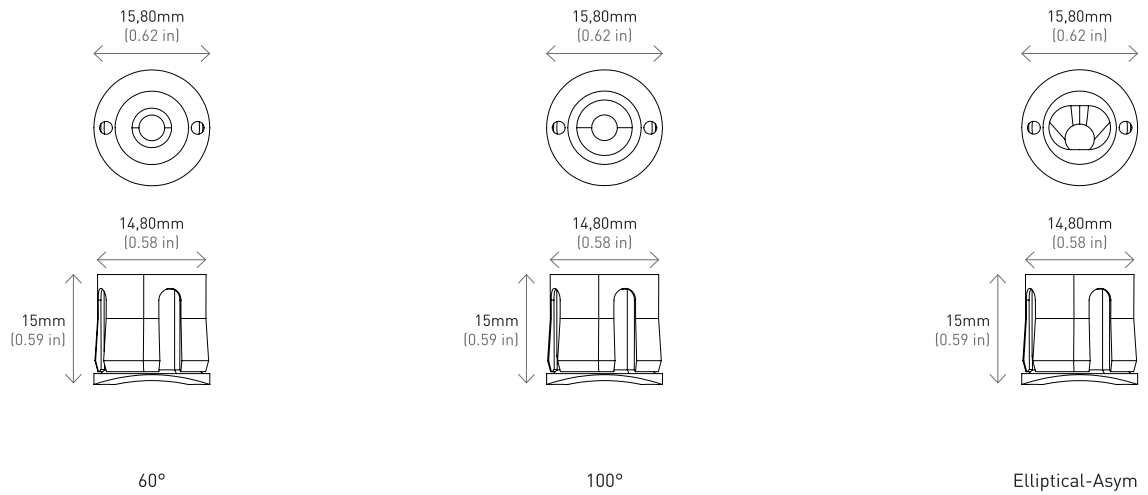
Asymmetric | Asimétrico

Data calculated with **Handrail Dot**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Handrail Dot**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**MEASURES
MEDIDAS**

Handrail Dot



Chicago Riverwalk,
USA

HANDRAIL DOT Gen 2

Snap-in fit

FINISHES ACABADOS

In order to satisfy all our customers we offer curved types suitable for handrails with diameter from $\varnothing 46\text{mm}$ to $\varnothing 50\text{mm}$.

Con el fin de satisfacer las necesidades de nuestros clientes, están disponibles modelos curvados aptos para barandillas de $\varnothing 46\text{mm}$ hasta $\varnothing 50\text{mm}$.



Symmetric 60° model
Modelo simétrico 60°



Symmetric 100° model
Modelo simétrico 100°



Asymmetric elliptical model
Modelo asimétrico elíptico

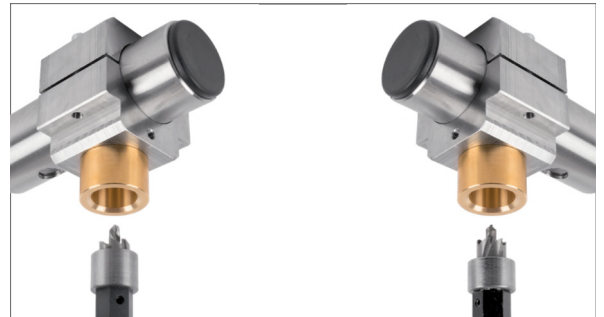


Chicago Riverwalk,
USA

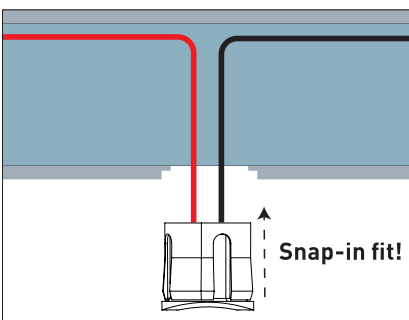
DETAILS
DETALLES



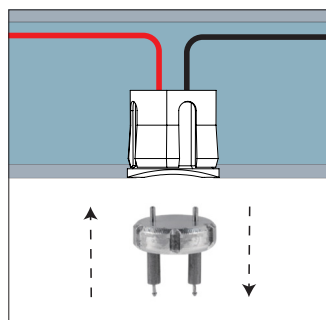
Kit for machining (ref. 7015191)
Kit para mecanizar (ref. 7015191)



Milling cutter Ø15 & Ø16 (ref. 7015192 & 7015193)
Fresa del Ø15 y Ø16 (ref. 7015192 y 7015193)



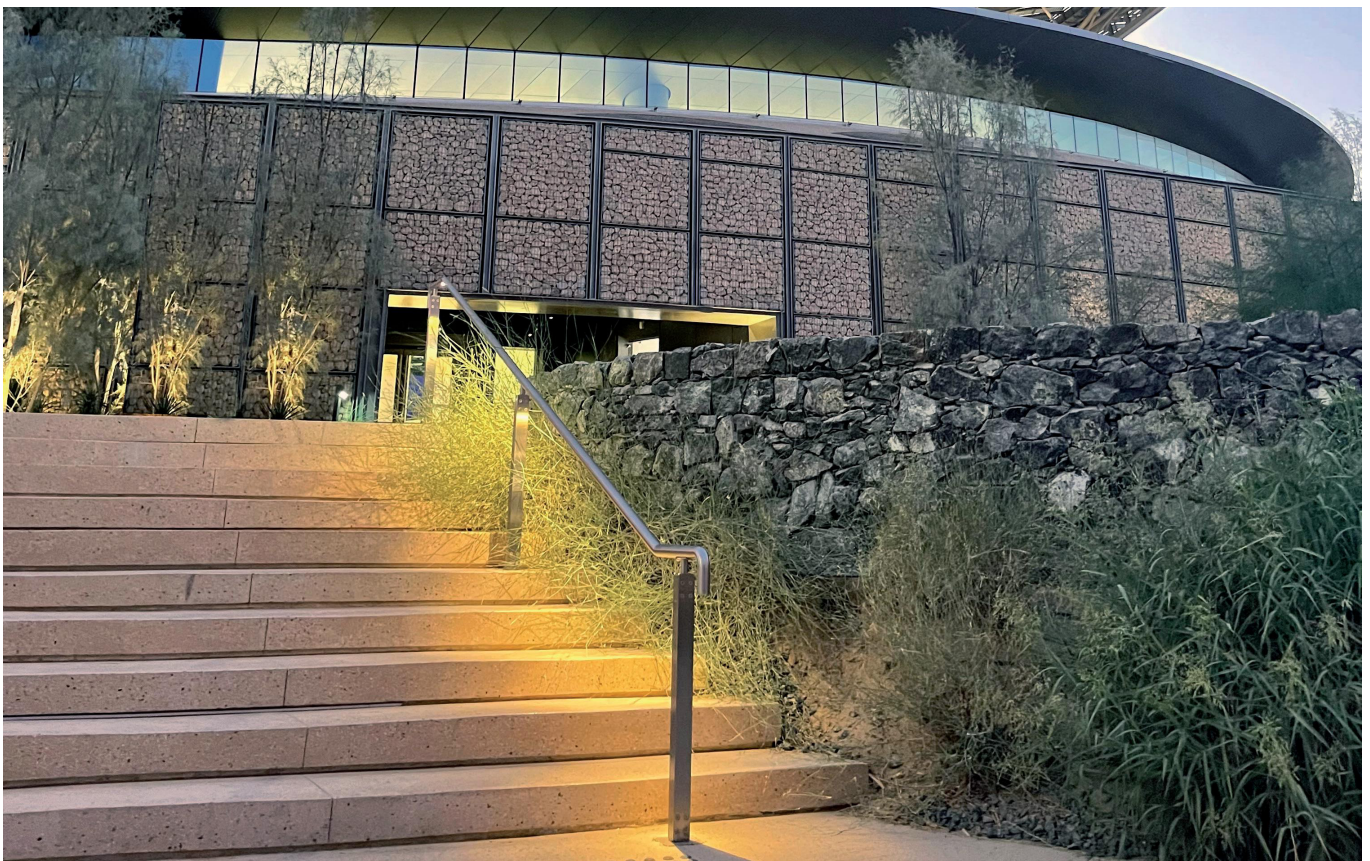
Snap-in fit. Double drill of Ø15 mm and Ø16mm to align the recessed plot.
Clipaje a presión. Doble taladro de Ø15mm y Ø16mm para que quede enrasado el plot.



Positioning and extraction tool (ref. 7015190)
Útil de posicionamiento y extracción (ref. 7015190)



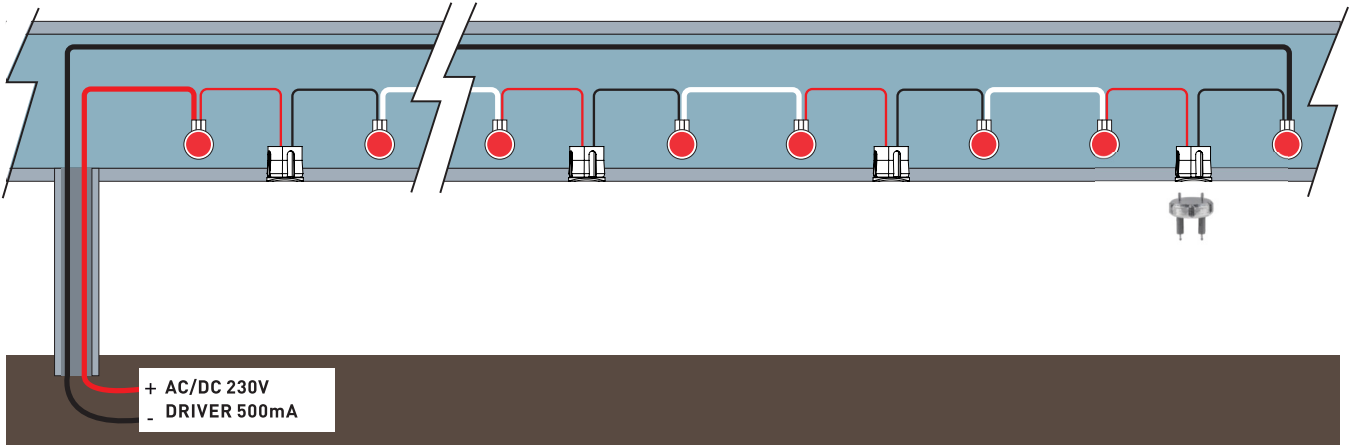
Chrome brass unibody dot
Dot monobloque de latón cromado



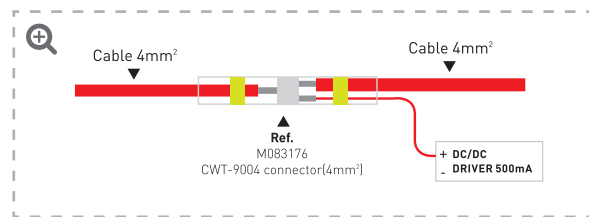
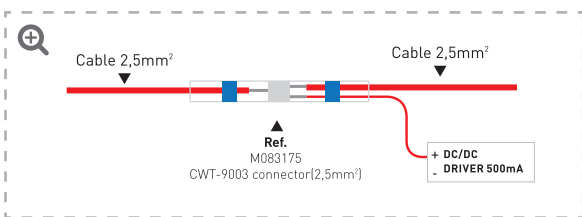
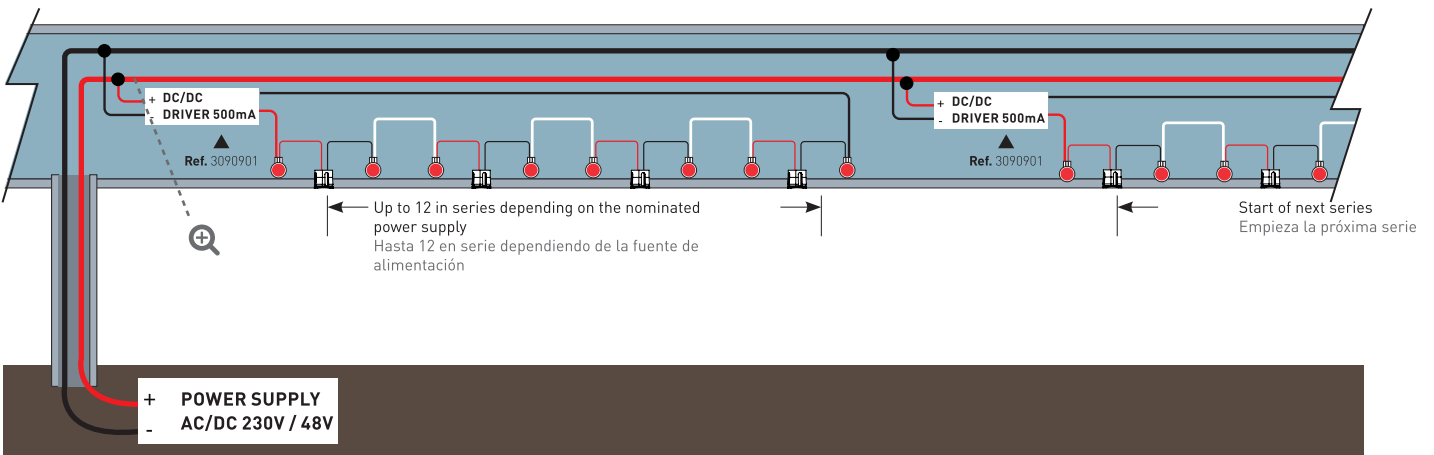
Expo DUBAI 2020,
UAE

CONNECTIONS
CONEXIONES

A External driver installation
Instalación driver externo



B In-tube driver installation
Instalación driver interno



A
EXTERNAL DRIVER INSTALLATION
INSTALACIÓN DRIVER EXTERNO

3090911 (Driver)	From 1 up to 16 dots De 1 a 16 dots
3090915 (Driver)	From 9 up to 14 dots De 9 a 14 dots
3090917 (Driver)	From 25 up to 35 dots De 25 a 35 dots

B
IN-TUBE DRIVER INSTALLATION
INSTALACIÓN DRIVER INTERNO

3090538 (Power supply)	Up to 8 series x 12 dots = 96 dots Hasta 8 series x 12 dots = 96 dots
3090539 (Power supply)	Up to 16 series x 12 dots = 192 dots Hasta 16 series x 12 dots = 192 dots
3090901 (Driver)	From 1 up to 12 dots De 1 a 12 dots

REFERENCES
REFERENCIAS

70151 **2** **X** **/XX/XXX**

COLOUR COLOR

/70/1K8 1800K
/80/2K7 2700K
/80/3K 3000K
/80/4K 4000K

ANGLE ÁNGULO

2 60°
3 100°
5 Elliptical Asymetric

TYPE MODELO

2 Curved Ø46-50 mm

 *To control the luminaires via Bluetooth see page 338*
Para controlar las luminarias via Bluetooth consultar página 338

DRIVERS REFERENCES AND POWER SUPPLY
REFERENCIAS DRIVERS Y FUENTE ALIMENTACIÓN



A - External driver installation | Instalación driver externo

3090911	IP68 Driver 500 mA 30W (2V-49V) On/Off, DALI	From 1 up to 16 dots De 1 a 16 dots	1
3090915	IP67 Driver 500 mA 20W (25,2V-42V) On/Off, 0-10V	From 9 up to 14 dots De 9 a 14 dots	2
3090917	IP67 Driver 350-1050 mA 75W (53V-107V) On/Off	From 25 up to 35 dots De 25 a 35 dots	3

B - In-tube driver installation | Instalación driver interno

3090538	IP67 Power Supply 150W (48V DC) On/Off	Up to 8 series x 12 dots= 96 dots Hasta 8 series x 12 dots = 96 dots	4
3090539	IP67 Power Supply 320W (48V DC) On/Off	Up to 16 series x 12 dots= 156 dots Hasta 16 series x 12 dots = 192 dots	5
3090901	IP67 Driver 500 mA 18W (Input 9V-56V DC) On/Off	From 1 up to 12 dots De 1 a 12 dots	6

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M083025	End piece connector (0,4-0,7mm ²)	Conector terminal (0,4-0,7mm ²)	1
M083175	CWT-9003 connector (2,5mm ²)	Conector CWT-9003 (2,5mm ²)	2
M083176	CWT-9004 connector (4mm ²)	Conector CWT-9004 (4mm ²)	3
7015190	Positioning and extraction tool	Útil de posicionamiento y extracción	4
7015191	Kit for machining	Kit para mecanizar	5
7015192	Spare milling cutter Ø15	Recambio fresa Ø15	6
7015193	Spare milling cutter Ø16	Recambio fresa Ø16	7

HANDRAIL DOT Gen2

Datasheet

Due to continuous improvements and innovations, specifications may change without notice.
Debido a continuas mejoras e innovaciones, las especificaciones pueden ser modificadas sin notificación.

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