



HANDRAIL DOT®



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- Dot designed to be integrated in new or retrofitted handrails
- Suitable for outdoor: IP66, IK10, and anti-vandalism
- Flat and curved types
- 3 beam angles: 60°, 120° and 90° (asymmetric)
- Luminous efficiency: 100 lm/W
- 316 stainless steel unibody dot
- Polycarbonate lens
- Accessories: Installation tool and M16 Drill jig equipment
- Dot diseñado para integrarse en barandillas y pasamanos nuevos o existentes
- Apto para exteriores: IP66, IK10 y antivandálico
- Modelos planos y curvados
- 3 ángulos de apertura: 60°, 120° y 90° (asimétrico)
- Eficiencia luminosa: 100 lm/W
- Dot monobloque acero inox 316
- Lente de policarbonato
- Accesorios: Herramienta instalación y Kit plantilla mecanizado M16



Flat - 120°



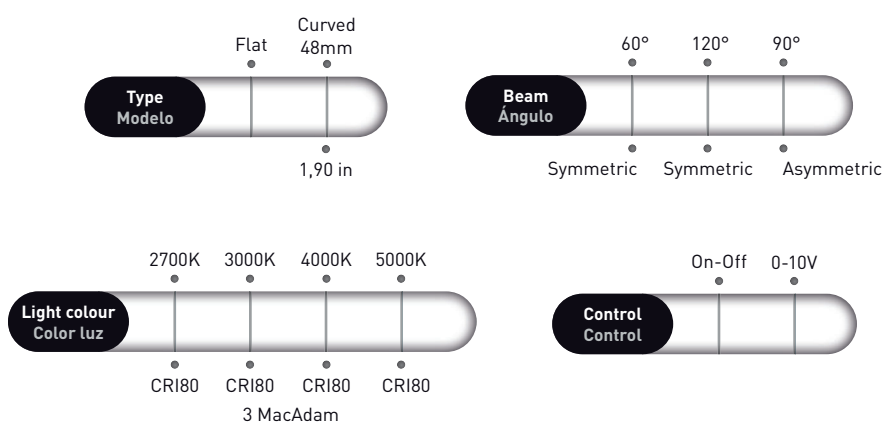
Flat - 60°



Flat - Asym.





Curved - 60°



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

Suitable for handrails with diameter Ø48 mm.
Apto para barandillas de diámetro Ø48mm.

SPECIFICATIONS
CARACTERÍSTICAS

	IP66	IK10	on/off	0-10V	INOX 316 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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Dot Handrail® Flat & Curved				
Power	1,5 W (500mA)			
Color temperatures	2700K	3000K	4000K	5000K
Lumens output	60° - 114 lm 120° - 120 lm 90°(asymmetric) - 108 lm	60° - 120 lm 120° - 126 lm 90°(asymmetric) - 114 lm	60° - 136 lm 120° - 143 lm 90°(asymmetric) - 129 lm	60° - 136 lm 120° - 143 lm 90°(asymmetric) - 129 lm
Luminaire efficiency	72 to 80 lm/W	76 to 84 lm/W	86 to 96 lm/W	86 to 96 lm/W
Measures / Weight	Ø14,7 x 15 mm / 0,1 kg			



Lighting project:
AMBAR Projectes i instal·lacions

Basilica de la Sagrada Familia,
Barcelona, SPAIN

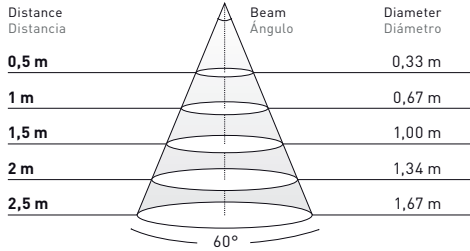
Color temperature conform to ANSI C78.377A.
Temperatura de color según normativa ANSI C78.377A.

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

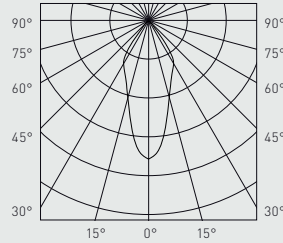
Handrail Dot®

60°

3000K



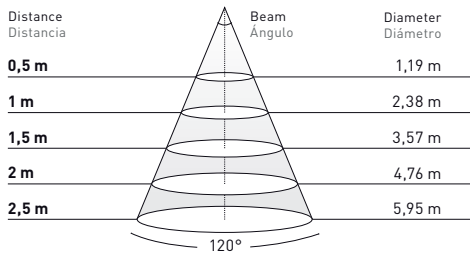
540 lux
135 lux
60 lux
34 lux
22 lux



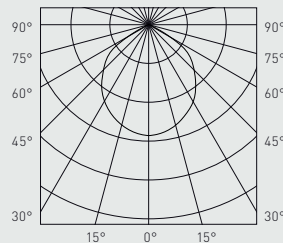
Handrail Dot®

120°

3000K



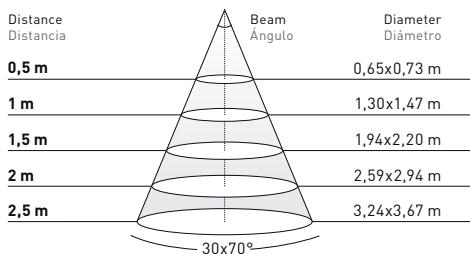
227 lux
57 lux
25 lux
14 lux
9 lux



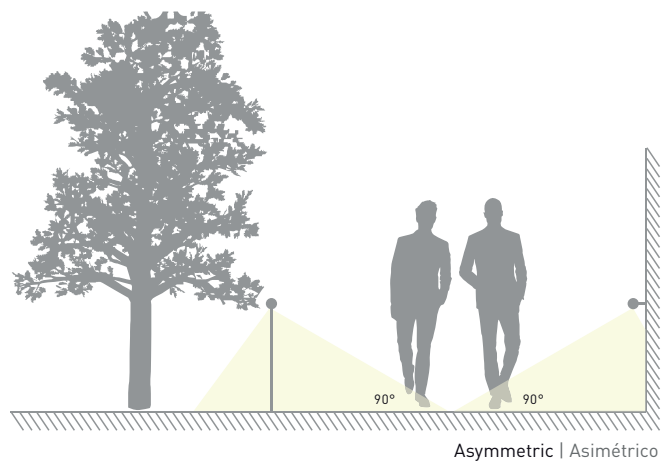
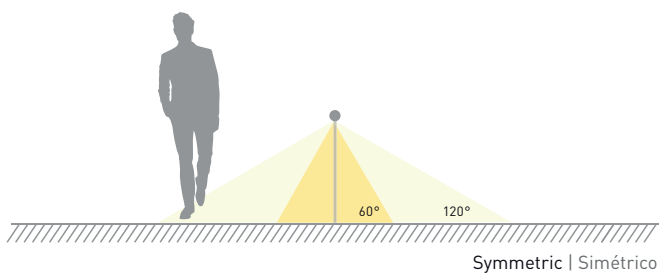
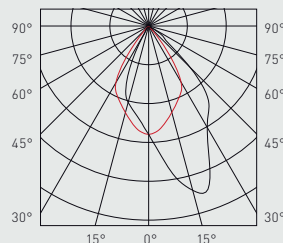
Handrail Dot® Asym.

90°

5000K



398 lux
100 lux
44 lux
25 lux
16 lux

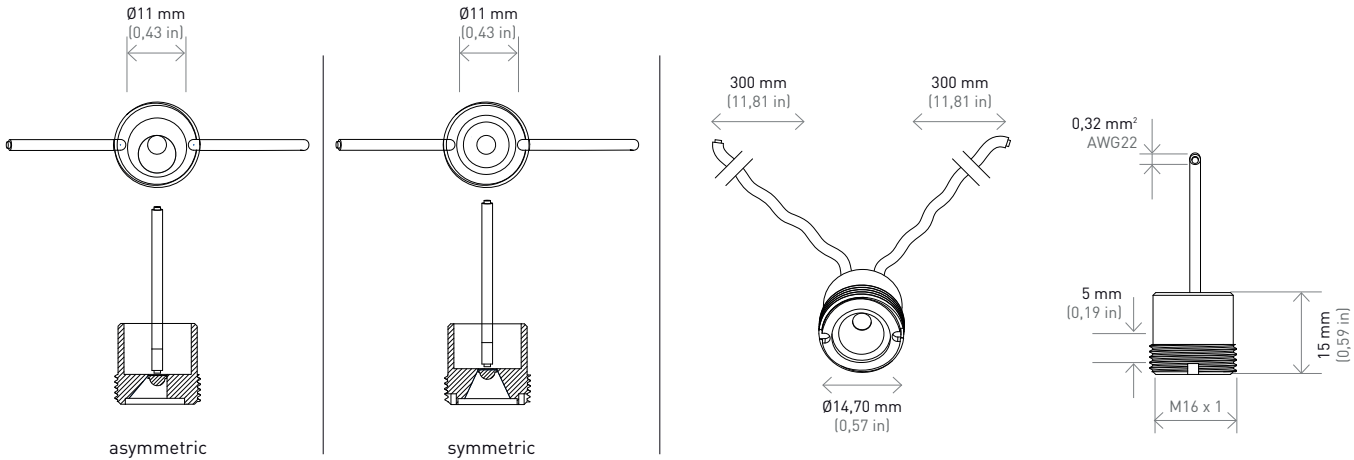


Data calculated with **Handrail Dot®**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

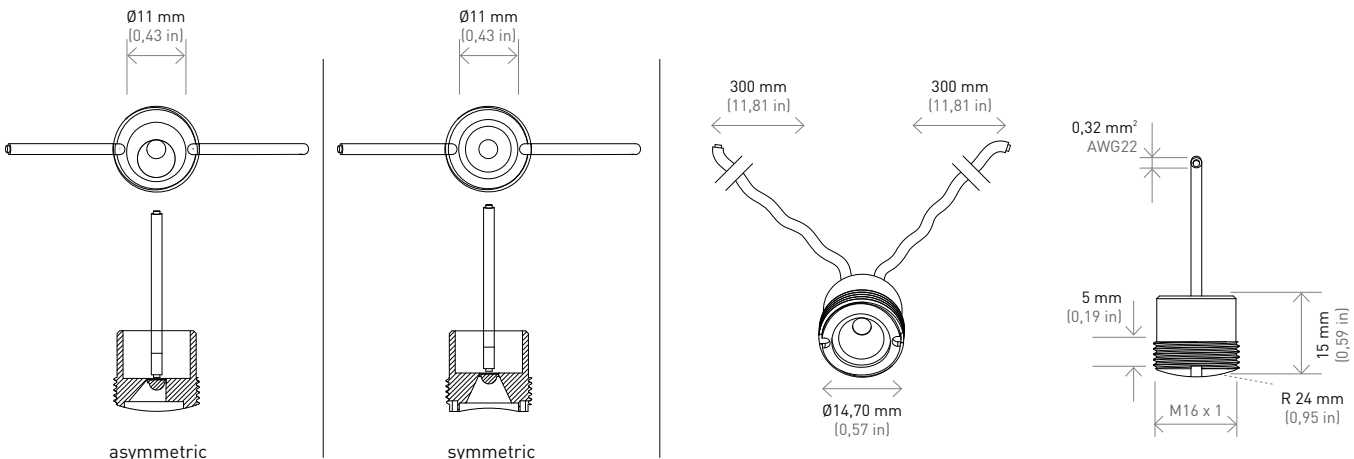
Datos calculados con **Handrail Dot®**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**MEASURES
MEDIDAS**

Handrail Dot® Flat



Handrail Dot® Curved 48mm / 1,90 in



Chicago Riverwalk,
USA

FINISHES ACABADOS

In order to satisfy all our customers we offer flat and curved types suitable for handrails with diameter Ø48mm).

Con el fin de satisfacer las necesidades de nuestros clientes, están disponibles modelos planos y curvados aptos para barandillas de diámetro 48mm).



Symmetric 60° flat model
Modelo plano simétrico 60°



Symmetric 120° flat model
Modelo plano simétrico 120°



Asymmetric 90° flat model
Modelo plano asimétrico 90°



Symmetric 120° 48 mm curved model
Modelo curvado simétrico 120° 48 mm

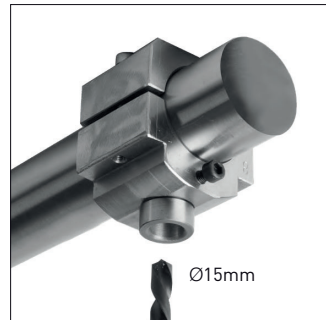


Chicago Riverwalk,
USA

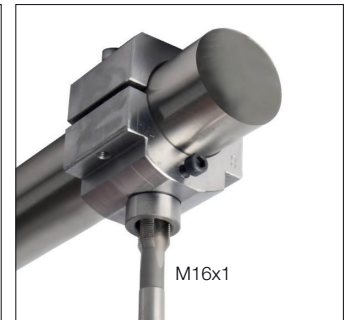
DETAILS
DETALLES



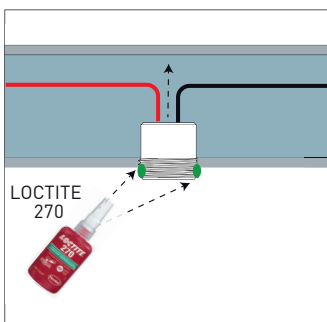
Kit for machining M16x1mm handrail (ref. 7015091)
Kit para mecanizar M16 x1mm handrail (ref. 7015091)



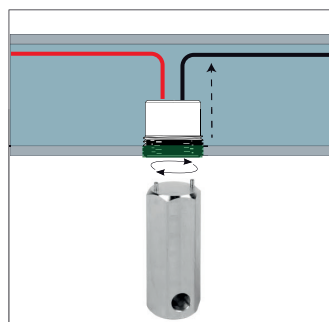
Drill 14.75 Inox (ref. 7015092)
Broca 14,75 inox (ref. 7015092)



Tap male M16x1mm (ref. 7015093)
Macho roscar M16x1mm (ref. 7015093)



Loctite 270 sealer threads (ref. M020081)
Loctite 270 sellador roscas (ref. M020081)



Tightening tool (ref. 7015090)
Util de apriete (ref. 7015090)



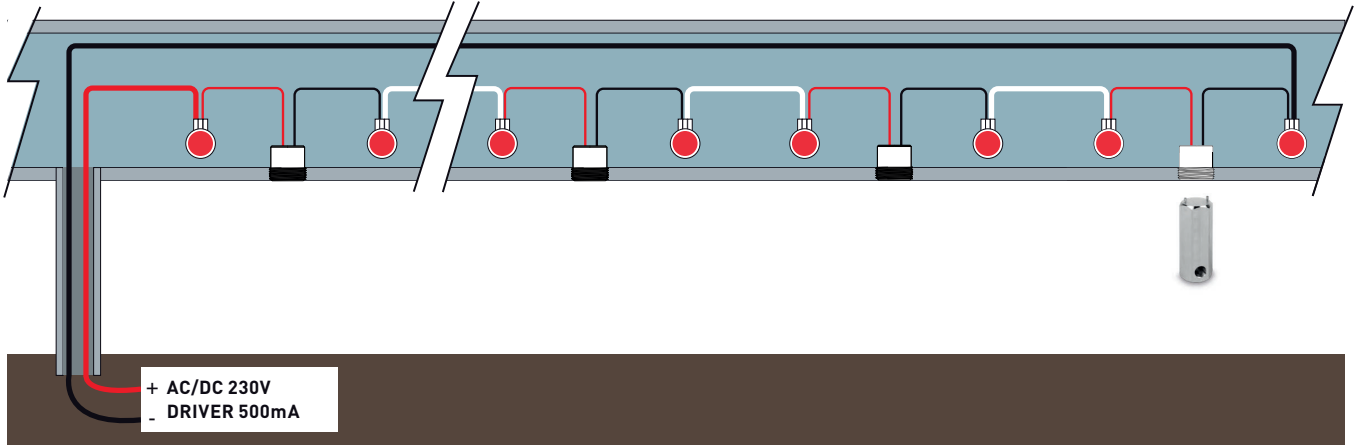
316 stainless steel unibody dot
Dot monobloque acero inox 316



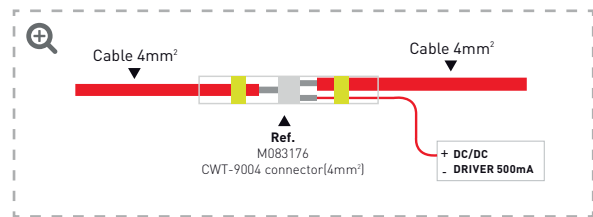
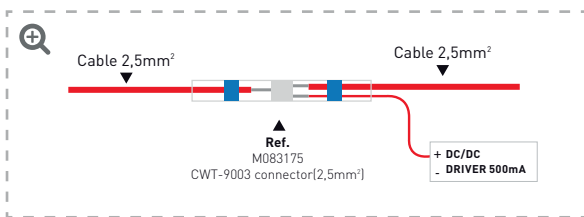
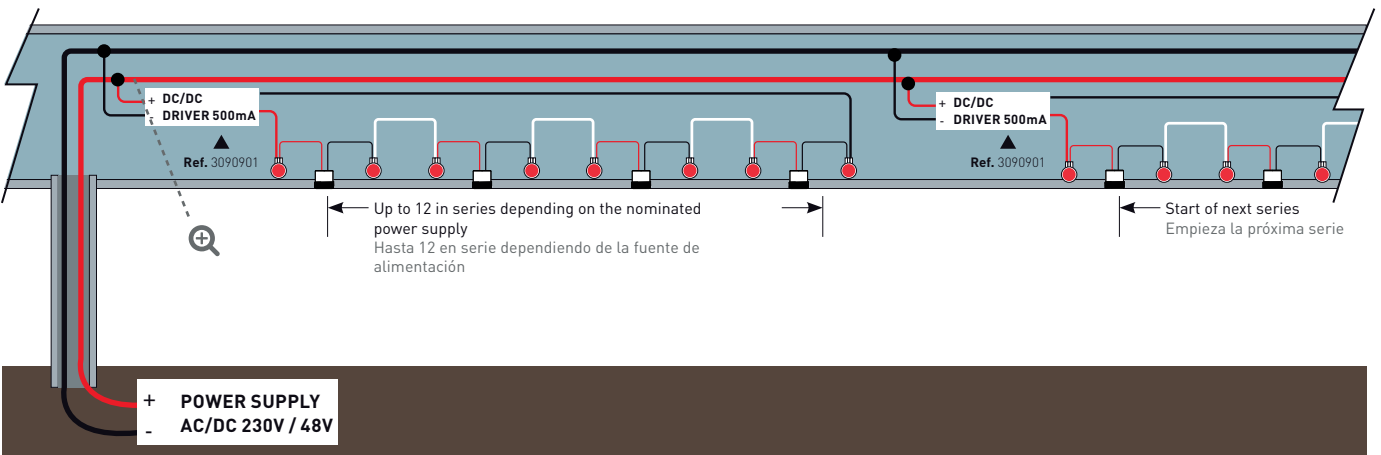
Expo DUBAI 2020,
UAE

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

70150 X X /XX/XXX

COLOUR COLOR

/80/2K7 2700K
/80/3K 3000K
/80/4K 4000K
/80/5K 5000K

ANGLE ÁNGULO

1 60°
2 120°
5 90 Asymmetric

TYPE MODELO

0 Flat
2 Curved 48 mm

 To control the luminaires via Bluetooth see page 314
Para controlar las luminarias via Bluetooth consultar página 314

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= 192 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	UR2 3M end piece connector (0,5mm ²)	Conector - Terminal UR2 -3M (0,5mm 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
7015090	Tightening tool	Útil de apriete	4
7015091	Kit for machining M16x1mm handrail	Kit para mecanizar M16 x1mm hand rail	5
7015092	Spare special drill 14.75 Inox handrail mechanized kit	Recambio broca especial 14,75 inox kit mecanizado hand rail	6
7015093	Spare tap male M16x1 din 374 M2D handrail mechanized kit	Recambio macho roscar M16x1 din 374 M2D kit mecanizado handrail	7
M020081	Loctite 270 sealer threads 33 nm green	Loctite 270 sellador roscas 33 nm verde	8