

Last information update: March 2025

Product configuration: 505B

505B: Ø88 Spot LV spotlight - DALI Powerline - Reflector

**Product code**

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Technical description

Miniaturised adjustable spotlight with adapter for installation on a 48V Filorail low voltage track. Body consisting of two painted diecast aluminium shells coupled together and a painted zamak track connection. An ideal passive dissipation system to guarantee a long life and effective heat management. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each spotlight on the track to be adjusted separately. The swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. The set back position of the optic unit guarantees a high level of visual comfort. Thermoplastic high definition lens with extra filter for variable optic. A rapid tool-free system for connecting the adapter electrically and mechanically to the track. Spotlight with Push&Go system designed to facilitate and safely accelerate the connection between product and optic accessory. Mechanically disconnecting the accessory allows it to be disengaged but not dropped. Three internal accessories and one external one can be used simultaneously. All internal accessories rotate 360° about the spotlight longitudinal axis.

Installation

Installation on a Filorail track.

Colour

White (01) | Titanium (N8) | Matte black (V0)

Mounting

Low voltage track

Wiring

LED driver integrated in adapter - direct connection on 48V track. Track power supply unit to be ordered separately.

Notes

The front frame (obligatory style accessory) needs to be purchased separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1563.3	MacAdam Step:	2
W system:	16.8	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25C)
Im source:	1930	Voltage [Vin]:	48
W source:	16	Lamp code:	LED
Luminous efficiency (Im/W, real value):	93.05	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0.0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	81	LED current [mA]:	0.45
Beam angle [°]:	26°	Power factor:	See installation instructions
CRI:	90	Overvoltage protection:	0kV Common mode & 0kV Differential mode
Colour temperature [K]:	3000	Control:	DALI