

Last information update: June 2025

Product configuration: PV90.01

PV90.01: Robin spotlight Ø51 for installation on a 48V low voltage track - DALI Powerline - 18W 1312.3lm - 3500K - CRI 90 - White

**Product code**

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Technical description

Miniaturised adjustable spotlight with adapter for installation on a 48V Filorail low voltage track. The thermoplastic adapters are designed so they can be installed even in the curved track sections. Die-cast aluminium body with an ideal passive dissipation system to guarantee a long life and effective heat management. Driver circuit with DALI Powerline technology that allows each spotlight on the track to be adjusted independently. This offers a remarkable level of flexibility and lighting control. The swivel joints allow the spotlight to be rotated by 360° and tilted by 160°. The set back position of the optic unit guarantees a high level of visual comfort. A high definition thermoplastic lens with the option of using additional accessories to create other light effects. A rapid tool-free system for connecting the adapter electrically and mechanically to the track.

Installation

On a low voltage Filorail track. A tool-free system for connecting the product electrically and mechanically to the track.

Colour

White (01)

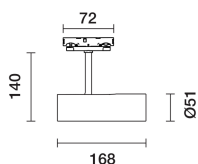
Weight (Kg)

0.45

Wiring

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

Complies with EN60598-1 and pertinent regulations

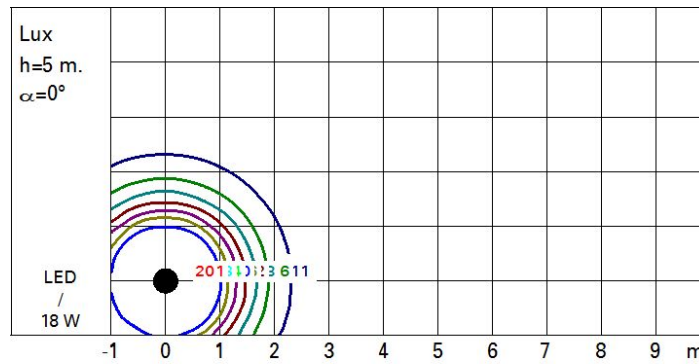
**Technical data**

lm system:	1312	Colour temperature [K]:	3500
W system:	18	MacAdam Step:	2
lm source:	1710	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	17	Voltage [Vin]:	48
Luminous efficiency (lm/W, real value):	72.9	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	27°	Power factor:	See installation instructions
CRI (minimum):	90	Control:	DALI

Polar

Imax=5588 cd		Lux			
h	d	Em	Emax		
2	1	1148	1397		
4	1.9	287	349		
6	2.9	128	155		
8	3.8	72	87		

Isolux



UGR diagram

Corrected UGR values (at 1710 lm bare lamp luminous flux)											
Reflect.: ceil/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
viewed crosswise						viewed endwise					
2H	2H	11.4	13.5	11.8	13.8	14.2	11.4	13.5	11.8	13.8	14.2
	3H	11.3	12.9	11.6	13.2	13.5	11.3	12.9	11.6	13.2	13.5
	4H	11.2	12.5	11.6	12.9	13.2	11.2	12.5	11.6	12.9	13.2
	6H	11.2	12.2	11.6	12.5	12.9	11.2	12.2	11.6	12.5	12.9
	8H	11.1	12.1	11.5	12.5	12.8	11.1	12.1	11.5	12.5	12.8
	12H	11.1	12.1	11.5	12.4	12.8	11.1	12.1	11.5	12.4	12.8
4H	2H	11.2	12.5	11.6	12.9	13.2	11.2	12.5	11.6	12.9	13.2
	3H	11.1	12.1	11.5	12.4	12.8	11.1	12.1	11.5	12.4	12.8
	4H	11.0	11.9	11.4	12.3	12.7	11.0	11.9	11.4	12.3	12.7
	6H	10.6	12.2	11.1	12.7	13.1	10.6	12.2	11.1	12.7	13.1
	8H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3
	12H	10.4	12.3	10.9	12.8	13.3	10.4	12.3	10.9	12.8	13.3
8H	4H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3
	6H	10.3	12.1	10.8	12.6	13.1	10.3	12.1	10.8	12.6	13.1
	8H	10.3	11.9	10.8	12.4	12.9	10.3	11.9	10.8	12.4	12.9
	12H	10.4	11.5	11.0	12.0	12.6	10.4	11.5	11.0	12.0	12.6
12H	4H	10.4	12.3	10.9	12.8	13.3	10.4	12.3	10.9	12.8	13.3
	6H	10.3	11.9	10.8	12.4	12.9	10.3	11.9	10.8	12.4	12.9
	8H	10.4	11.5	11.0	12.0	12.6	10.4	11.5	11.0	12.0	12.6

Variations with the observer position at spacing:

S =	1.0H	4.8 / -9.4	4.8 / -9.4
	1.5H	5.8 / -8.8	5.8 / -8.8
	2.0H	6.2 / -11.9	6.2 / -11.9