

Last information update: June 2025

Product configuration: PU42

PU42: Palco LV spotlight Ø 37 - Medium beam

**Product code**

PU42: Palco LV spotlight Ø 37 - Medium beam

Technical description

Miniaturised adjustable spotlight with adapter for installation on a 48V Filorail low voltage track. Made of die-cast aluminium with passive dissipation system. The adapter is made of a thermoplastic material and includes a driver circuit with PWM (Pulse with modulation) technology. The integrated PWM technology allows the light intensity to be adjusted by creating the effect of a dimmed light without altering the quality of the light. 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.

Installation

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

Colour

White (01) | Black (04)

Weight (Kg)

0.1

Mounting

Low voltage track

Wiring

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

Notes

Technical and anti-glare accessories available.

The miniaturized projectors use the DALI Broadcast protocol and can only be installed on the straight section of the track.

Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

Im system:	516.8	MacAdam Step:	2
W system:	9.6	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25C)
Im source:	760	Voltage [Vin]:	48
W source:	8.1	Lamp code:	LED
Luminous efficiency (Im/W, real value):	53.83	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.) [%]:	68	LED current [mA]:	0.65
Beam angle [°]:	24°	Power factor:	See installation instructions
CRI:	90	Overvoltage protection:	0kV Common mode & 0kV Differential mode
Colour temperature [K]:	2700	Control:	PWM