Palco Low Voltage

Last information update: April 2025

Product configuration: RC22
RC22: Palco LV spotlight 2 x Ø 19 - medium beam - Bluetooth
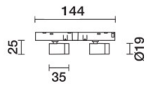
Product code
RC22: Palco LV spotlight 2 x Ø 19 - medium beam - Bluetooth

Technical description
Lighting assembly consisting of two miniaturised adjustable spotlights with adapter for installation on 48V low voltage track. Spotlight bodies made of die-cast zamak with a passive dissipation system. The adapter made of a thermoplastic material includes the DC/DC driver circuit and Bluetooth protocol; and in the paired projectors model any adjustments are synchronised on both lighting bodies. A rapid tool-free system for connecting the adapter electrically and mechanically to the track. The spotlight swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. The set back position of the optic units guarantees a high level of visual comfort with thermoplastic high definition lenses. Luminaire with Bluetooth Low Energy technology (WiSilica). Frequency 2.4 GHz BLE. The luminaire can be controlled with the Quick BLE system and Smart Light Control app that enable on-off, dimming and scene recall functions. The app is available on the Apple Store and Google Play Store. It can be integrated in the system's "Mesh" network that allows multiple luminaires to be controlled. OTA (over the air) update via app. Integrated Beacon that can be activated via Smart Light Control (Eddystone, iBeacon, Alt Beacon) that enables functions including push notification and indoor navigation-wayfinding.

Installation
An adapter is used to fix the device mechanically and tool-free to the 48V track. Max luminaire-luminaire distance (*): 8 m; max smartphone-luminaire distance (*): 20 m.

Colour	Weight (Kg)
White (01)	Black (04)	0.09

Mounting
Low voltage track

Wiring
Direct connection on 48V track. Track power supply unit to be ordered separately. Luminaire can be controlled with Bluetooth technology (WiSilica)

Notes
(*) The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system. We suggest that a test is conducted at the installation site.

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	255	MacAdam Step:	2
W system:	5.6	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
lm source:	190	Voltage [Vin]:	48
W source:	1	Lamp code:	LED
Luminous efficiency (lm/W, real value):	45.5	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	2
Light Output Ratio (L.O.R.) [%]:	67	LED current [mA]:	700
		Power factor:	See installation instructions
Beam angle [°]:	24°	Minimum dimming %:	1
CRI (minimum):	90	Control:	Bluetooth WiSilica
Colour temperature [K]:	3000		

Polar

Imax=660 cd

90°   180°   90°

600

0°

CIE
nL 0.67
100-100-100-100-67
UGR 12.5-12.5
DIN
A.61
UTE
0.67 A+0.00 T
F"1=996
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @