Palco Low Voltage

Design Artec Studio   **iGuzzini**

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Product configuration: RC72.01
RC72.01: Palco LV spotlight Ø 51 - Wall Washer - Bluetooth - 16.1W 266.1lm - 2700K - CRI 90 - White

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Technical description
Miniaturised adjustable spotlight with adapter for installation on 48V low voltage track. Made of die-cast aluminium with a passive dissipation system. The adapter made of a thermoplastic material includes the DC/DC driver circuit and Bluetooth protocol. The swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. Thermoplastic high definition lens with extra filter for variable optic. Asymmetric screen designed to create a homogeneous effect on walls from top to bottom and avoid shadow zones near the ceiling. A rapid tool-free system for connecting the adapter electrically and mechanically to the track. 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.

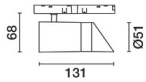| Colour	Weight (Kg)
White (01)	0.29

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
To optimize vertical illumination consult the installation distance recommendations in the instructions sheet. (*) The maximum distance for Bluetooth installations 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.
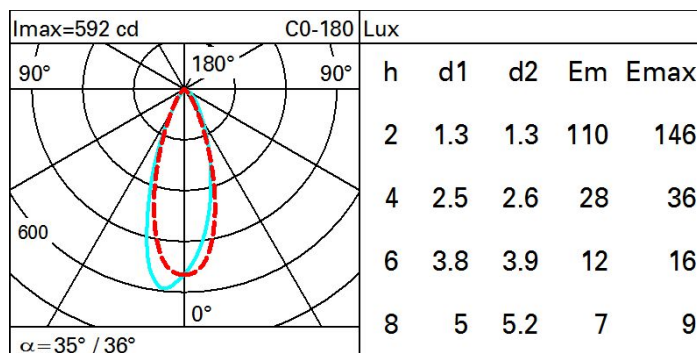
Complies with EN60598-1 and pertinent regulations

III   IP20   CE   UKCA   03   CCC S&E   S   QCERT

Technical data

lm system:	266	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	16.1	Voltage [Vin]:	48
lm source:	1400	Lamp code:	LED
W source:	15	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	16.5	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	LED current [mA]:	400
Light Output Ratio (L.O.R.) [%]:	19	Power factor:	See installation instructions
		Minimum dimming %:	1
CRI (minimum):	90	Control:	Bluetooth WiSilica
Colour temperature [K]:	2700		
MacAdam Step:	2		

Polar

Imax=592 cd   C0-180

α=35° / 36°

h	d1	d2	Em	Emax
2	1.3	1.3	110	146
4	2.5	2.6	28	36
6	3.8	3.9	12	16
8	5	5.2	7	9

Isolux

Lux
h=5 m.
α=0°

LED
/
16.1 W

14 6 3 1.2 0.6 0.4 0.2 0.1 0.0

-1 0 1 2 3 4 5 6 7 8 9 m