

Palco Pro

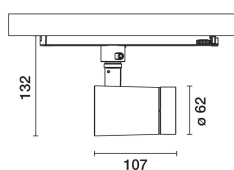
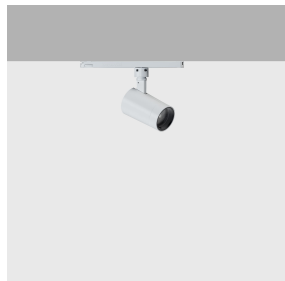
Design Artec
Studio

iGuzzini

Last information update: March 2025

Product configuration: PW47

PW47: Ø62mm body - BLE Casambi - WideFlood optic



Product code

PW47: Ø62mm body - BLE Casambi - WideFlood optic

Technical description

Adjustable spotlight with adapter for installation on an electrified track. High chromatic yield LED lamp (CRI97) with 2700K tone and OptiBeam Lens optic system and WideFlood optic. Luminaire made of die-cast aluminium and thermoplastic material that allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane with mechanical aiming locks. Passive heat dissipation. Spotlight with "Push&Go" system designed to hold up to three flat accessories at the same time. The same system can also be used to apply another external component selected from the directional flaps and anti-glare screen. All internal accessories rotate 360° about the spotlight longitudinal axis. Body complete with dimmable power supply unit and Casambi protocol positioned inside the product track adapter. The components used allow the products to be controlled with the Casambi system app and components, enabling on-off, dimming and scene recall functions and allowing multiple luminaires to operate in a Casambi mesh network. 2.4 GHz bluetooth frequency. The app is available on the Apple Store and Google Play Store. Integrated Beacon that can be activated via an app (iBeacon) that enables smart functions for third party applications and the Jiminy Push Notification app.

Installation

Installation on an electrified track.

Colour

White (01) | Black (04)

Weight (Kg)

0.51

Mounting

three circuit track|wall surface|three circuit track pendant|ceiling surface

Notes

Max distance between product and product 8 m.

The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations



IP20

IP40

for optical
assembly



Technical data

Im system:	1013	MacAdam Step:	2
W system:	19.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	1350	Lamp code:	LED
W source:	17	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	52.2	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	75	Inrush current:	5 A / 50 µs
Beam angle [°]:	46°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	97	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	2700	Control:	Casambi

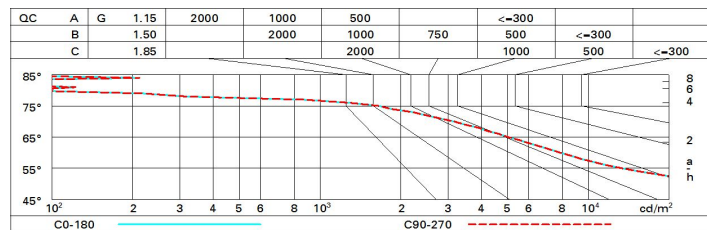
Polar

Imax=1619 cd		CIE nL 0.75 95-100-100-100-75 UGR 20.7-20.7 DIN A.61 UTE 0.75A+0.00T F*1=950 F*1+F*2=997 F*1+F*2+F*3=1000	Lux			
90°	180°		h	d	Em	Emax
1500	0°	$\alpha = 46^\circ$	1	0.9	1226	1619
			2	1.7	307	405
			3	2.6	136	180
			4	3.4	77	101

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	57	61	59	59	56	75
1.0	69	66	63	61	65	63	62	60	80
1.5	73	71	69	67	70	68	67	65	86
2.0	76	74	72	71	73	71	71	68	91
2.5	77	76	75	74	75	74	73	71	94
3.0	78	77	76	75	76	75	74	72	96
4.0	79	78	78	77	77	77	76	74	98
5.0	80	79	79	78	78	77	76	74	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 1350 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.3	21.9	21.5	22.1	22.4	21.3	21.9	21.5	22.1	22.4
	3H	21.1	21.7	21.5	22.0	22.2	21.2	21.7	21.5	22.0	22.2
	4H	21.1	21.6	21.4	21.9	22.2	21.1	21.6	21.4	21.9	22.2
	6H	21.0	21.5	21.3	21.8	22.1	21.0	21.5	21.4	21.8	22.1
	8H	21.0	21.4	21.3	21.7	22.1	21.0	21.4	21.3	21.7	22.1
	12H	20.9	21.4	21.3	21.7	22.0	20.9	21.4	21.3	21.7	22.1
4H	2H	21.1	21.6	21.4	21.9	22.2	21.1	21.6	21.4	21.9	22.2
	3H	20.9	21.4	21.3	21.7	22.1	20.9	21.4	21.3	21.7	22.1
	4H	20.9	21.2	21.3	21.6	22.0	20.9	21.2	21.3	21.6	22.0
	6H	20.8	21.1	21.2	21.5	21.9	20.8	21.1	21.2	21.5	21.9
	8H	20.7	21.0	21.2	21.4	21.9	20.7	21.0	21.2	21.4	21.9
	12H	20.7	21.0	21.1	21.4	21.8	20.7	21.0	21.1	21.4	21.8
8H	4H	20.7	21.0	21.2	21.4	21.9	20.7	21.0	21.2	21.4	21.9
	6H	20.6	20.9	21.1	21.3	21.8	20.6	20.9	21.1	21.3	21.8
	8H	20.6	20.8	21.1	21.3	21.8	20.6	20.8	21.1	21.3	21.8
	12H	20.5	20.7	21.0	21.2	21.7	20.5	20.7	21.0	21.2	21.7
12H	4H	20.7	21.0	21.1	21.4	21.8	20.7	21.0	21.1	21.4	21.8
	6H	20.6	20.8	21.1	21.3	21.8	20.6	20.8	21.1	21.3	21.8
	8H	20.5	20.7	21.0	21.2	21.7	20.5	20.7	21.0	21.2	21.7
Variations with the observer position at spacing:											
S =	1.0H	4.3 / -9.9					4.3 / -9.9				
	1.5H	7.0 / -13.3					7.0 / -13.3				
	2.0H	9.0 / -15.4					9.0 / -15.4				