

Palco Pro

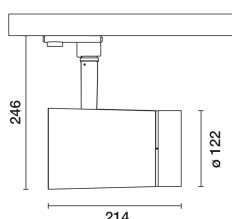
Design Artec
Studio

iGuzzini

Last information update: May 2025

Product configuration: PY47

PY47: Ø122mm body - BLE Casambi - Wide Flood optic - Warm White



Product code

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Technical description

Adjustable spotlight with adapter for installation on an electrified track or base. High chromatic yield LED lamp with Warm White (3000K) tone and OptiBeam Lens optic system and Wide Flood 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. 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 or base.

Colour

White (01) | Black (04)

Weight (Kg)

2.13

Mounting

wall surface|ceiling surface

Wiring

Electronic components integrated in product

Notes

Max distance between products 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:	2100	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	29.3	Lamp code:	LED
Im source:	2800	Number of lamps for optical assembly:	1
W source:	26	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	71.7	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	20 A / 25 µs
Light Output Ratio (L.O.R.) [%]:	75	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 34 luminaires B16A: 55 luminaires C10A: 57 luminaires C16A: 93 luminaires
Beam angle [°]:	46°	Minimum dimming %:	1
CRI (minimum):	97	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	Casambi
MacAdam Step:	2		

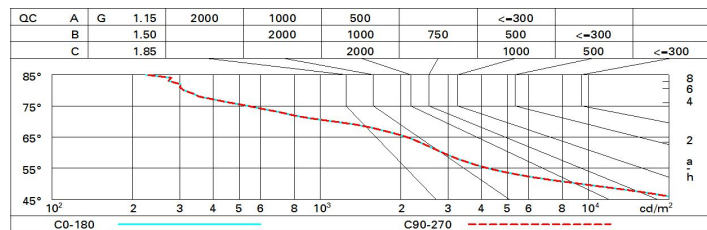
Polar

 Imax=3242 cd α=46°	CIE nL 0.75 94-100-100-100-75 UGR 17.1-17.1 DIN A.61 UTE 0.75A+0.00T F*1=944 F*1+F*2=996 F*1+F*2+F*3=1000 CIBSE LG3 L<3000 cd/m² at 65° UGR<19 L<3000 cd/mq @65°	Lux			
		h	d	Em	E _{max}
		2	1.7	621	811
		4	3.4	155	203
		6	5.1	69	90
		8	6.9	39	51

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	57	61	59	58	56	74
1.0	69	66	63	61	65	62	62	60	79
1.5	73	71	68	67	70	68	67	65	86
2.0	76	74	72	71	73	71	70	68	91
2.5	77	76	75	73	75	73	73	71	94
3.0	78	77	76	75	76	75	74	72	96
4.0	79	78	78	77	77	77	75	73	98
5.0	80	79	79	78	78	77	76	74	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2800 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	17.6	18.2	17.9	18.5	18.7	17.6	18.2	17.9	18.5	18.7
	3H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	4H	17.4	17.9	17.7	18.2	18.5	17.4	17.9	17.8	18.2	18.5
	6H	17.3	17.8	17.7	18.1	18.5	17.3	17.8	17.7	18.1	18.5
	8H	17.3	17.8	17.7	18.1	18.4	17.3	17.8	17.7	18.1	18.4
	12H	17.3	17.7	17.6	18.0	18.4	17.3	17.7	17.6	18.0	18.4
4H	2H	17.4	17.9	17.8	18.2	18.5	17.4	17.9	17.7	18.2	18.5
	3H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	4H	17.2	17.6	17.6	18.0	18.3	17.2	17.6	17.6	18.0	18.3
	6H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3
	8H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	12H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
8H	4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	12H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
12H	4H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
Variations with the observer position at spacing:											
S =	1.0H	4.1 / -9.7					4.1 / -9.7				
	1.5H	6.8 / -12.0					6.8 / -12.0				
	2.0H	8.8 / -13.9					8.8 / -13.9				