Palco Pro

Design Artec Studio **iGuzzini**

Last information update: January 2025

Product configuration: RQ98
RQ98: Dimmable electronic Ø102mm body - Flood optic - Warm White

Product code
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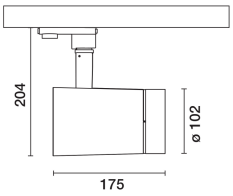
Technical description
Adjustable spotlight with adapter for installation on an electrified track or base. High chromatic yield LED lamp with Warm White (3000K) tone and OptiBeam Lens optic system and Flood optic. Dimmable electronic power supply integrated in product with Tool Free manual dimmer. Luminaire 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 two 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.

Installation
Installation on an electrified track or base.



Colour
White (01) | Black (04)

Weight (Kg)
1.33

Mounting
wall surface|ceiling surface

Wiring
Electronic components integrated in product

Complies with EN60598-1 and pertinent regulations

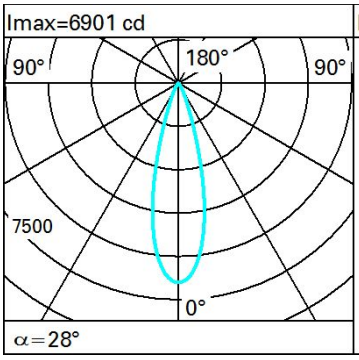
IP20 IP40 for optical assembly

Technical data

lm system:	1811
W system:	19.9
lm source:	2130
W source:	18
Luminous efficiency (lm/W, real value):	91
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	85
Beam angle [°]:	28°
CRI (minimum):	90
Colour temperature [K]:	3000
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Minimum dimming %:	1
Overvoltage protection:	4kV Common mode & 2kV Differential mode
Control:	Completo di dimmer

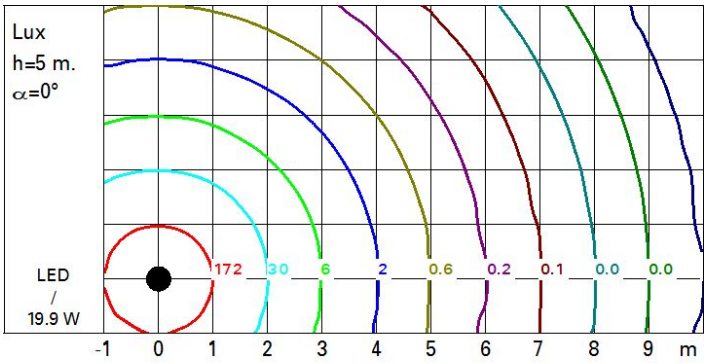
Polar



Lux

h	d	Em	Emax
2	1	1373	1725
4	2	343	431
6	3	153	192
8	4	86	108

Isolux



UGR diagram

Corrected UGR values (at 2130 lm bare lamp luminous flux)

Riflect.: ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	10.5	12.5	10.8	12.8	13.1	10.5	12.5	10.8	12.8	13.1
	3H	10.3	11.9	10.7	12.2	12.5	10.3	11.9	10.7	12.2	12.6
	4H	10.3	11.6	10.6	11.9	12.2	10.3	11.6	10.7	11.9	12.3
	6H	10.2	11.3	10.6	11.6	12.0	10.2	11.3	10.6	11.6	12.0
	8H	10.2	11.2	10.6	11.5	11.9	10.2	11.2	10.6	11.6	11.9
	12H	10.1	11.1	10.5	11.5	11.9	10.1	11.1	10.5	11.5	11.9
4H	2H	10.3	11.6	10.7	11.9	12.3	10.3	11.6	10.6	11.9	12.2
	3H	10.2	11.2	10.6	11.5	11.9	10.2	11.2	10.6	11.5	11.9
	4H	10.1	11.0	10.5	11.4	11.8	10.1	11.0	10.5	11.4	11.8
	6H	9.7	11.3	10.2	11.7	12.2	9.7	11.3	10.2	11.7	12.2
	8H	9.6	11.4	10.1	11.8	12.3	9.6	11.4	10.1	11.8	12.3
	12H	9.5	11.3	10.0	11.8	12.3	9.5	11.3	10.0	11.8	12.3
8H	4H	9.6	11.4	10.1	11.8	12.3	9.6	11.4	10.1	11.8	12.3
	6H	9.4	11.2	10.0	11.7	12.2	9.4	11.2	10.0	11.7	12.2
	8H	9.4	11.0	9.9	11.5	12.0	9.4	11.0	9.9	11.5	12.0
	12H	9.5	10.6	10.1	11.1	11.6	9.5	10.6	10.1	11.1	11.6
12H	4H	9.5	11.3	10.0	11.8	12.3	9.5	11.3	10.0	11.8	12.3
	6H	9.4	11.0	9.9	11.5	12.0	9.4	11.0	9.9	11.5	12.0
	8H	9.5	10.6	10.1	11.1	11.6	9.5	10.6	10.1	11.1	11.6

Variations with the observer position at spacing:

S =			
	1.0H	4.1 / -7.1	4.1 / -7.1
	1.5H	6.8 / -11.1	6.8 / -11.1
	2.0H	8.8 / -14.4	8.8 / -14.4