Palco Pro

Design Artec Studio   **iGuzzini**

Last information update: January 2025

Product configuration: RR15
RR15: Dimmable electronic Ø102mm DALI body - Flood optic - Warm White

Product code
RR15: Dimmable electronic Ø102mm DALI body - Flood optic - Warm White

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 DALI power supply integrated in product. 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.

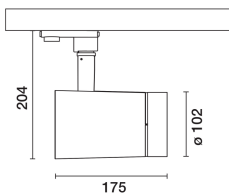| Colour	Weight (Kg)
White (01)	Black (04)	1.33

Mounting
wall surface|ceiling surface

Wiring
Electronic components integrated in product

Complies with EN60598-1 and pertinent regulations

IP20   IP40   for optical assembly   CE   UKCA   ⌀03   S   QCERT   CCC pending

Technical data

lm system:	1811	CRI (minimum):	90
W system:	19.9	Colour temperature [K]:	3000
lm source:	2130	MacAdam Step:	2
W source:	18	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	91	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	DALI-2

Polar

Imax=6901 cd

α=28°

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

Isolux

Lux
h=5 m.
α=0°

LED
/
19.9 W

172 30 6 2 0.6 0.2 0.1 0.0 0.0

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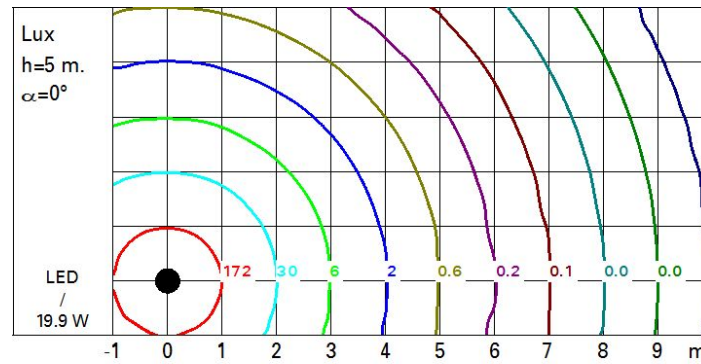
UGR diagram

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					viewed			
x	y		crosswise					endwise			
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