Palco Pro

Design Artec Studio **iGuzzini**

Last information update: January 2025

Product configuration: PS08
PS08: Dimmable electronic Ø102mm DALI body - Wide Flood optic

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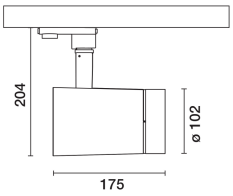
Technical description
Adjustable spotlight with adapter for installation on an electrified track or base. High chromatic yield LED lamp with 3500K tone and OptiBeam Lens optic system and Wide Flood optic. Dimmable electronic DALI power supply integrated in product. Luminaire made of die-cast aluminium 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
White (01) | Black (04)

Weight (Kg)
1.33

Mounting
wall surface|ceiling surface

Wiring
Electronic components integrated in product

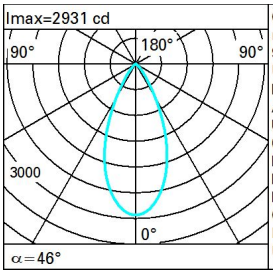
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	1834	CRI (minimum):	90
W system:	19.9	Colour temperature [K]:	3500
lm source:	2210	MacAdam Step:	2
W source:	18	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	92.2	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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI-2

Polar



CIE
nL 0.83
94-100-100-100-83
UGR 17.5-17.5
DIN
A.61
UTE
0.83A+0.00T
F"1=944
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65°

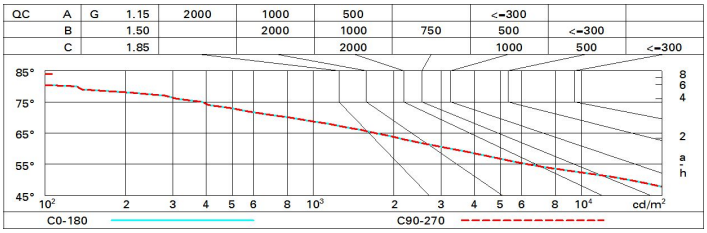
Lux

h	d	Em	Emax
2	1.7	555	733
4	3.4	139	183
6	5.1	62	81
8	6.8	35	46

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	68	65	63	68	65	65	62	74
1.0	76	73	70	68	72	69	69	66	79
1.5	81	78	76	74	77	75	74	72	86
2.0	84	82	80	78	80	79	78	76	91
2.5	85	84	82	81	83	81	80	78	94
3.0	87	85	84	83	84	83	82	80	96
4.0	88	87	86	85	85	85	83	81	98
5.0	88	88	87	87	86	86	84	82	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2210 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	18.1	18.7	18.3	18.9	19.2	18.1	18.7	18.3	18.9	19.2
	3H	17.9	18.5	18.2	18.8	19.0	17.9	18.5	18.3	18.8	19.0
	4H	17.9	18.4	18.2	18.7	19.0	17.9	18.4	18.2	18.7	19.0
	6H	17.8	18.3	18.1	18.6	18.9	17.8	18.3	18.1	18.6	18.9
	8H	17.7	18.2	18.1	18.5	18.9	17.8	18.2	18.1	18.5	18.9
	12H	17.7	18.1	18.1	18.5	18.8	17.7	18.2	18.1	18.5	18.9
4H	2H	17.9	18.4	18.2	18.7	19.0	17.9	18.4	18.2	18.7	19.0
	3H	17.7	18.2	18.1	18.5	18.9	17.7	18.2	18.1	18.5	18.9
	4H	17.6	18.0	18.0	18.4	18.8	17.6	18.0	18.0	18.4	18.8
	6H	17.6	17.9	18.0	18.3	18.7	17.6	17.9	18.0	18.3	18.7
	8H	17.5	17.8	17.9	18.2	18.7	17.5	17.8	17.9	18.2	18.7
	12H	17.5	17.7	17.9	18.2	18.6	17.5	17.7	17.9	18.2	18.6
8H	4H	17.5	17.8	17.9	18.2	18.7	17.5	17.8	17.9	18.2	18.7
	6H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
	8H	17.4	17.6	17.8	18.0	18.5	17.4	17.6	17.8	18.0	18.5
	12H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
12H	4H	17.5	17.7	17.9	18.2	18.6	17.5	17.7	17.9	18.2	18.6
	6H	17.4	17.6	17.8	18.0	18.5	17.4	17.6	17.8	18.0	18.5
	8H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5

Variations with the observer position at spacing:

S =			
	1.0H	4.1 / -8.9	4.1 / -8.9
	1.5H	6.8 / -13.9	6.8 / -13.9
	2.0H	8.8 / -17.5	8.8 / -17.5