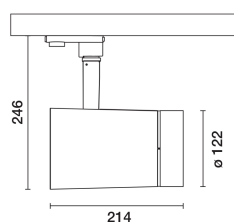


Last information update: November 2024

**Product configuration: PS28**

PS28: Dimmable electronic Ø122mm DALI body - Wide Flood optic

**Product code**

PS28: Dimmable electronic Ø122mm DALI body - Wide Flood optic

**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)**

2.13

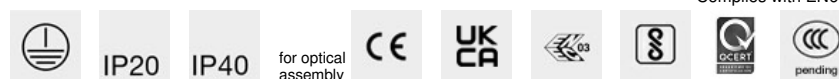
**Mounting**

wall surface/ceiling surface

**Wiring**

Electronic components integrated in product

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2153	CRI (minimum):	97
W system:	29.3	Colour temperature [K]:	3500
Im source:	2870	MacAdam Step:	2
W source:	26	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	73.5	Lamp code:	LED
Im 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.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI-2

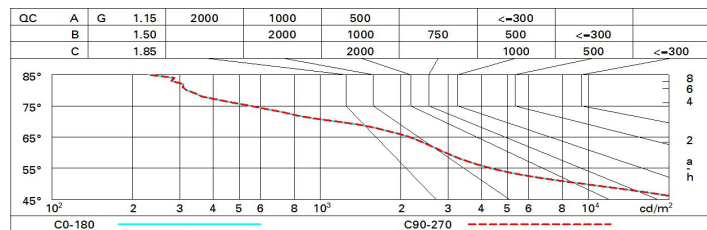
**Polar**

 Imax=3323 cd 90° 180° 90° 3000 0° α=46°	<b>CIE</b> nL 0.75 94-100-100-100-75 UGR 17.2-17.2 <b>DIN</b> A.61 <b>UTE</b> 0.75A+0.00T F*1=944 F*1+F*2=996 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<3000 cd/m² at 65° UGR<19   L<3000 cd/mq @65°				<b>Lux</b>			
	h	d	Em	Emax				
	2	1.7	637	831				
	4	3.4	159	208				
	6	5.1	71	92				
	8	6.9	40	52				

# 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 2870 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	17.7	18.3	18.0	18.5	18.8	17.7	18.3	18.0	18.5	18.8
	3H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	17.9	18.4	18.7
	4H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	6H	17.4	17.9	17.8	18.2	18.5	17.4	17.9	17.8	18.2	18.5
	8H	17.4	17.9	17.8	18.2	18.5	17.4	17.9	17.8	18.2	18.5
	12H	17.4	17.8	17.7	18.1	18.5	17.4	17.8	17.7	18.1	18.5
4H	2H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	3H	17.4	17.8	17.8	18.2	18.5	17.4	17.8	17.7	18.2	18.5
	4H	17.3	17.7	17.7	18.0	18.4	17.3	17.7	17.7	18.0	18.4
	6H	17.2	17.5	17.6	17.9	18.4	17.2	17.5	17.6	17.9	18.4
	8H	17.2	17.5	17.6	17.9	18.3	17.2	17.5	17.6	17.9	18.3
	12H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3
8H	4H	17.2	17.5	17.6	17.9	18.3	17.2	17.5	17.6	17.9	18.3
	6H	17.1	17.3	17.5	17.8	18.2	17.1	17.3	17.5	17.8	18.2
	8H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
	12H	17.0	17.2	17.5	17.6	18.2	17.0	17.2	17.5	17.6	18.2
12H	4H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3
	6H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
	8H	17.0	17.2	17.5	17.6	18.2	17.0	17.2	17.5	17.6	18.2
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				