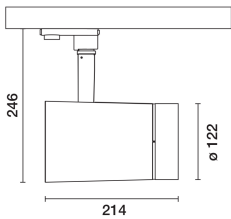


Last information update: November 2024

Product configuration: PS16

PS16: Dimmable electronic Ø122mm body - Wide Flood optic



Product code

PS16: Dimmable electronic Ø122mm 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 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)

2.13

Mounting

wall surface|ceiling surface

Wiring

Electronic components integrated in product

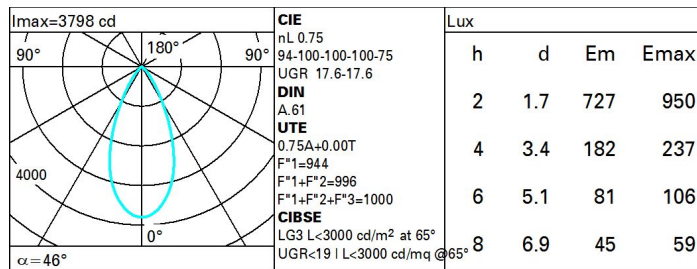
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	2460	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	29.7	Lamp code:	LED
lm source:	3280	Number of lamps for optical assembly:	1
W source:	26	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	82.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	75	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Beam angle [°]:	46°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	3500	Control:	Completo di dimmer
MacAdam Step:	2		

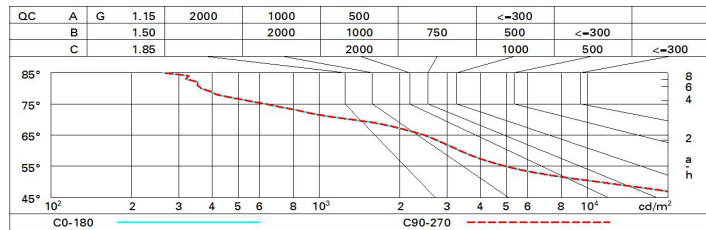
Polar



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 3280 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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											
x	y										
2H	2H	18.2	18.8	18.4	19.0	19.3	18.2	18.8	18.4	19.0	19.3
	3H	18.0	18.6	18.4	18.9	19.1	18.0	18.6	18.4	18.9	19.1
	4H	18.0	18.5	18.3	18.8	19.1	18.0	18.5	18.3	18.8	19.1
	6H	17.9	18.4	18.2	18.7	19.0	17.9	18.4	18.2	18.7	19.0
	8H	17.9	18.3	18.2	18.6	19.0	17.9	18.3	18.2	18.6	19.0
12H	17.8	18.3	18.2	18.6	18.9	17.8	18.3	18.2	18.6	18.9	
4H	2H	18.0	18.5	18.3	18.8	19.1	18.0	18.5	18.3	18.8	19.1
	3H	17.8	18.3	18.2	18.6	19.0	17.8	18.3	18.2	18.6	19.0
	4H	17.8	18.1	18.2	18.5	18.9	17.8	18.1	18.2	18.5	18.9
	6H	17.7	18.0	18.1	18.4	18.8	17.7	18.0	18.1	18.4	18.8
	8H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.8
12H	17.6	17.9	18.0	18.3	18.7	17.6	17.9	18.0	18.3	18.7	
8H	4H	17.6	17.9	18.1	18.3	18.8	17.6	17.9	18.1	18.3	18.8
	6H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	18.0	18.2	18.7
	8H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
	12H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
12H	4H	17.6	17.9	18.0	18.3	18.7	17.6	17.9	18.0	18.3	18.7
	6H	17.5	17.7	18.0	18.2	18.7	17.5	17.7	18.0	18.2	18.7
	8H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
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				