

Last information update: May 2018



small body - Warm White DALI - wide flood optic

Product code
P633

Technical description

Adjustable spotlight with adapter for installation on mains voltage track for high-performance LED with monochromatic Warm White (3,000K) emission. DALI ballast built-into product. The fitting is made of die-cast aluminium and thermoplastic material. It enables 360° rotation around the vertical axis and 90° inclination with respect to the horizontal plane. It is provided with mechanical locks for orientation, for both rotations, which are applied by using the same tool on two screws, one in lateral position to the rod and one on the track adapter. Passive cooling system. Spotlight able to house up to two flat accessories at the same time. One further external component can be applied, either directional flaps or anti-glare screen. All the external accessories can be rotated by 360° with respect to the longitudinal axis of the spotlight.

Installation

Mounted on electrified track on dedicated base

Dimension (mm)

Ø102x204

Colour

White (01) | Black (04)

Weight (Kg)

1.28

Mounting

three circuit track

Wiring

DALI components contained within the fitting

Complies with EN60598-1 and pertinent regulations



Product configuration: P633

Product characteristics

Total lighting output [Lm]: 2036.1
Total power [W]: 28.5
Luminous efficacy [Lm/W]: 71.4
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

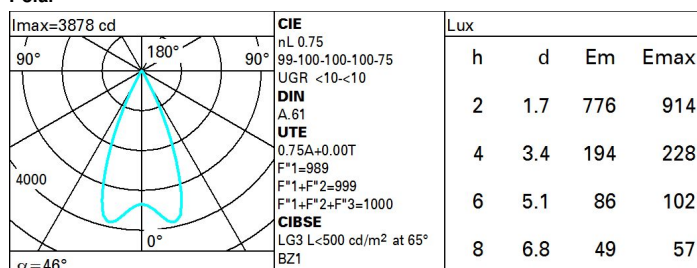
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 26
Nominal luminous [Lm]: 2700
Lamp maximum intensity [cd]: /
Beam angle [°]: 46°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.5
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

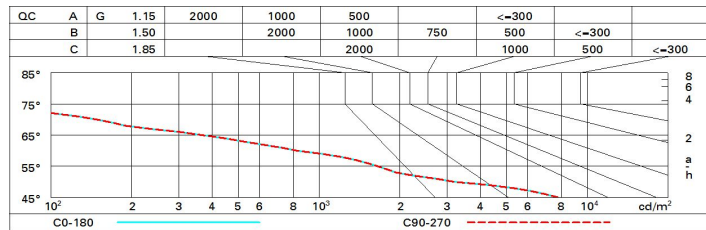
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	64	62	60	64	61	61	59	78
1.0	71	68	65	64	67	65	65	62	82
1.5	74	72	70	69	71	69	69	67	88
2.0	77	75	74	72	74	73	72	70	93
2.5	78	77	76	75	76	75	74	72	95
3.0	79	78	77	77	77	76	75	74	97
4.0	80	79	79	78	78	78	77	75	99
5.0	81	80	80	79	79	78	77	75	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)										
Reflect.:										
ceiling	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										
			viewed					viewed		
			crosswise					endwise		
2H	2H	8.9	9.4	9.1	9.7	9.9	8.9	9.4	9.1	9.7
	3H	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5
	4H	8.7	9.1	9.0	9.4	9.7	8.7	9.2	9.0	9.4
	6H	8.6	9.0	8.9	9.3	9.7	8.6	9.0	8.9	9.4
	8H	8.5	9.0	8.9	9.3	9.6	8.6	9.0	8.9	9.3
	12H	8.5	8.9	8.9	9.3	9.6	8.5	8.9	8.9	9.3
4H	2H	8.7	9.2	9.0	9.4	9.7	8.7	9.1	9.0	9.4
	3H	8.5	8.9	8.9	9.3	9.6	8.5	8.9	8.9	9.3
	4H	8.4	8.8	8.8	9.2	9.5	8.4	8.8	8.8	9.2
	6H	8.3	8.7	8.8	9.1	9.5	8.3	8.7	8.8	9.1
	8H	8.3	8.6	8.7	9.0	9.4	8.3	8.6	8.7	9.0
	12H	8.2	8.5	8.7	8.9	9.4	8.2	8.5	8.7	8.9
8H	4H	8.3	8.6	8.7	9.0	9.4	8.3	8.6	8.7	9.0
	6H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.9
	8H	8.1	8.4	8.6	8.8	9.3	8.1	8.4	8.6	8.8
	12H	8.1	8.3	8.6	8.8	9.3	8.1	8.3	8.6	8.8
12H	4H	8.2	8.5	8.7	8.9	9.4	8.2	8.5	8.7	8.9
	6H	8.1	8.4	8.6	8.8	9.3	8.1	8.4	8.6	8.8
	8H	8.1	8.3	8.6	8.8	9.3	8.1	8.3	8.6	8.8
Variations with the observer position at spacing:										
S =	1.0H		5.1	/	-10.3		5.1	/	-10.3	
	1.5H		7.8	/	-15.6		7.8	/	-15.6	
	2.0H		9.8	/	-20.9		9.8	/	-20.9	