

Last information update: October 2024

Product configuration: P633

P633: small body - Warm White DALI - wide flood optic



Product code

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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

Colour

White (01) | Black (04)

Weight (Kg)

1.28

Mounting

three circuit track

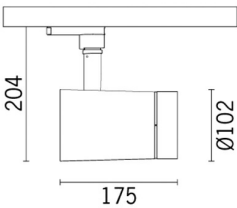
Wiring

DALI components contained within the fitting

Sistemi di controllo compatibili:

- Quick BLE - Bluetooth Low Energy [↗](#)
- Quick DALI - Touch display 7" [↗](#)
- Quick DALI LMS Quick [↗](#)
- Master Pro Evo KNX [↗](#)

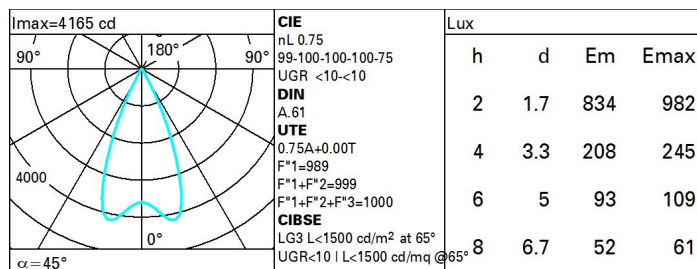
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2187	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	28.5	Lamp code:	LED
Im source:	2900	Number of lamps for optical assembly:	1
W source:	26	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	76.7	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	75	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	46°	Minimum dimming %:	1
CRI (minimum):	90	Oversvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

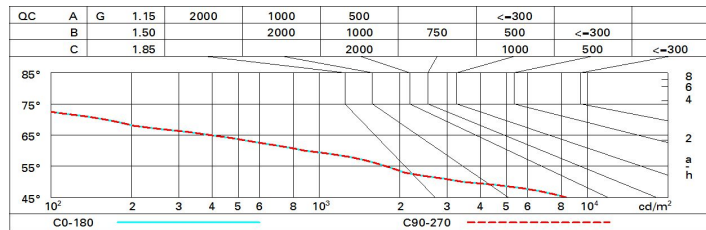
Polar



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 2900 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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											
x	y										
2H	2H	9.1	9.7	9.4	9.9	10.2	9.1	9.7	9.4	9.9	10.2
	3H	9.0	9.5	9.3	9.8	10.0	9.0	9.5	9.3	9.8	10.1
	4H	8.9	9.4	9.2	9.7	10.0	8.9	9.4	9.2	9.7	10.0
	6H	8.8	9.3	9.2	9.6	9.9	8.8	9.3	9.2	9.6	9.9
	8H	8.8	9.2	9.1	9.5	9.9	8.8	9.2	9.2	9.6	9.9
	12H	8.7	9.2	9.1	9.5	9.9	8.8	9.2	9.1	9.5	9.9
4H	2H	8.9	9.4	9.2	9.7	10.0	8.9	9.4	9.2	9.7	10.0
	3H	8.8	9.2	9.1	9.5	9.9	8.8	9.2	9.1	9.5	9.9
	4H	8.7	9.0	9.1	9.4	9.8	8.7	9.0	9.1	9.4	9.8
	6H	8.6	8.9	9.0	9.3	9.7	8.6	8.9	9.0	9.3	9.7
	8H	8.5	8.8	9.0	9.2	9.7	8.5	8.8	9.0	9.2	9.7
	12H	8.5	8.8	8.9	9.2	9.6	8.5	8.8	8.9	9.2	9.6
8H	4H	8.5	8.8	9.0	9.2	9.7	8.5	8.8	9.0	9.2	9.7
	6H	8.4	8.7	8.9	9.1	9.6	8.4	8.7	8.9	9.1	9.6
	8H	8.4	8.6	8.9	9.1	9.6	8.4	8.6	8.9	9.1	9.6
	12H	8.3	8.5	8.8	9.0	9.5	8.3	8.5	8.8	9.0	9.5
12H	4H	8.5	8.8	8.9	9.2	9.6	8.5	8.8	8.9	9.2	9.6
	6H	8.4	8.6	8.9	9.1	9.6	8.4	8.6	8.9	9.1	9.6
	8H	8.3	8.5	8.8	9.0	9.5	8.3	8.5	8.8	9.0	9.5
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					