

Last information update: June 2018



spotlight - DALI dimmable neutral white - wide flood optic

Product code
P669

Technical description

Adjustable spotlight with adapter for installation on DALI track for LED source with COB technology, Neutral White (4000K) emission. DALI control gear housed inside the track-mounted power supply box. The luminaire is made of die-cast aluminium and thermoplastic. OPTI BEAM superpure aluminium reflector with high luminous efficacy and uniform distribution, wide flood optic. Features 90° inclination on the horizontal plane and 360° rotation around the vertical axis, with mechanical locking device for aiming. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

Installation

The luminaire can be installed on a DALI track or on an appropriate channel incorporating an electrified track.

Dimension (mm)
Ø86x189

Colour
White (01) | Black (04)

Weight (Kg)
1.12

Mounting

three circuit track|ceiling surface

Wiring

product inclusive of DALI components incorporated into the track-mounted box.

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly



Product configuration: P669

Product characteristics

Total lighting output [Lm]: 2278
Total power [W]: 22.7
Luminous efficacy [Lm/W]: 100.4
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

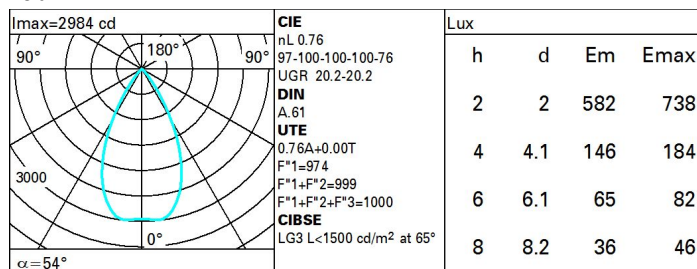
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 76
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 20
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 54°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

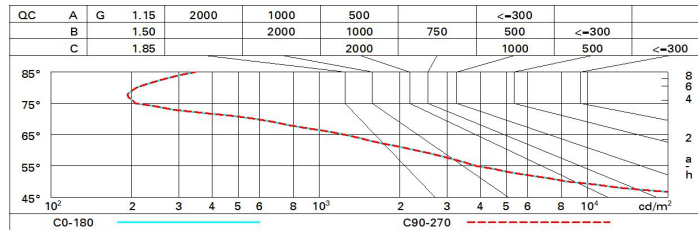
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	64	61	59	63	61	61	58	77
1.0	71	68	65	63	67	65	64	62	81
1.5	75	72	70	69	71	70	69	66	88
2.0	77	75	74	73	74	73	72	70	92
2.5	79	77	76	75	76	75	74	72	95
3.0	80	79	78	77	77	77	76	74	97
4.0	80	80	79	79	78	78	77	75	99
5.0	81	80	80	80	79	79	78	76	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 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		viewed crosswise					viewed endwise				
X	Y										
2H	2H	20.8	21.5	21.1	21.7	21.9	20.8	21.5	21.1	21.7	21.9
	3H	20.7	21.3	21.0	21.5	21.8	20.7	21.3	21.0	21.5	21.8
	4H	20.6	21.1	21.0	21.4	21.7	20.6	21.1	21.0	21.4	21.7
	6H	20.5	21.0	20.9	21.3	21.7	20.5	21.0	20.9	21.3	21.7
	8H	20.5	21.0	20.9	21.3	21.6	20.5	21.0	20.9	21.3	21.6
	12H	20.5	20.9	20.8	21.2	21.6	20.5	20.9	20.8	21.2	21.6
4H	2H	20.6	21.1	21.0	21.4	21.7	20.6	21.1	21.0	21.4	21.7
	3H	20.5	20.9	20.8	21.2	21.6	20.5	20.9	20.8	21.2	21.6
	4H	20.4	20.8	20.8	21.1	21.5	20.4	20.8	20.8	21.1	21.5
	6H	20.3	20.6	20.7	21.0	21.4	20.3	20.6	20.7	21.0	21.4
	8H	20.2	20.6	20.7	21.0	21.4	20.2	20.6	20.7	21.0	21.4
	12H	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	20.9	21.4
8H	4H	20.2	20.6	20.7	21.0	21.4	20.2	20.6	20.7	21.0	21.4
	6H	20.2	20.4	20.6	20.9	21.3	20.2	20.4	20.6	20.9	21.3
	8H	20.1	20.3	20.6	20.8	21.3	20.1	20.3	20.6	20.8	21.3
	12H	20.0	20.2	20.5	20.7	21.2	20.0	20.2	20.5	20.7	21.2
12H	4H	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	20.9	21.4
	6H	20.1	20.3	20.6	20.8	21.3	20.1	20.3	20.6	20.8	21.3
	8H	20.0	20.2	20.5	20.7	21.2	20.0	20.2	20.5	20.7	21.2
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -17.5					5.3 / -17.5				
	1.5H	8.1 / -21.6					8.1 / -21.6				
	2.0H	10.1 / -25.1					10.1 / -25.1				