

View Opti Beam Lens rotondo

Design iGuzzini / Arup

iGuzzini

Last information update: May 2018



round large body spotlight - wide flood

Product code

Q309

Technical description

Indoor adjustable spotlight with adapter for installation on a three-phase/DALI track. Device made of die-cast aluminium and a front part made of a thermoplastic material. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Optical assembly consisting of Neutral White tone 4000K LEDs with OPTIBEAM LENS technology and a wide flood light beam. Dimmable DALI driver built-in to box with a semi-hidden system on track. Option of installing a range of flat accessories including an OPTIBEAM REFRACTOR for varying light distribution, an elliptical distribution refractor, a louver, a soft lens and an outdoor accessory like an asymmetric visor for eliminating stray light dispersion on the ceiling.

Installation

On a three-phase/DALI electrified track

Dimension (mm)

Ø156x194

Colour

Black (04) | Black/White (47)

Weight (Kg)

1.66

Mounting

dali track|three circuit track

Wiring

Product complete with DALI dimmable components, housed in a semi-hidden box on the track.

Complies with EN60598-1 and pertinent regulations



IP20



Product configuration: Q309

Product characteristics

Total lighting output [Lm]: 2870
Total power [W]: 29
Luminous efficacy [Lm/W]: 99
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

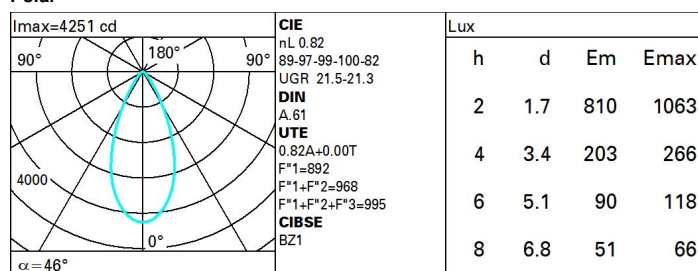
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 82
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 25
Nominal luminous [Lm]: 3500
Lamp maximum intensity [cd]: /
Beam angle [°]: 46°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

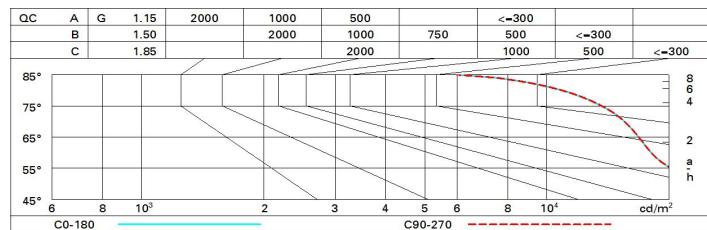
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	65	62	59	64	61	61	58	70
1.0	74	69	66	64	68	66	65	62	76
1.5	79	75	73	70	74	72	71	68	83
2.0	82	79	77	75	78	76	75	72	88
2.5	83	81	80	78	80	79	78	75	92
3.0	85	83	82	81	82	81	80	77	94
4.0	86	85	84	83	83	83	81	79	96
5.0	87	86	85	84	84	84	82	80	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 3500 lm bare lamp luminous flux)																
Reflect.:																
ceil/cav		0.70	0.70	0.50	0.50	0.30	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	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	0.20	0.20	0.20	0.20	0.20
Room dim		viewed						viewed								
x y		crosswise						endwise								
2H	2H	20.0	20.7	20.3	20.9	21.1	20.0	20.7	20.3	20.9	21.1	20.0	20.7	20.3	20.9	21.1
	3H	20.5	21.2	20.9	21.4	21.7	20.1	20.7	20.4	21.0	21.3	20.1	20.7	20.4	21.0	21.3
	4H	20.8	21.4	21.1	21.6	22.0	20.1	20.7	20.5	21.0	21.3	20.1	20.7	20.5	21.0	21.3
	6H	20.9	21.5	21.3	21.8	22.1	20.1	20.7	20.5	21.0	21.3	20.1	20.7	20.5	21.0	21.3
	8H	21.0	21.5	21.3	21.8	22.1	20.1	20.6	20.5	21.0	21.3	20.1	20.6	20.5	21.0	21.3
	12H	21.0	21.4	21.3	21.8	22.1	20.1	20.6	20.5	20.9	21.3	20.1	20.6	20.5	20.9	21.3
4H	2H	20.1	20.7	20.5	21.0	21.3	20.8	21.4	21.1	21.6	22.0	21.1	21.6	21.5	21.9	22.3
	3H	20.9	21.4	21.3	21.7	22.1	21.2	21.7	21.6	22.0	22.4	21.2	21.7	21.6	22.0	22.4
	4H	21.2	21.7	21.6	22.0	22.4	21.3	21.7	21.7	22.1	22.5	21.3	21.7	21.7	22.1	22.5
	6H	21.5	21.8	21.9	22.2	22.7	21.3	21.7	21.7	22.1	22.5	21.3	21.7	21.7	22.1	22.5
	8H	21.5	21.9	21.9	22.3	22.7	21.3	21.7	21.7	22.1	22.5	21.3	21.7	21.7	22.1	22.5
	12H	21.5	21.8	22.0	22.3	22.7	21.3	21.6	21.7	22.0	22.5	21.3	21.6	21.7	22.0	22.5
8H	4H	21.3	21.7	21.7	22.1	22.5	21.5	21.9	21.9	22.3	22.7	21.7	21.9	22.1	22.4	22.9
	6H	21.6	21.9	22.1	22.4	22.8	21.7	21.9	22.1	22.4	22.9	21.7	21.9	22.2	22.4	22.9
	8H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
	12H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
12H	4H	21.3	21.6	21.7	22.0	22.5	21.5	21.8	22.0	22.3	22.7	21.7	21.9	22.2	22.4	22.9
	6H	21.6	21.9	22.1	22.3	22.8	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
	8H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
Variations with the observer position at spacing:																
S =	1.0H	1.7 / -1.2						1.7 / -1.2								
	1.5H	3.5 / -1.6						3.5 / -1.6								
	2.0H	5.1 / -1.9						5.1 / -1.9								