View Opti Beam Lens quadrato

Design iGuzzini / Arup   **iGuzzini**

Last information update: June 2018

square large body spotlight - wide flood

Product code
Q339

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 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)
156x156x193

Colour
Black (04) | Black/White (47)

Weight (Kg)
1.79

Mounting
dali track|three circuit track

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

Complies with EN60598-1 and pertinent regulations

IP20

A++
pending

Product configuration: Q339

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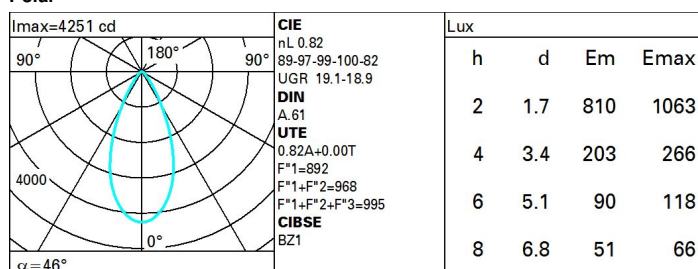Life Time: > 50,000h - L80 - B10 (Ta 25°C)

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

Imax=4251 cd	CIE	Lux			
90° 180° 90°	nL 0.82 89-97-99-100-82 UGR 19.1-18.9	h	d	Em	Emax
	DIN A.61	2	1.7	810	1063
	UTE 0.82A+0.00T F"1=892	4	3.4	203	266
4000	F"1+F"2=968 F"1+F"2+F"3=995	6	5.1	90	118
0°	**CIBSE** BZ1	8	6.8	51	66
α=46°					

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

QC	A	G	1.15	2000	1000	500			<=300		
	B		1.50		2000	1000	750		500	<=300	
	C		1.85			2000			1000	500	<=300

C0-180   C90-270
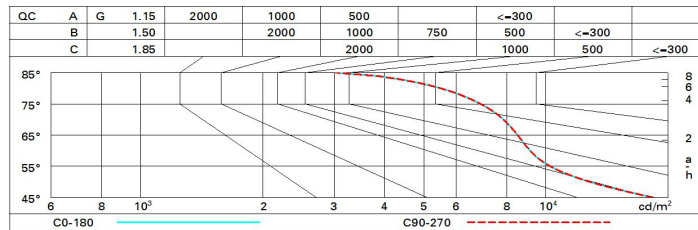
UGR diagram

Corrected UGR values (at 3500 lm bare lamp luminous flux)

Riflect.: 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			viewed crosswise					viewed endwise		
2H	2H	17.6	18.3	17.9	18.5	18.8	17.6	18.3	17.9	18.5	18.8
	3H	18.2	18.8	18.5	19.1	19.3	17.7	18.4	18.1	18.6	18.9
	4H	18.4	19.0	18.7	19.3	19.6	17.8	18.4	18.1	18.6	19.0
	6H	18.6	19.1	18.9	19.4	19.7	17.8	18.3	18.1	18.6	18.9
	8H	18.6	19.1	19.0	19.4	19.8	17.7	18.3	18.1	18.6	18.9
	12H	18.6	19.1	19.0	19.4	19.8	17.7	18.2	18.1	18.5	18.9
4H	2H	17.8	18.4	18.1	18.6	19.0	18.4	19.0	18.7	19.3	19.6
	3H	18.5	19.0	18.9	19.3	19.7	18.7	19.2	19.1	19.5	19.9
	4H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	6H	19.1	19.5	19.5	19.9	20.3	18.9	19.3	19.4	19.7	20.1
	8H	19.1	19.5	19.6	19.9	20.3	18.9	19.3	19.4	19.7	20.1
	12H	19.1	19.4	19.6	19.9	20.3	18.9	19.2	19.4	19.7	20.1
8H	4H	18.9	19.3	19.4	19.7	20.1	19.1	19.5	19.6	19.9	20.3
	6H	19.2	19.5	19.7	20.0	20.5	19.3	19.6	19.8	20.0	20.5
	8H	19.3	19.6	19.8	20.0	20.5	19.3	19.6	19.8	20.0	20.5
	12H	19.4	19.6	19.9	20.1	20.6	19.3	19.6	19.8	20.0	20.6
12H	4H	18.9	19.2	19.4	19.7	20.1	19.1	19.4	19.6	19.9	20.3
	6H	19.2	19.5	19.7	20.0	20.5	19.3	19.5	19.8	20.0	20.5
	8H	19.3	19.6	19.8	20.0	20.6	19.4	19.6	19.9	20.1	20.6

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