View Opti Beam Lens square

Design iGuzzini / Arup   **iGuzzini**

Last information update: April 2024

Product configuration: Q334
Q334: square small body spotlight - wide flood

Product code
Q334: square small body spotlight - wide flood **Attention! Code no longer in production**

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 Warm White tone 3000K CRI90 LEDs with OPTIBEAM LENS technology and a well-defined spot 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

Colour	Weight (Kg)
Black (04)	Black / White (47)	1.13

Mounting
dali track|three circuit track

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

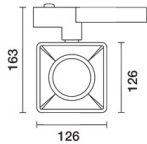Complies with EN60598-1 and pertinent regulations

IP20   CE   ⟨⟨⟨03   [S]   EHC   NOM-13   TRAM   ⑤   CCC pending

Technical data

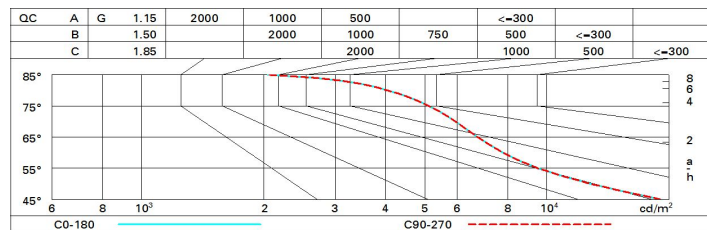|			
lm system:	1741	CRI (minimum):	90
W system:	21.3	Colour temperature [K]:	3000
lm source:	2100	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	81.8	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI

Polar

Imax=2624 cd

90° 180° 90°

2500

0°

α=46°

CIE
nL 0.83
91-98-100-100-83
UGR 18.1-18.0
DIN
A.61
UTE
0.83A+0.00T
F"1=907
F"1+F"2=977
F"1+F"2+F"3=996

Lux			
h	d	Em	Emax
2	1.7	507	656
4	3.4	127	164
6	5.1	56	73
8	6.8	32	41

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	63	61	66	63	62	59	72
1.0	75	71	68	65	70	67	67	64	77
1.5	80	77	74	72	76	73	73	70	84
2.0	83	80	78	77	79	77	77	74	89
2.5	85	83	81	80	82	80	79	77	92
3.0	86	84	83	82	83	82	81	79	95
4.0	87	86	85	84	85	84	83	80	97
5.0	88	87	86	86	85	85	83	81	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

85°
75°
65°
55°
45°

8
6
4
2
a
h

6 8 10³ 2 3 4 5 6 8 10⁴ cd/m²

C0-180 ——————
C90-270 - - - - - - -

UGR diagram

Corrected UGR values (at 2100 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			viewed					viewed			
x	y		crosswise					endwise			
2H	2H	17.4	18.0	17.7	18.3	18.5	17.4	18.0	17.7	18.3	18.5
	3H	17.7	18.3	18.0	18.5	18.8	17.4	18.0	17.7	18.3	18.6
	4H	17.8	18.3	18.1	18.6	18.9	17.4	18.0	17.8	18.3	18.6
	6H	17.8	18.3	18.2	18.7	19.0	17.4	17.9	17.7	18.2	18.5
	8H	17.8	18.3	18.2	18.7	19.0	17.4	17.8	17.7	18.2	18.5
	12H	17.8	18.3	18.2	18.6	19.0	17.3	17.8	17.7	18.1	18.5
4H	2H	17.4	18.0	17.8	18.3	18.6	17.8	18.3	18.1	18.6	18.9
	3H	17.8	18.3	18.2	18.6	19.0	17.9	18.4	18.3	18.8	19.1
	4H	18.0	18.4	18.4	18.8	19.2	18.0	18.4	18.4	18.8	19.2
	6H	18.1	18.5	18.5	18.9	19.3	18.0	18.4	18.5	18.8	19.2
	8H	18.1	18.5	18.6	18.9	19.3	18.0	18.3	18.5	18.8	19.2
	12H	18.1	18.4	18.6	18.9	19.3	18.0	18.3	18.4	18.7	19.2
8H	4H	18.0	18.3	18.5	18.8	19.2	18.1	18.5	18.6	18.9	19.3
	6H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	8H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	12H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
12H	4H	18.0	18.3	18.4	18.7	19.2	18.1	18.4	18.6	18.9	19.3
	6H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
	8H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4

Variations with the observer position at spacing:

S =	1.0H	2.3 / -1.9	2.3 / -1.9
	1.5H	4.4 / -2.6	4.4 / -2.6
	2.0H	6.2 / -3.0	6.2 / -3.0