View Opti Beam Lens square

Design iGuzzini / Arup **iGuzzini**

Last information update: May 2024

Product configuration: Q349
Q349: square large body spotlight - wide flood

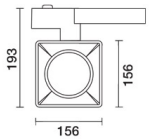
Product code
Q349: square large body spotlight - wide flood **Attention! Code no longer in production**

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 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

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

Weight (Kg)
1.79



Mounting
dali track|three circuit track

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

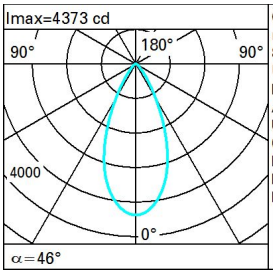
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	2952	CRI (minimum):	80
W system:	29	Colour temperature [K]:	4000
lm source:	3600	MacAdam Step:	2
W source:	24	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	101.8	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.) [%]:	82	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI

Polar



CIE
nL 0.82
89-97-99-100-82
UGR 19.2-19.0
DIN
A.61
UTE
0.82A+0.00T
F"1=892
F"1+F"2=968
F"1+F"2+F"3=995

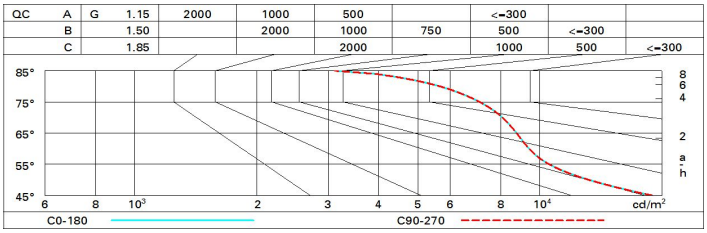
Lux

h	d	Em	Emax
2	1.7	834	1093
4	3.4	208	273
6	5.1	93	121
8	6.8	52	68

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 3600 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 crosswise					viewed endwise		
x	y										
2H	2H	17.7	18.4	18.0	18.6	18.9	17.7	18.4	18.0	18.6	18.9
	3H	18.3	18.9	18.6	19.2	19.4	17.8	18.5	18.2	18.7	19.0
	4H	18.5	19.1	18.8	19.4	19.7	17.9	18.5	18.2	18.7	19.0
	6H	18.7	19.2	19.0	19.5	19.8	17.9	18.4	18.2	18.7	19.0
	8H	18.7	19.2	19.0	19.5	19.9	17.8	18.4	18.2	18.7	19.0
	12H	18.7	19.2	19.1	19.5	19.9	17.8	18.3	18.2	18.6	19.0
4H	2H	17.9	18.5	18.2	18.7	19.0	18.5	19.1	18.8	19.4	19.7
	3H	18.6	19.1	19.0	19.4	19.8	18.8	19.3	19.2	19.6	20.0
	4H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
	6H	19.2	19.6	19.6	20.0	20.4	19.0	19.4	19.5	19.8	20.2
	8H	19.2	19.6	19.7	20.0	20.4	19.0	19.4	19.5	19.8	20.2
	12H	19.2	19.5	19.7	20.0	20.4	19.0	19.3	19.5	19.8	20.2
8H	4H	19.0	19.4	19.5	19.8	20.2	19.2	19.6	19.7	20.0	20.4
	6H	19.3	19.6	19.8	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	8H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	12H	19.5	19.7	20.0	20.1	20.7	19.4	19.6	19.9	20.1	20.7
12H	4H	19.0	19.3	19.5	19.8	20.2	19.2	19.5	19.7	20.0	20.4
	6H	19.3	19.6	19.8	20.1	20.5	19.4	19.6	19.9	20.1	20.6
	8H	19.4	19.6	19.9	20.1	20.7	19.5	19.7	20.0	20.1	20.7

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