

View Opti Beam Lens square

Design iGuzzini /
Arup

iGuzzini

Last information update: May 2024

Product configuration: Q318

Q318: square small body spotlight - medium



Product code

Q318: square small body spotlight - medium **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 medium 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

Colour

White (01) | Black (04) | Black / White (47)

Weight (Kg)

1.13

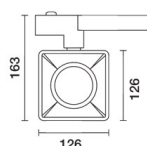
Mounting

dali track|three circuit track

Wiring

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

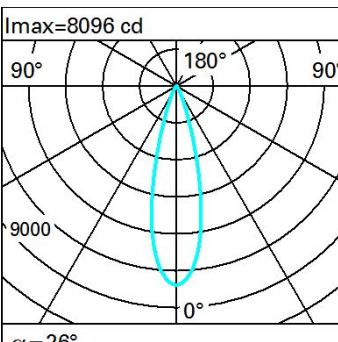
Complies with EN60598-1 and pertinent regulations



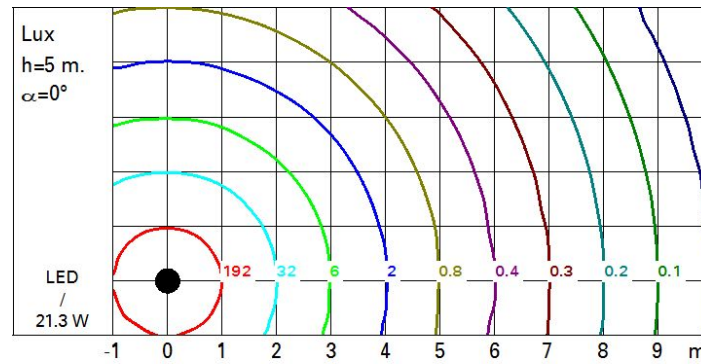
Technical data

Im system:	2052	CRI (minimum):	80
W system:	21.3	Colour temperature [K]:	4000
Im source:	2450	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	96.4	Lamp code:	LED
Im 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.) [%]:	84	Number of optical assemblies:	1
Beam angle [°]:	26°	Control:	Push Dim

Polar

Imax=8096 cd		Lux			
		h	d	Em	E _{max}
		2	0.9	1628	2024
		4	1.8	407	506
		6	2.8	181	225
		8	3.7	102	126
α=26°					

Isolux



UGR diagram

Corrected UGR values (at 2450 lm bare lamp luminous flux)												
Rflect.:												
cei/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	11.7	13.7	12.1	14.0	14.3	11.7	13.7	12.1	14.0	14.3	
	3H	12.4	14.0	12.8	14.3	14.6	11.9	13.5	12.3	13.8	14.1	
	4H	12.7	14.0	13.1	14.3	14.7	12.0	13.3	12.4	13.6	14.0	
	6H	12.9	13.9	13.3	14.3	14.6	12.0	13.1	12.4	13.4	13.8	
	8H	12.9	13.9	13.3	14.3	14.6	12.0	13.0	12.4	13.4	13.7	
	12H	12.9	13.9	13.3	14.3	14.6	12.0	13.0	12.4	13.3	13.7	
4H	2H	12.0	13.3	12.4	13.6	14.0	12.7	14.0	13.1	14.3	14.7	
	3H	13.0	13.9	13.4	14.3	14.7	13.1	14.1	13.5	14.5	14.9	
	4H	13.3	14.2	13.7	14.6	15.0	13.3	14.2	13.7	14.6	15.0	
	6H	13.3	14.8	13.7	15.3	15.7	13.1	14.7	13.6	15.1	15.6	
	8H	13.2	15.0	13.7	15.5	15.9	13.0	14.8	13.5	15.3	15.8	
	12H	13.1	15.0	13.6	15.5	16.0	12.9	14.8	13.5	15.3	15.8	
8H	4H	13.0	14.8	13.5	15.3	15.8	13.2	15.0	13.7	15.5	15.9	
	6H	13.3	15.0	13.8	15.5	16.0	13.3	15.0	13.8	15.5	16.1	
	8H	13.4	14.9	13.9	15.4	16.0	13.4	14.9	13.9	15.4	16.0	
	12H	13.6	14.6	14.1	15.1	15.7	13.6	14.6	14.1	15.1	15.7	
12H	4H	12.9	14.8	13.5	15.3	15.8	13.1	15.0	13.6	15.5	16.0	
	6H	13.3	14.8	13.8	15.3	15.9	13.4	14.9	13.9	15.4	15.9	
	8H	13.6	14.6	14.1	15.1	15.7	13.6	14.6	14.1	15.1	15.7	
Variations with the observer position at spacing:												
S =		1.0H	1.1 / -0.7				1.1 / -0.7					
		1.5H	2.4 / -1.2				2.4 / -1.2					
		2.0H	3.7 / -1.6				3.7 / -1.6					