View Opti Beam Lens square

Design iGuzzini / Arup

iGuzzini

Last information update: May 2024

Product configuration: Q316
Q316: square small body spotlight - super spot

Product code
Q316: square small body spotlight - super spot **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 well-defined superspot 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

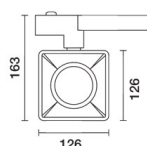| Colour	Weight (Kg)
White (01) | Black (04) | Black / White (47)	1.13

Mounting
dali track|three circuit track

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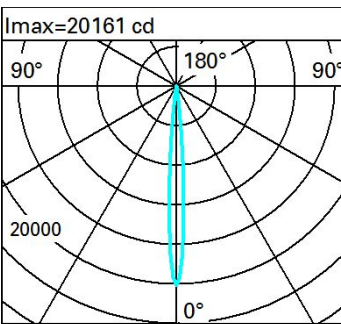Product complete with dimmable electronic components, housed in a semi-hidden box on the track.

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	550	CRI:	80
W system:	14.8	Colour temperature [K]:	4000
lm source:	1100	MacAdam Step:	2
W source:	10	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	37.2	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.) [%]:	50	Number of optical assemblies:	1
Beam angle [°]:	8°	Control:	Push Dim

Polar

Imax=20161 cd

α=8°

Lux			
h	d	Em	Emax
2	0.3	3922	5040
4	0.6	981	1260
6	0.8	436	560
8	1.1	245	315

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	44	42	40	39	42	40	40	38	76
1.0	46	44	43	41	44	42	42	40	81
1.5	49	47	46	45	47	46	45	43	87
2.0	51	49	48	47	49	48	47	46	92
2.5	52	51	50	49	50	49	49	47	95
3.0	52	52	51	50	51	50	50	48	97
4.0	53	52	52	52	52	51	51	49	98
5.0	53	53	53	52	52	52	51	50	100

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

									8 6 4
85°									
75°									
65°									2
55°									a h
45°	10²	2	3 4 5 6 8 10³		2	3	4 5 6 8 10⁴		cd/m²

C0-180 ——————   C90-270 ------------