View Opti Beam Lens rotondo

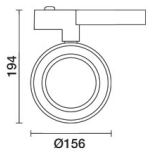
Design iGuzzini / Arup **iGuzzini**

Last information update: May 2018

round large body spotlight - wide flood

Product code
Q314

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 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

Dimension (mm)
Ø156x194

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

Weight (Kg)
1.66

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

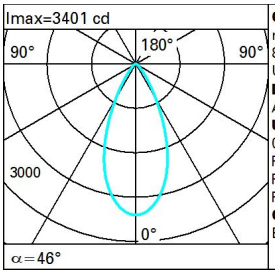
pending

Product configuration: Q314

Product characteristics
Total lighting output [Lm]: 2296
Total power [W]: 29
Luminous efficacy [Lm/W]: 79.2
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]: 2800
Lamp maximum intensity [cd]: /
Beam angle [°]: 46°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

Polar



CIE
nL 0.82
89-97-99-100-82
UGR 20.7-20.5
DIN
A.61
UTE
0.82A+0.00T
F"1=892
F"1+F"2=968
F"1+F"2+F"3=995
CIBSE
BZ1

Lux

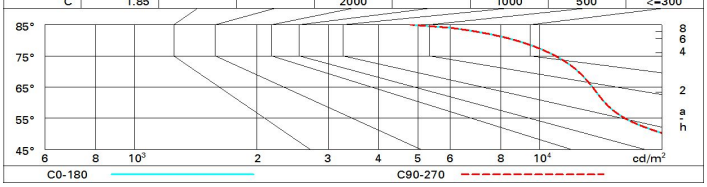
h	d	Em	Emax
2	1.7	648	850
4	3.4	162	213
6	5.1	72	94
8	6.8	41	53

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



UGR diagram

Corrected UGR values (at 2800 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	19.2	19.9	19.5	20.1	20.4	19.2	19.9	19.5	20.1	20.4
	3H	19.8	20.4	20.1	20.7	20.9	19.3	20.0	19.7	20.2	20.5
	4H	20.0	20.6	20.3	20.9	21.2	19.4	20.0	19.7	20.2	20.5
	6H	20.1	20.7	20.5	21.0	21.3	19.4	19.9	19.7	20.2	20.5
	8H	20.2	20.7	20.5	21.0	21.4	19.3	19.9	19.7	20.2	20.5
	12H	20.2	20.7	20.6	21.0	21.4	19.3	19.8	19.7	20.1	20.5
4H	2H	19.4	20.0	19.7	20.2	20.5	20.0	20.6	20.3	20.9	21.2
	3H	20.1	20.6	20.5	20.9	21.3	20.3	20.8	20.7	21.1	21.5
	4H	20.4	20.9	20.8	21.2	21.6	20.4	20.9	20.8	21.2	21.6
	6H	20.7	21.1	21.1	21.5	21.9	20.5	20.9	21.0	21.3	21.7
	8H	20.7	21.1	21.2	21.5	21.9	20.5	20.9	21.0	21.3	21.7
	12H	20.7	21.0	21.2	21.5	21.9	20.5	20.8	21.0	21.3	21.7
8H	4H	20.5	20.9	21.0	21.3	21.7	20.7	21.1	21.2	21.5	21.9
	6H	20.8	21.1	21.3	21.6	22.1	20.9	21.2	21.4	21.6	22.1
	8H	20.9	21.2	21.4	21.6	22.1	20.9	21.2	21.4	21.6	22.1
	12H	21.0	21.2	21.5	21.6	22.2	20.9	21.1	21.4	21.6	22.2
12H	4H	20.5	20.8	21.0	21.3	21.7	20.7	21.0	21.2	21.5	21.9
	6H	20.8	21.1	21.3	21.5	22.0	20.9	21.1	21.4	21.6	22.1
	8H	20.9	21.1	21.4	21.6	22.2	21.0	21.2	21.5	21.6	22.2

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