

## View Opti Beam Lens round

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Last information update: April 2024

### Product configuration: Q299

Q299: round large body spotlight - wide flood



### Product code

Q299: round large body spotlight - wide flood

### 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 electronic 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)

1.66

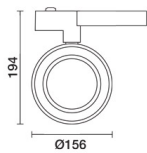
### Mounting

dali track|three circuit track

### Wiring

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

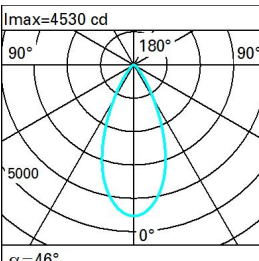
Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	3059	Colour temperature [K]:	4000
W system:	29.2	MacAdam Step:	2
Im source:	3730	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	24	Lamp code:	LED
Luminous efficiency (Im/W, real value):	104.7	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	82	Power factor:	See installation instructions
Beam angle [°]:	46°	Overvoltage protection:	2kV Common mode & 1kV Differential mode
CRI (minimum):	80	Control:	Push Dim

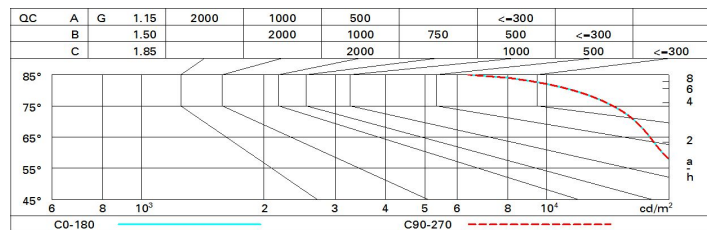
### Polar

<div><div>lmax=4530 cd</div><div><math>\alpha = 46^\circ</math></div></div>	CIE			
	nL 0.82			
	89-97-99-100-82			
	UGR 21.7-21.5			
	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	864	1133
4		3.4	216	283
6		5.1	96	126
8		6.8	54	71

# 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 3730 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	20.2	20.9	20.5	21.1	21.4	20.2	20.9	20.5	21.1	21.4
	3H	20.8	21.4	21.1	21.7	21.9	20.3	21.0	20.7	21.2	21.5
	4H	21.0	21.6	21.3	21.9	22.2	20.4	20.9	20.7	21.2	21.5
	6H	21.1	21.7	21.5	22.0	22.3	20.4	20.9	20.7	21.2	21.5
	8H	21.2	21.7	21.5	22.0	22.4	20.3	20.9	20.7	21.2	21.5
	12H	21.2	21.7	21.5	22.0	22.4	20.3	20.8	20.7	21.1	21.5
4H	2H	20.4	20.9	20.7	21.2	21.5	21.0	21.6	21.3	21.9	22.2
	3H	21.1	21.6	21.5	21.9	22.3	21.3	21.8	21.7	22.1	22.5
	4H	21.4	21.9	21.8	22.2	22.6	21.4	21.9	21.8	22.2	22.6
	6H	21.7	22.1	22.1	22.5	22.9	21.5	21.9	21.9	22.3	22.7
	8H	21.7	22.1	22.2	22.5	22.9	21.5	21.9	22.0	22.3	22.7
	12H	21.7	22.0	22.2	22.5	22.9	21.5	21.8	22.0	22.3	22.7
8H	4H	21.5	21.9	22.0	22.3	22.7	21.7	22.1	22.2	22.5	22.9
	6H	21.8	22.1	22.3	22.6	23.0	21.9	22.2	22.3	22.6	23.1
	8H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.1
	12H	21.9	22.2	22.4	22.6	23.2	21.9	22.1	22.4	22.6	23.2
12H	4H	21.5	21.8	22.0	22.3	22.7	21.7	22.0	22.2	22.5	22.9
	6H	21.8	22.1	22.3	22.5	23.0	21.9	22.1	22.4	22.6	23.1
	8H	21.9	22.1	22.4	22.6	23.2	21.9	22.2	22.4	22.6	23.2
Variations with the observer position at spacing:											
S =		1.0H					1.7 / -1.2				
		1.5H					3.5 / -1.6				
		2.0H					5.1 / -1.9				