

Last information update: May 2018



body Ø86 mm - Neutral White - dimmable DALI ballast - wide flood optic

Product code

Q673

Technical description

Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Optical assembly made up of Neutral White 4000K high colour rendering C.o.B LEDs, with OPTI BEAM REFLECTOR technology and a well-defined wide flood light beam. Dimmable DALI driver built-in to box with a semi-hidden system on track.

Installation

On a three-phase/DALI electrified track

Dimension (mm)

Ø86

Colour

White (01) | Black (04)

Weight (Kg)

0.9

Mounting

three circuit track pendant

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: Q673**Product characteristics**

Total lighting output [Lm]: 2287.5
Total power [W]: 24.3
Luminous efficacy [Lm/W]: 94.1
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.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 20
Nominal luminous [Lm]: 3050
Lamp maximum intensity [cd]: /
Beam angle [°]: 56°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.3
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

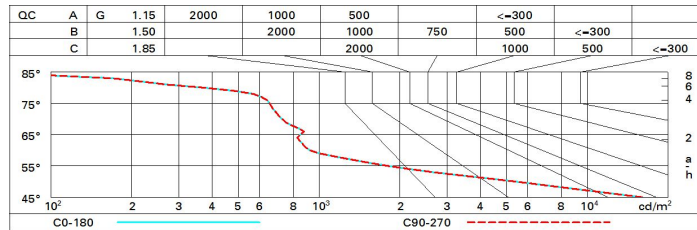
Polar

Imax=3056 cd	CIE nL 0.75 99-100-100-100-75 UGR 17.4-17.4 DIN A.61 UTE 0.75A+0.00T F*1=986 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1000 cd/m² at 65°	Lux			
		h	d	Em	Emax
90°	180°	2	2.1	607	764
3000	0°	4	4.3	152	191
α=56°		6	6.4	67	85
		8	8.5	38	48

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	64	61	59	63	61	60	58	77
1.0	70	67	65	63	66	64	64	62	82
1.5	74	72	70	68	71	69	68	66	88
2.0	76	75	73	72	73	72	71	69	92
2.5	78	76	75	74	75	74	74	72	95
3.0	79	78	77	76	77	76	75	73	97
4.0	80	79	78	78	78	77	76	74	99
5.0	80	80	79	79	78	78	77	75	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3050 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/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											
x	y										
2H	2H	18.0	18.5	18.2	18.8	19.0	18.0	18.5	18.2	18.8	19.0
	3H	17.8	18.3	18.1	18.6	18.9	17.8	18.3	18.1	18.6	18.9
	4H	17.7	18.2	18.1	18.5	18.8	17.7	18.2	18.1	18.5	18.8
	6H	17.7	18.1	18.0	18.4	18.8	17.7	18.1	18.0	18.4	18.8
	8H	17.6	18.1	18.0	18.4	18.7	17.6	18.1	18.0	18.4	18.7
12H	17.6	18.0	18.0	18.3	18.7	17.6	18.0	18.0	18.3	18.7	
4H	2H	17.7	18.2	18.1	18.5	18.8	17.7	18.2	18.1	18.5	18.8
	3H	17.6	18.0	18.0	18.4	18.7	17.6	18.0	18.0	18.4	18.7
	4H	17.5	17.9	17.9	18.2	18.6	17.5	17.9	17.9	18.2	18.6
	6H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.1	18.6
	8H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.5
12H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0	18.5	
8H	4H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.5
	6H	17.3	17.5	17.8	18.0	18.4	17.3	17.5	17.7	18.0	18.4
	8H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
	12H	17.2	17.4	17.7	17.8	18.4	17.2	17.4	17.7	17.8	18.4
12H	4H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0	18.5
	6H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
	8H	17.2	17.4	17.7	17.8	18.4	17.2	17.4	17.7	17.8	18.4
Variations with the observer position at spacing:											
S =	1.0H	5.7 / -18.4					5.7 / -18.4				
	1.5H	8.6 / -20.6					8.6 / -20.6				
	2.0H	10.6 / -20.8					10.6 / -20.8				