

Last information update: May 2018

**body Ø86 mm - Warm White - dimmable DALI ballast - wide flood optic****Product code**

Q677

**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 Warm White 3000K 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: Q677****Product characteristics**

Total lighting output [Lm]: 2362.5  
 Total power [W]: 31.3  
 Luminous efficacy [Lm/W]: 75.5  
 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]: 27  
 Nominal luminous [Lm]: 3150  
 Lamp maximum intensity [cd]: /  
 Beam angle [°]: 56°

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 4.3  
 Colour temperature [K]: 3000  
 CRI: 90  
 Wavelength [Nm]: /  
 MacAdam Step: 3

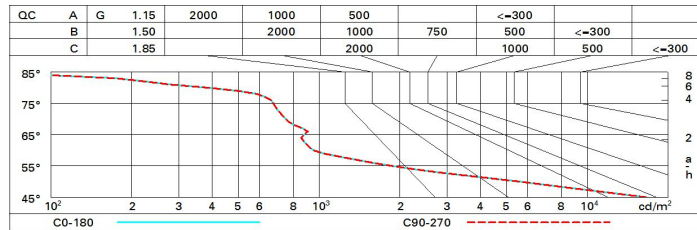
**Polar**

Imax=3156 cd		CIE nL 0.75 99-100-100-100-75 UGR 17.5-17.5 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			
90°	180°		h	d	Em	Emax
		2	2.1	627	789	
		4	4.3	157	197	
		6	6.4	70	88	
		8	8.5	39	49	

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 3150 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	18.1	18.7	18.3	18.9	19.1	18.1	18.7	18.3	18.9	19.1
	3H	17.9	18.5	18.2	18.7	19.0	17.9	18.5	18.2	18.7	19.0
	4H	17.9	18.4	18.2	18.6	18.9	17.9	18.4	18.2	18.6	18.9
	6H	17.8	18.2	18.1	18.5	18.9	17.8	18.2	18.1	18.5	18.9
	8H	17.7	18.2	18.1	18.5	18.8	17.7	18.2	18.1	18.5	18.8
	12H	17.7	18.1	18.1	18.5	18.8	17.7	18.1	18.1	18.5	18.8
4H	2H	17.9	18.4	18.2	18.6	18.9	17.9	18.4	18.2	18.6	18.9
	3H	17.7	18.1	18.1	18.5	18.8	17.7	18.1	18.1	18.5	18.8
	4H	17.6	18.0	18.0	18.4	18.7	17.6	18.0	18.0	18.4	18.7
	6H	17.5	17.9	18.0	18.2	18.7	17.5	17.9	18.0	18.2	18.7
	8H	17.5	17.8	17.9	18.2	18.6	17.5	17.8	17.9	18.2	18.6
	12H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
8H	4H	17.5	17.8	17.9	18.2	18.6	17.5	17.8	17.9	18.2	18.6
	6H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
	8H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
	12H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
12H	4H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
	6H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
	8H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
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				