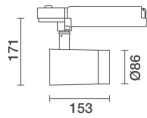


Last information update: May 2018

**body Ø86 mm - Warm White - dimmable electronic ballast - wide flood optic****Product code**
Q670**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 electronic 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 dimmable electronic components, housed in a semi-hidden box on the track.

Complies with EN60598-1 and pertinent regulations



IP20

**Product configuration: Q670****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

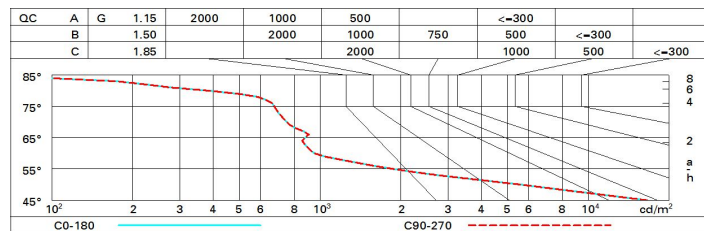
Polar

Imax=3156 cd		CIE		Lux			
90°	180°	nL 0.75	99-100-100-100-75	h	d	Em	Emax
		UGR 17.5-17.5	DIN	2	2.1	627	789
		A 61	UTE	4	4.3	157	197
		0.75A+0.00T	F*1=986	6	6.4	70	88
		F*1+F*2=999	F*1+F*2+F*3=1000	8	8.5	39	49
		CIBSE	LG3 L<1000 cd/m² at 65°				
α=56°							

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.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H 2H		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
3H		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
4H		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
6H		18.1	18.7	18.3	18.9	19.1	18.1	18.7	18.3	18.9	19.1
8H		17.9	18.5	18.2	18.7	19.0	17.9	18.5	18.2	18.7	19.0
12H		17.9	18.4	18.2	18.6	18.9	17.9	18.4	18.2	18.6	18.9
4H 2H		17.8	18.2	18.1	18.5	18.9	17.8	18.2	18.1	18.5	18.9
6H		17.7	18.2	18.1	18.5	18.8	17.7	18.2	18.1	18.5	18.8
8H		17.7	18.1	18.1	18.5	18.8	17.7	18.1	18.1	18.5	18.8
12H		17.9	18.4	18.2	18.6	18.9	17.9	18.4	18.2	18.6	18.9
4H 3H		17.7	18.1	18.1	18.5	18.8	17.7	18.1	18.1	18.5	18.8
6H		17.6	18.0	18.0	18.4	18.7	17.6	18.0	18.0	18.4	18.7
8H		17.5	17.9	18.0	18.2	18.7	17.5	17.9	18.0	18.2	18.7
12H		17.5	17.8	17.9	18.2	18.6	17.5	17.8	17.9	18.2	18.6
4H 4H		17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
6H		17.5	17.8	17.9	18.2	18.6	17.5	17.8	17.9	18.2	18.6
8H		17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
12H		17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5
4H 6H		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
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				