

Last information update: May 2018

**body Ø62 mm - neutral White - dimmable electronic ballast - medium optic****Product code**  
Q655**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 medium 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)**  
Ø62**Colour**  
White (01) | Black (04)**Weight (Kg)**  
0.55**Mounting**

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



IP20

**Product configuration: Q655****Product characteristics**

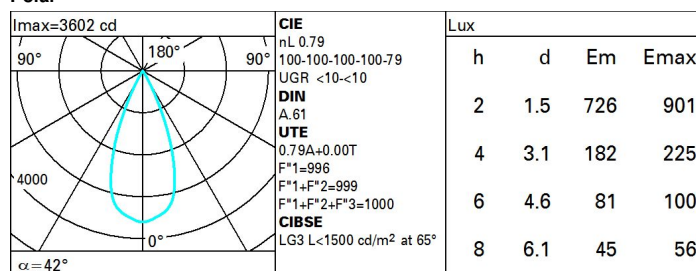
Total lighting output [Lm]: 1620  
Total power [W]: 18.3  
Luminous efficacy [Lm/W]: 88.5  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

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.) [%]: 79  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 15  
Nominal luminous [Lm]: 2050  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 42°

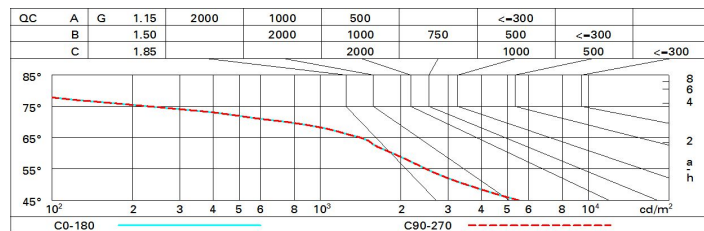
Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 3.3  
Colour temperature [K]: 4000  
CRI: 80  
Wavelength [Nm]: /  
MacAdam Step: 2

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	76	74	72	75	73	72	70	89
2.0	80	79	77	76	78	76	75	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	78	99
5.0	84	84	84	83	83	82	81	79	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x      y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	7.6	8.2	7.9	8.4	8.7	7.6	8.2	7.9	8.4	8.7
	3H	7.5	8.0	7.8	8.3	8.6	7.5	8.0	7.8	8.3	8.6
	4H	7.5	7.9	7.8	8.2	8.5	7.5	7.9	7.8	8.2	8.5
	6H	7.4	7.8	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.5
	8H	7.3	7.8	7.7	8.1	8.4	7.3	7.8	7.7	8.1	8.4
	12H	7.3	7.7	7.7	8.0	8.4	7.3	7.7	7.7	8.0	8.4
4H	2H	7.5	7.9	7.8	8.2	8.5	7.5	7.9	7.8	8.2	8.5
	3H	7.4	7.7	7.7	8.1	8.4	7.3	7.7	7.7	8.1	8.4
	4H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	6H	7.2	7.5	7.6	7.9	8.3	7.2	7.5	7.6	7.9	8.3
	8H	7.1	7.4	7.6	7.8	8.3	7.1	7.4	7.6	7.8	8.3
	12H	7.1	7.3	7.5	7.8	8.2	7.1	7.3	7.5	7.8	8.2
8H	4H	7.1	7.4	7.6	7.8	8.3	7.1	7.4	7.6	7.8	8.3
	6H	7.0	7.3	7.5	7.7	8.2	7.0	7.3	7.5	7.7	8.2
	8H	7.0	7.2	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1
	12H	6.9	7.1	7.4	7.6	8.1	6.9	7.1	7.4	7.6	8.1
12H	4H	7.1	7.3	7.5	7.8	8.2	7.1	7.3	7.5	7.8	8.2
	6H	7.0	7.2	7.5	7.6	8.1	7.0	7.2	7.5	7.6	8.1
	8H	6.9	7.1	7.4	7.6	8.1	6.9	7.1	7.4	7.6	8.1
Variations with the observer position at spacing:											
S =	1.0H	6.2 / -8.5					6.2 / -8.5				
	1.5H	8.9 / -10.4					8.9 / -10.4				
	2.0H	10.9 / -12.2					10.9 / -12.2				