Palco

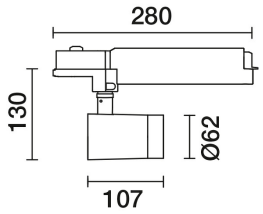
Design Artec3 Studio **iGuzzini**

Last information update: May 2018

body Ø62 mm - Neutral White - dimmable DALI ballast - spot optic

Product code
Q659

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 spot 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)
Ø62

Colour
White (01) | Black (04)

Weight (Kg)
0.55

Mounting
three circuit track

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: Q659

Product characteristics

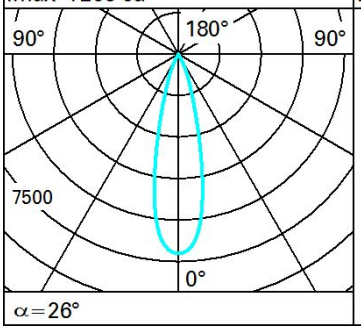
Total lighting output [Lm]: 1599
Total power [W]: 18.3
Luminous efficacy [Lm/W]: 87.4
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 78
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 15
Nominal luminous [Lm]: 2050
Lamp maximum intensity [cd]: /
Beam angle [°]: 26°
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

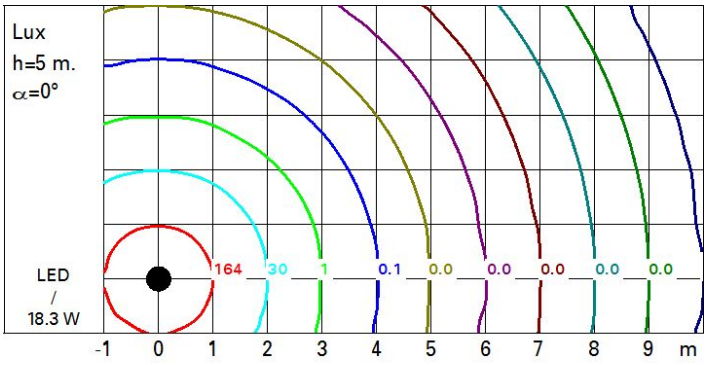
Imax=7205 cd



Lux

h	d	Em	Emax
2	0.9	1449	1801
4	1.8	362	450
6	2.8	161	200
8	3.7	91	113

Isolux



UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)

Riflect.: ceil/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				viewed crosswise					viewed endwise		
x	y										
2H	2H	-0.3	1.8	0.0	2.1	2.5	-0.3	1.8	0.0	2.1	2.5
	3H	-0.1	1.5	0.2	1.9	2.2	-0.3	1.3	0.0	1.7	2.0
	4H	-0.2	1.2	0.2	1.5	1.9	-0.3	1.1	0.1	1.4	1.7
	6H	-0.2	0.8	0.2	1.2	1.5	-0.3	0.7	0.0	1.0	1.4
	8H	-0.2	0.8	0.1	1.1	1.5	-0.4	0.6	0.0	1.0	1.4
	12H	-0.3	0.7	0.1	1.1	1.5	-0.4	0.6	-0.0	0.9	1.3
4H	2H	-0.3	1.1	0.1	1.4	1.7	-0.2	1.2	0.2	1.5	1.9
	3H	-0.0	1.0	0.4	1.3	1.7	-0.1	0.9	0.3	1.3	1.7
	4H	-0.1	0.9	0.3	1.3	1.7	-0.1	0.9	0.3	1.3	1.7
	6H	-0.5	1.2	0.0	1.7	2.2	-0.4	1.3	0.0	1.7	2.2
	8H	-0.6	1.3	-0.1	1.8	2.3	-0.6	1.4	-0.1	1.8	2.3
	12H	-0.7	1.3	-0.2	1.8	2.3	-0.7	1.3	-0.2	1.8	2.3
8H	4H	-0.6	1.4	-0.1	1.8	2.3	-0.6	1.3	-0.1	1.8	2.3
	6H	-0.7	1.1	-0.2	1.6	2.2	-0.7	1.1	-0.2	1.6	2.2
	8H	-0.7	0.9	-0.2	1.4	1.9	-0.7	0.9	-0.2	1.4	1.9
	12H	-0.6	0.5	-0.1	1.0	1.5	-0.6	0.5	-0.1	1.0	1.5
12H	4H	-0.7	1.3	-0.2	1.8	2.3	-0.7	1.3	-0.2	1.8	2.3
	6H	-0.7	0.9	-0.2	1.4	1.9	-0.7	0.9	-0.2	1.4	1.9
	8H	-0.6	0.5	-0.1	1.0	1.5	-0.6	0.5	-0.1	1.0	1.5

Variations with the observer position at spacing:

S =			
	1.0H	4.4 / -3.2	4.4 / -3.2
	1.5H	6.9 / -4.1	6.9 / -4.1
	2.0H	8.8 / -4.6	8.8 / -4.6