Palco

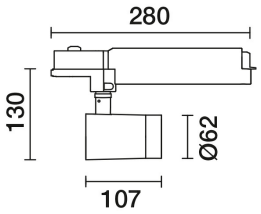
Design Artec3 Studio **iGuzzini**

Last information update: May 2018

body Ø62 mm - Warm White - dimmable electronic ballast - medium optic

Product code
Q658

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 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

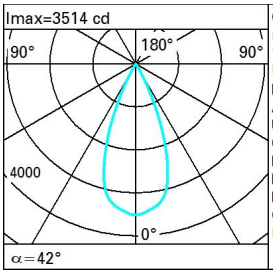
pending

Product configuration: Q658

Product characteristics
Total lighting output [Lm]: 1580
Total power [W]: 22.4
Luminous efficacy [Lm/W]: 70.5
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]: 18
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.4
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

Polar



CIE
nL 0.79
100-100-100-100-79
UGR <10-<10
DIN
A.61
UTE
0.79A+0.00T
F"1=996
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°

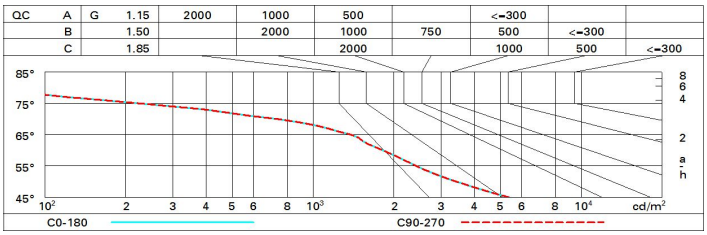
Lux

h	d	Em	Emax
2	1.5	709	879
4	3.1	177	220
6	4.6	79	98
8	6.1	44	55

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 2000 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 x	y			viewed crosswise					viewed endwise		
2H	2H	7.5	8.1	7.8	8.3	8.6	7.5	8.1	7.8	8.3	8.6
	3H	7.4	7.9	7.8	8.2	8.5	7.4	7.9	7.7	8.2	8.5
	4H	7.4	7.8	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.4
	6H	7.3	7.7	7.6	8.0	8.4	7.3	7.7	7.6	8.0	8.4
	8H	7.3	7.7	7.6	8.0	8.3	7.3	7.7	7.6	8.0	8.3
	12H	7.2	7.6	7.6	8.0	8.3	7.2	7.6	7.6	8.0	8.3
4H	2H	7.4	7.8	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.4
	3H	7.3	7.7	7.6	8.0	8.4	7.3	7.7	7.6	8.0	8.3
	4H	7.2	7.5	7.6	7.9	8.3	7.2	7.5	7.6	7.9	8.3
	6H	7.1	7.4	7.5	7.8	8.2	7.1	7.4	7.5	7.8	8.2
	8H	7.0	7.3	7.5	7.7	8.2	7.0	7.3	7.5	7.7	8.2
	12H	7.0	7.2	7.4	7.7	8.1	7.0	7.3	7.4	7.7	8.1
8H	4H	7.0	7.3	7.5	7.7	8.2	7.0	7.3	7.5	7.7	8.2
	6H	7.0	7.2	7.4	7.6	8.1	7.0	7.2	7.4	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
	12H	6.8	7.0	7.3	7.5	8.0	6.8	7.0	7.3	7.5	8.0
12H	4H	7.0	7.3	7.4	7.7	8.1	7.0	7.2	7.4	7.7	8.1
	6H	6.9	7.1	7.4	7.6	8.1	6.9	7.1	7.4	7.6	8.1
	8H	6.8	7.0	7.3	7.5	8.0	6.8	7.0	7.3	7.5	8.0

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