Palco Incasso/Superficie

Design Artec3 Studio **iGuzzini**

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Palco single surface Ø37 - flood - integrated driver

Product code
QC57

Technical description
Miniaturised adjustable spotlight for surface installation. Spotlight bodies with a die-cast aluminium dissipation system - cast zamak rotation unit - shaped steel fixing plate - extruded aluminium surface cover module with mechanical coupling system - thermoplastic side end caps. The swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. The set back position of the optic unit guarantees a high level of visual comfort with a thermoplastic high definition lens. Ballast located inside cover module.

Installation
Installation surface plate fastening - structure attached using a mechanical locking mechanism - insertion of side end caps.

Dimension (mm)
Ø37

Colour
White (01) | Black (04)

Weight (Kg)
0.52

Mounting
wall surface|ceiling surface

Wiring
Quick-coupling connection on integrated driver terminals.

Notes
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: QC57

Product characteristics

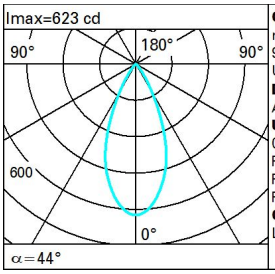
Total lighting output [Lm]: 345	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 10.3	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 33.4	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.1
Nominal power [W]: 7.2	Colour temperature [K]: 2700
Nominal luminous [Lm]: 530	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 44°	MacAdam Step: 3

Polar

Imax=623 cd



CIE
nL 0.65
97-100-100-100-65
UGR 18.4-18.4
DIN
A.61
UTE
0.65A+0.00T
F"1=973
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<500 cd/m² at 65°

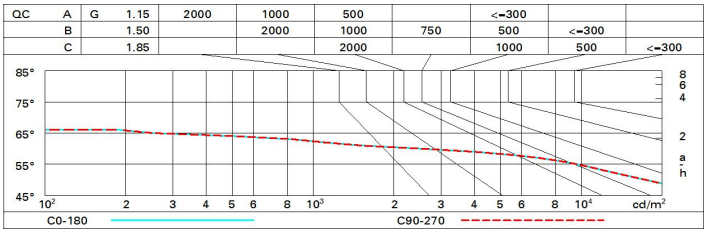
Lux

h	d	Em	Emax
1	0.8	475	623
2	1.6	119	156
3	2.4	53	69
4	3.2	30	39

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	51	54	52	52	50	76
1.0	61	58	56	54	57	55	55	53	81
1.5	64	62	60	59	61	59	59	57	88
2.0	66	64	63	62	63	62	62	60	92
2.5	67	66	65	64	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	97
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	68	68	68	67	66	65	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 530 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	19.0	19.7	19.3	19.9	20.1	19.0	19.7	19.3	19.9	20.1
	3H	18.9	19.4	19.2	19.7	20.0	18.9	19.5	19.2	19.7	20.0
	4H	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.9
	6H	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	8H	18.7	19.2	19.0	19.5	19.8	18.7	19.2	19.1	19.5	19.8
	12H	18.6	19.1	19.0	19.4	19.8	18.7	19.1	19.0	19.4	19.8
4H	2H	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.9
	3H	18.7	19.1	19.0	19.4	19.8	18.7	19.1	19.0	19.4	19.8
	4H	18.6	19.0	19.0	19.3	19.7	18.6	19.0	19.0	19.3	19.7
	6H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
	8H	18.4	18.7	18.9	19.2	19.6	18.4	18.7	18.9	19.2	19.6
	12H	18.4	18.7	18.8	19.1	19.6	18.4	18.7	18.8	19.1	19.6
8H	4H	18.4	18.7	18.9	19.2	19.6	18.4	18.7	18.9	19.2	19.6
	6H	18.3	18.6	18.8	19.0	19.5	18.3	18.6	18.8	19.0	19.5
	8H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
	12H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
12H	4H	18.4	18.7	18.8	19.1	19.6	18.4	18.7	18.8	19.1	19.6
	6H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
	8H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4

Variations with the observer position at spacing:

S =	1.0H	5.2 / -10.8	5.2 / -10.8
	1.5H	7.9 / -25.4	7.9 / -25.4
	2.0H	9.5 / -35.8	9.5 / -35.8