

Palco Recessed / Surface

Last information update: May 2024

Product configuration: QC56
QC56: Palco single surface Ø37 - flood - integrated driver



Product code
QC56: Palco single surface Ø37 - flood - integrated driver **Attention! Code no longer in production**

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.

Colour	Weight (Kg)
White (01) Black (04)	0.52

Mounting
wall surface|ceiling surface

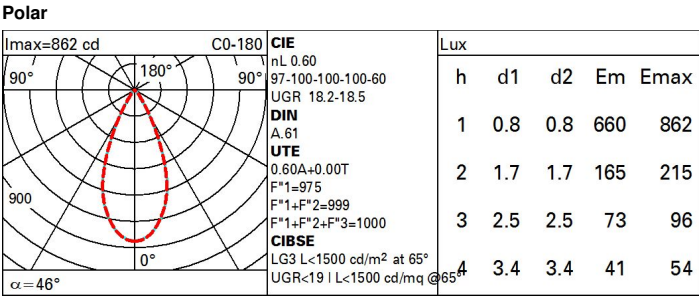
Wiring
Quick-coupling connection on integrated driver terminals.

Notes
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



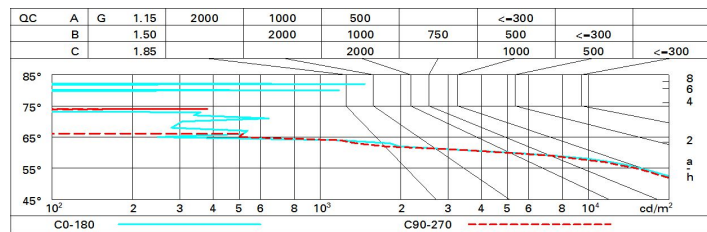
Technical data			
Im system:	474	CRI (minimum):	90
W system:	11.2	Colour temperature [K]:	3000
Im source:	790	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	42.3	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	60	Number of optical assemblies:	1
Beam angle [°]:	46° / 45°		



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	51	49	47	50	48	48	46	77
1.0	56	53	51	50	53	51	51	49	81
1.5	59	57	55	54	56	55	54	53	88
2.0	61	59	58	57	59	58	57	55	92
2.5	62	61	60	59	60	59	59	57	95
3.0	63	62	61	61	61	61	60	58	97
4.0	64	63	63	62	62	62	61	59	99
5.0	64	64	63	63	63	62	61	60	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 790 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	18.8	19.4	19.1	19.7	19.9	19.1	19.8	19.4	20.0	20.2
	3H	18.7	19.2	19.0	19.5	19.8	19.0	19.6	19.3	19.8	20.1
	4H	18.6	19.1	18.9	19.4	19.7	18.9	19.5	19.3	19.7	20.0
	6H	18.5	19.0	18.9	19.3	19.6	18.8	19.3	19.2	19.6	20.0
	8H	18.5	18.9	18.8	19.3	19.6	18.8	19.3	19.2	19.6	19.9
	12H	18.4	18.9	18.8	19.2	19.6	18.8	19.2	19.1	19.6	19.9
4H	2H	18.6	19.1	18.9	19.4	19.7	18.9	19.4	19.2	19.7	20.0
	3H	18.4	18.9	18.8	19.2	19.6	18.8	19.2	19.1	19.6	19.9
	4H	18.4	18.7	18.8	19.1	19.5	18.7	19.1	19.1	19.4	19.8
	6H	18.3	18.6	18.7	19.0	19.4	18.6	18.9	19.0	19.3	19.8
	8H	18.2	18.5	18.7	18.9	19.4	18.5	18.9	19.0	19.3	19.7
	12H	18.2	18.5	18.6	18.9	19.3	18.5	18.8	19.0	19.2	19.7
8H	4H	18.2	18.5	18.7	18.9	19.4	18.5	18.9	19.0	19.3	19.7
	6H	18.1	18.4	18.6	18.8	19.3	18.5	18.7	18.9	19.2	19.6
	8H	18.1	18.3	18.6	18.8	19.3	18.4	18.6	18.9	19.1	19.6
	12H	18.0	18.2	18.5	18.7	19.2	18.4	18.5	18.9	19.0	19.5
12H	4H	18.2	18.5	18.6	18.9	19.3	18.5	18.8	19.0	19.2	19.7
	6H	18.1	18.3	18.6	18.8	19.3	18.4	18.6	18.9	19.1	19.6
	8H	18.0	18.2	18.5	18.7	19.2	18.4	18.5	18.9	19.0	19.5
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -8.4					5.5 / -9.2				
	1.5H	8.0 / -21.9					8.3 / -22.1				
	2.0H	10.0 / -38.6					10.3 / -38.3				