

Palco Recessed / Surface

Design Artec
Studio

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Product configuration: QC44

QC44: Palco linear surface 2 x Ø37 - flood - remote driver

Product code

QC44: Palco linear surface 2 x Ø37 - flood - remote driver **Attention! Code no longer in production**

Technical description

Linear luminaire for surface installation with 2 miniaturised adjustable spotlights. Spotlight bodies with a die-cast aluminium dissipation system - cast zamak rotation units - shaped steel fixing plate - extruded aluminium linear surface structure with mechanical coupling system - thermoplastic side end caps. The spotlight swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. The set back position of the optic units guarantees a high level of visual comfort with thermoplastic high definition lenses. Ballast not included, available with separate code.

Installation

Installation surface plate fastening - structure attached using a mechanical locking mechanism - insertion of side end caps. This specific locking system can be installed next to linear versions so as to create a continuous external line.

Colour

White (01) | Black (04)

Weight (Kg)

0.31

Mounting

wall surface/ceiling surface

Wiring

Output cables for connecting to power supply line.

Notes

Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	936	CRI (minimum):	90
W system:	16.2	Colour temperature [K]:	3000
Im source:	780	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	57.8	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:	2
Beam angle [°]:	45°	LED current [mA]:	650

Polar

Imax=851 cd		CIE		Lux			
90°	180°	90°	0°	h	d	Em	E _{max}
900		0°		1	0.8	665	851
				2	1.7	166	213
				3	2.5	74	95
				4	3.3	42	53

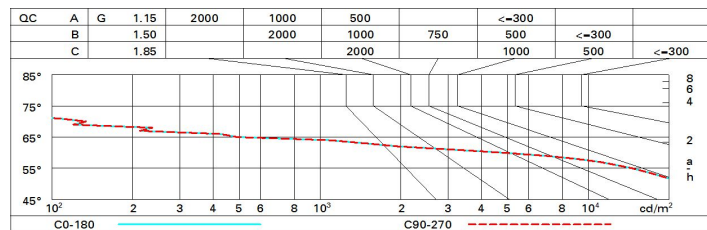
α = 45°

CIE
nL 0.60
97-100-100-100-60
UGR 18.2-18.2
DIN
A.61
UTE
0.60A+0.00T
F*1=975
F*1+F*2=999
F*1+F*2+F*3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 | L<1500 cd/mq @ 65°

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 780 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	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9
	3H	18.6	19.2	18.9	19.5	19.8	18.7	19.2	19.0	19.5	19.8
	4H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	6H	18.5	19.0	18.8	19.3	19.6	18.5	19.0	18.8	19.3	19.6
	8H	18.4	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.3	19.6
	12H	18.4	18.9	18.8	19.2	19.5	18.4	18.9	18.8	19.2	19.6
4H	2H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	3H	18.4	18.9	18.8	19.2	19.6	18.4	18.9	18.8	19.2	19.6
	4H	18.3	18.7	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5
	6H	18.2	18.6	18.7	19.0	19.4	18.2	18.6	18.7	19.0	19.4
	8H	18.2	18.5	18.6	18.9	19.4	18.2	18.5	18.6	18.9	19.4
	12H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
8H	4H	18.2	18.5	18.6	18.9	19.4	18.2	18.5	18.6	18.9	19.4
	6H	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	8H	18.1	18.3	18.5	18.7	19.2	18.1	18.3	18.5	18.7	19.2
	12H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
12H	4H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
	6H	18.1	18.3	18.5	18.7	19.2	18.1	18.3	18.5	18.7	19.2
	8H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
Variations with the observer position at spacing:											
S =	1.0H	5.2 / -8.8					5.2 / -8.8				
	1.5H	8.0 / -22.1					8.0 / -22.1				
	2.0H	10.0 / -34.7					10.0 / -34.7				