

Last information update: June 2018



Palco linear surface 3 x Ø37 - flood - remote driver

Product code

QC46

Technical description

Linear luminaire for surface installation with 3 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.

Dimension (mm)

Ø37

Colour

White (01) | Black (04)

Weight (Kg)

0.06

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



IP20



Product configuration: QC46

Product characteristics

Total lighting output [Lm]: 1092
Total power [W]: 21.6
Luminous efficacy [Lm/W]: 50.6
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: 3

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 7.2
Nominal luminous [Lm]: 560
Lamp maximum intensity [cd]: /
Beam angle [°]: 44°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

	Imax=658 cd CIE nL 0.65 97-100-100-100-65 UGR 18.6-18.6 DIN A.61 UTE 0.65A+0.00T $F^*1=97.3$ $F^*1+F^*2=1000$ $F^*1+F^*2+F^*3=1000$ CIBSE LG3 Lc500 cd/m ² at 65°		Lux			
	h	d	Em	Emax		
	1	0.8	501	658		
	2	1.6	125	165		
	3	2.4	56	73		
4	3.2	31	41			

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

QC	A	G	1.15	2000	1000	500	<300	<300	<300
	B		1.50		2000	1000	750	500	<300
	C		1.85			2000		1000	500

The graph illustrates the relationship between surface roughness (R_a) and surface area (A) for different surface conditions. The y-axis represents R_a in μm on a logarithmic scale from 45 to 85. The x-axis represents surface area A in cm^2 on a logarithmic scale from 10^2 to 10^4 . A red dashed line shows the trend for C0-180, and a blue dashed line shows the trend for C90-270. The graph is divided into two regions: C0-180 (left) and C90-270 (right).

UGR diagram

Corrected UGR values (at 500 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	19.2	19.8	19.5	20.1	20.3	19.2	19.8	19.5	20.1	20.3
	3H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	4H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	6H	18.9	19.4	19.3	19.7	20.0	18.9	19.4	19.3	19.7	20.1
	8H	18.9	19.3	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
	12H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
4H	2H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	3H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	4H	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	6H	18.7	19.0	19.1	19.4	19.8	18.7	19.0	19.1	19.4	19.8
	8H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
	12H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
8H	4H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
	6H	18.5	18.8	19.0	19.2	19.7	18.5	18.8	19.0	19.2	19.7
	8H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	12H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
12H	4H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
	6H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	8H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
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				