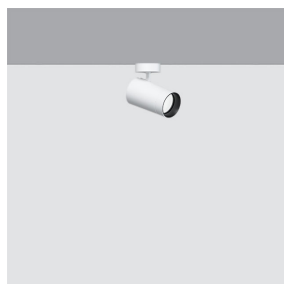


Last information update: June 2018



Palco single surface Ø51 - flood - remote driver

Product code
QC49

Technical description

Miniaturised adjustable spotlight for surface installation. Spotlight body with a die-cast aluminium dissipation system - cast zamak rotation unit - shaped steel fixing plate - thermoplastic surface cover base with stainless steel locking mechanism. 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 not included, available with separate code.

Installation

Installation surface plate fastening - spotlight unit attached to cover base with a locking mechanism.

Dimension (mm)

Ø51

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: QC49

Product characteristics

Total lighting output [Lm]: 551
Total power [W]: 12
Luminous efficacy [Lm/W]: 45.9
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.) [%]: 68
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 12
Nominal luminous [Lm]: 810
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°

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

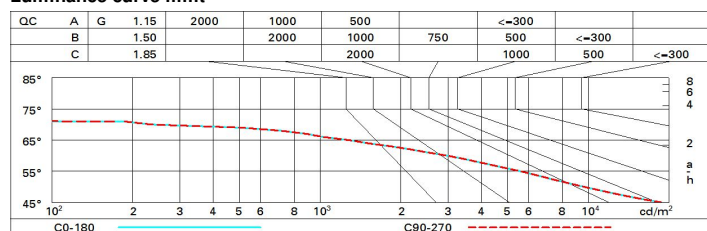
Polar

Imax=1085 cd		CIE		Lux			
90°	180°	nL 0.68	97-100-100-100-68	h	d	Em	Emax
		UGR 16.4-16.4	DIN A.61	1	0.8	814	1085
		UTE 0.68A+0.00T	F*1=972	2	1.5	203	271
		F*1+F*2=999	F*1+F*2+F*3=1000	3	2.3	90	121
		CIBSE LG3 L<1500 cd/m² at 65°		4	3.1	51	68
α=42°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	55	53	57	55	54	52	76
1.0	63	60	58	57	60	58	57	55	81
1.5	67	65	63	61	64	62	62	59	87
2.0	69	67	66	65	66	65	64	63	92
2.5	70	69	68	67	68	67	66	65	95
3.0	71	70	70	69	69	69	68	66	97
4.0	72	71	71	70	70	70	69	67	99
5.0	72	72	72	71	71	71	69	68	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 810 lm bare lamp luminous flux)											
Reflect.:											
ceiling/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					viewed				
x	y	crosswise					endwise				
2H	2H	17.0	17.7	17.3	17.9	18.1	17.0	17.7	17.3	17.9	18.1
	3H	16.9	17.5	17.2	17.7	18.0	16.9	17.5	17.2	17.7	18.0
	4H	16.8	17.3	17.1	17.6	17.9	16.8	17.4	17.2	17.6	17.9
	6H	16.7	17.2	17.1	17.5	17.9	16.7	17.2	17.1	17.5	17.9
	8H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
	12H	16.7	17.1	17.0	17.4	17.8	16.7	17.1	17.0	17.5	17.8
4H	2H	16.8	17.4	17.2	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	3H	16.7	17.1	17.0	17.5	17.8	16.7	17.1	17.0	17.5	17.8
	4H	16.6	17.0	17.0	17.3	17.7	16.6	17.0	17.0	17.3	17.7
	6H	16.5	16.8	16.9	17.2	17.7	16.5	16.8	16.9	17.2	17.7
	8H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
8H	4H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6
	6H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9	17.4
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9	17.4
Variations with the observer position at spacing:											
S =	1.0H	4.9 / -10.3					4.9 / -10.3				
	1.5H	7.7 / -15.5					7.7 / -15.5				
	2.0H	9.7 / -21.8					9.7 / -21.8				