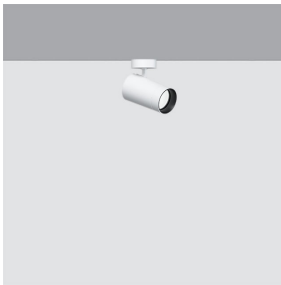


Last information update: June 2018



Palco single surface Ø51 - flood - remote driver

Product code
QC51

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.

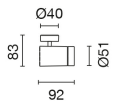
Notes

Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



IP20



Product configuration: QC51

Product characteristics

Total lighting output [Lm]: 517
Total power [W]: 12
Luminous efficacy [Lm/W]: 43.1
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]: 760
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: 2700
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

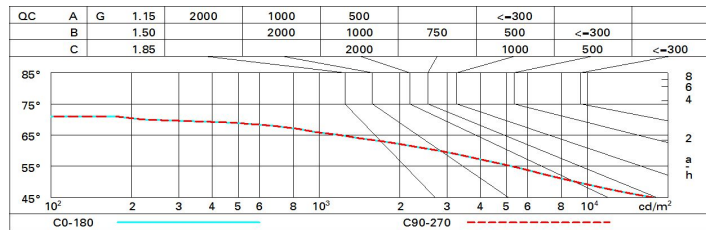
Polar

Imax=1018 cd	CIE nL 0.68 97-100-100-100-68 UGR 16.2-16.2 DIN A.61 UTE 0.68A+0.00T F*1=972 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65°	Lux			
		h	d	Em	Emax
		1	0.8	763	1018
		2	1.5	191	255
		3	2.3	85	113
		4	3.1	48	64

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 700 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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 crosswise					viewed endwise				
x	y										
2H	2H	16.8	17.4	17.1	17.7	17.9	16.8	17.4	17.1	17.7	17.9
	3H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	4H	16.6	17.1	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
	6H	16.5	17.0	16.9	17.3	17.6	16.5	17.0	16.9	17.3	17.7
	8H	16.5	16.9	16.8	17.3	17.6	16.5	17.0	16.8	17.3	17.6
12H	16.4	16.9	16.8	17.2	17.6	16.4	16.9	16.8	17.2	17.6	
4H	2H	16.6	17.1	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
	3H	16.4	16.9	16.8	17.2	17.6	16.4	16.9	16.8	17.2	17.6
	4H	16.4	16.8	16.8	17.1	17.5	16.4	16.8	16.8	17.1	17.5
	6H	16.3	16.6	16.7	17.0	17.4	16.3	16.6	16.7	17.0	17.4
	8H	16.2	16.5	16.7	17.0	17.4	16.2	16.5	16.7	17.0	17.4
12H	16.2	16.5	16.6	16.9	17.4	16.2	16.5	16.6	16.9	17.4	
8H	4H	16.2	16.5	16.7	17.0	17.4	16.2	16.5	16.7	17.0	17.4
	6H	16.1	16.4	16.6	16.8	17.3	16.1	16.4	16.6	16.8	17.3
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	12H	16.0	16.2	16.5	16.7	17.2	16.0	16.2	16.5	16.7	17.2
12H	4H	16.2	16.5	16.6	16.9	17.4	16.2	16.5	16.6	16.9	17.4
	6H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
	8H	16.0	16.2	16.5	16.7	17.2	16.0	16.2	16.5	16.7	17.2
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				