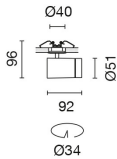
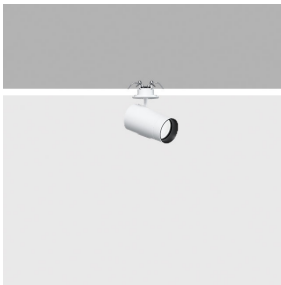


Last information update: June 2018



Palco single recess Ø51 - flood - remote driver

Product code
QC27

Technical description

Miniaturised adjustable spotlight for recessed installation. Spotlight body with a die-cast aluminium dissipation system - cast zamak rotation unit - machined aluminium recess base - steel wire fixing springs. 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

Recessed base with surface stop plate - steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole Ø36 mm.

Dimension (mm)

Ø51

Colour

White (01) | Black (04)

Weight (Kg)

0.06

Mounting

wall recessed|ceiling recessed

Wiring

Output cables for connecting to power supply line.

Notes

Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



Product configuration: QC27

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

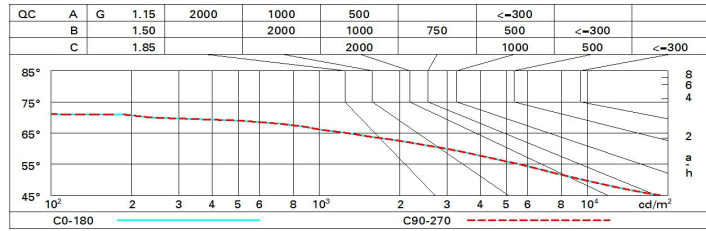
Polar

	Imax=1085 cd	CIE nL 0.68 97-100-100-100-68 UGR 16.4-16.4 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/m ² at 65°	Lux			
	90°		h	d	Em	Emax
	180°		1	0.8	814	1085
	1000		2	1.5	203	271
	0°		3	2.3	90	121
α=42°	4	3.1	51	68		

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
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim										
x	y									
				viewed					viewed	
				crosswise					endwise	
2H	2H	17.0	17.7	17.3	17.9	18.1	17.0	17.7	17.3	17.9
	3H	16.9	17.5	17.2	17.7	18.0	16.9	17.5	17.2	17.7
	4H	16.8	17.3	17.1	17.6	17.9	16.8	17.4	17.2	17.6
	6H	16.7	17.2	17.1	17.5	17.9	16.7	17.2	17.1	17.5
	8H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5
	12H	16.7	17.1	17.0	17.4	17.8	16.7	17.1	17.0	17.5
4H	2H	16.8	17.4	17.2	17.6	17.9	16.8	17.3	17.1	17.6
	3H	16.7	17.1	17.0	17.5	17.8	16.7	17.1	17.0	17.5
	4H	16.6	17.0	17.0	17.3	17.7	16.6	17.0	17.0	17.3
	6H	16.5	16.8	16.9	17.2	17.7	16.5	16.8	16.9	17.2
	8H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1
8H	4H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2
	6H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0
	12H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0
	8H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9
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