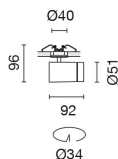
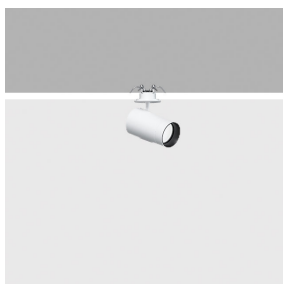


Last information update: June 2018



Palco single recess Ø51 - flood - remote driver

Product code
QC29

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: QC29

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

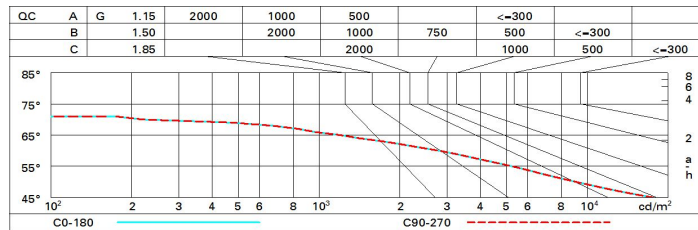
Polar

| | | | | | | | | |
|--|--|---|---|-----|------------|------|--|--|
| | Imax=1018 cd 90° 180° 90° 1000 0° α=42° | | 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/m ² 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 | | | | |