

Palco Recessed / Surface

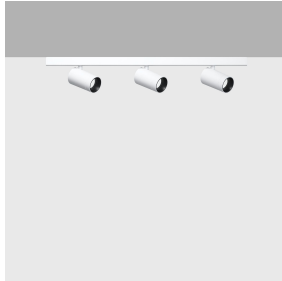
Design Artec
Studio

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Last information update: May 2025

Product configuration: QX29

QX29: Palco linear surface 3 x Ø37 - flood - remote driver



Product code

QX29: Palco linear surface 3 x Ø37 - flood - remote driver **Attention! Code no longer in production**

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.

Colour

White (01) | Black (04)

Weight (Kg)

0.46

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



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 1512 | CRI (minimum): | 90 |
| W system: | 24.3 | Colour temperature [K]: | 4000 |
| Im source: | 840 | MacAdam Step: | 2 |
| W source: | 8.1 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value): | 62.2 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 60 | Number of optical assemblies: | 3 |
| Beam angle [°]: | 45° | LED current [mA]: | 650 |

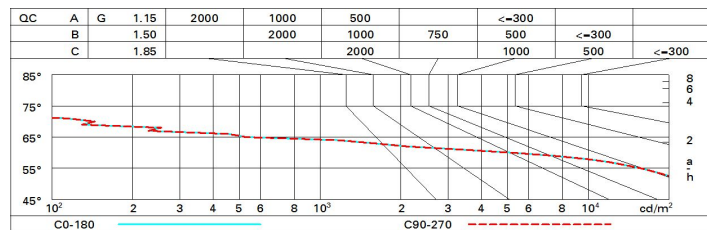
Polar

| | | | | | | | | |
|-------|-------------|------|---|------------|---|---|----|------|
| | Imax=917 cd | | CIE nL 0.60 97-100-100-100-60 UGR 18.5-18.5 DIN A.61 UTE 0.60A+0.00T F*1=975 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65° | Lux | h | d | Em | Emax |
| | 90° | 180° | | | | | | |
| | 90° | | | | | | | |
| | 90° | | | | | | | |
| | 0° | | | | | | | |
| α=45° | | | | | | | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 54 | 51 | 49 | 47 | 50 | 48 | 48 | 46 | 77 |
| 1.0 | 56 | 53 | 51 | 50 | 53 | 51 | 51 | 49 | 81 |
| 1.5 | 59 | 57 | 55 | 54 | 56 | 55 | 54 | 53 | 88 |
| 2.0 | 61 | 59 | 58 | 57 | 59 | 58 | 57 | 55 | 92 |
| 2.5 | 62 | 61 | 60 | 59 | 60 | 59 | 59 | 57 | 95 |
| 3.0 | 63 | 62 | 61 | 61 | 61 | 61 | 60 | 58 | 97 |
| 4.0 | 64 | 63 | 63 | 62 | 62 | 62 | 61 | 59 | 99 |
| 5.0 | 64 | 64 | 63 | 63 | 63 | 62 | 61 | 60 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 840 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 19.0 | 19.7 | 19.3 | 19.9 | 20.1 | 19.0 | 19.7 | 19.3 | 19.9 | 20.1 |
| | 3H | 18.9 | 19.5 | 19.2 | 19.7 | 20.0 | 18.9 | 19.5 | 19.2 | 19.7 | 20.0 |
| | 4H | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 |
| | 6H | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | 18.8 | 19.2 | 19.1 | 19.6 | 19.9 |
| | 8H | 18.7 | 19.2 | 19.1 | 19.5 | 19.8 | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 |
| | 12H | 18.7 | 19.1 | 19.0 | 19.5 | 19.8 | 18.7 | 19.1 | 19.1 | 19.5 | 19.8 |
| 4H | 2H | 18.8 | 19.4 | 19.2 | 19.7 | 20.0 | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 |
| | 3H | 18.7 | 19.1 | 19.1 | 19.5 | 19.8 | 18.7 | 19.1 | 19.1 | 19.5 | 19.8 |
| | 4H | 18.6 | 19.0 | 19.0 | 19.4 | 19.7 | 18.6 | 19.0 | 19.0 | 19.4 | 19.7 |
| | 6H | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 |
| | 8H | 18.5 | 18.8 | 18.9 | 19.2 | 19.6 | 18.5 | 18.8 | 18.9 | 19.2 | 19.6 |
| | 12H | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 |
| 8H | 4H | 18.5 | 18.8 | 18.9 | 19.2 | 19.6 | 18.5 | 18.8 | 18.9 | 19.2 | 19.6 |
| | 6H | 18.4 | 18.6 | 18.8 | 19.1 | 19.5 | 18.4 | 18.6 | 18.8 | 19.1 | 19.5 |
| | 8H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 |
| | 12H | 18.3 | 18.5 | 18.8 | 18.9 | 19.5 | 18.3 | 18.5 | 18.8 | 18.9 | 19.5 |
| 12H | 4H | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 |
| | 6H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 |
| | 8H | 18.3 | 18.5 | 18.8 | 18.9 | 19.5 | 18.3 | 18.5 | 18.8 | 18.9 | 19.5 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 5.2 / -8.8 | | | | | 5.2 / -8.8 | | | | |
| | 1.5H | 8.0 / -22.1 | | | | | 8.0 / -22.1 | | | | |
| | 2.0H | 10.0 / -34.7 | | | | | 10.0 / -34.7 | | | | |