# Palco

**Design Artec Studio** **iGuzzini**

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**Product configuration: MK01**
MK01: Medium body spotlight - warm white - electronic ballast and dimmer - wide flood optic

**Product code**
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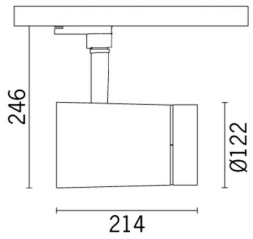
**Technical description**
Adjustable spotlight with adapter for installation on electrified track for high output LED lamp with monochrome emission in a warm White (3000K) tone. Wide flood optic (50-55°). Dimmable electronic ballast integrated in the product. Luminaire made of die-cast aluminium and thermoplastic material, allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks for both movements, operated using the same tool on two screws, one at the side of the rod and one on the adapter for the track. Passive heat dissipation. Spotlight designed to contain up to two flat accessories simultaneously. Another external component can also be applied, selected from directional flaps and an anti-glare screen. All external accessories rotate 360° about the spotlight longitudinal axis.

**Installation**
On an electrified track




**Colour**
White (01) | Black (04)

**Weight (Kg)**
2.12

**Mounting**
three circuit track

**Wiring**
Electronic components housed in the luminaire

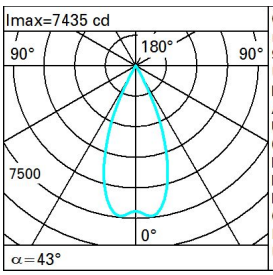
Complies with EN60598-1 and pertinent regulations

IP20

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 3394 | CRI (minimum): | 90 |
| W system: | 40.2 | Colour temperature [K]: | 3000 |
| lm source: | 4300 | MacAdam Step: | 2 |
| W source: | 36 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 84.4 | Lamp code: | LED |
| lm 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.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 42° | Control: | Completo di dimmer |

**Polar**




**CIE**
nL 0.79
99-100-100-100-79
UGR <10-<10
**DIN**
A.61
**UTE**
0.79A+0.00T
F"1=994
F"1+F"2=999
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

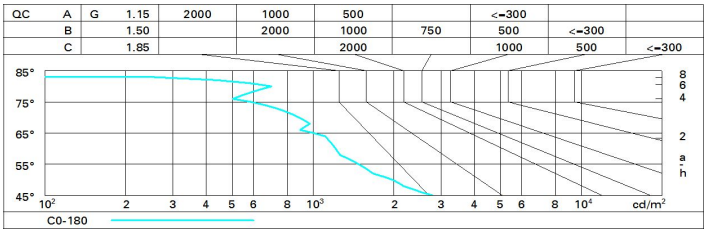
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.6 | 1509 | 1828 |
| 4 | 3.1 | 377 | 457 |
| 6 | 4.7 | 168 | 203 |
| 8 | 6.3 | 94 | 114 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 71 | 67 | 65 | 63 | 67 | 65 | 64 | 62 | 78 |
| 1.0 | 74 | 71 | 69 | 67 | 70 | 68 | 68 | 65 | 83 |
| 1.5 | 78 | 75 | 74 | 72 | 75 | 73 | 72 | 70 | 88 |
| 2.0 | 80 | 79 | 77 | 76 | 78 | 76 | 75 | 73 | 93 |
| 2.5 | 82 | 81 | 79 | 79 | 79 | 78 | 78 | 75 | 96 |
| 3.0 | 83 | 82 | 81 | 80 | 81 | 80 | 79 | 77 | 98 |
| 4.0 | 84 | 83 | 83 | 82 | 82 | 81 | 80 | 78 | 99 |
| 5.0 | 84 | 84 | 83 | 83 | 83 | 82 | 81 | 79 | 100 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 4300 lm bare lamp luminous flux)

| Riflect.: ceil/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 | 5.4 | 6.0 | 5.7 | 6.2 | 6.5 | 5.4 | 6.0 | 5.7 | 6.2 | 6.5 |
| | 3H | 5.4 | 5.9 | 5.7 | 6.2 | 6.5 | 5.3 | 5.9 | 5.7 | 6.1 | 6.4 |
| | 4H | 5.4 | 5.9 | 5.7 | 6.1 | 6.4 | 5.3 | 5.8 | 5.6 | 6.1 | 6.4 |
| | 6H | 5.3 | 5.8 | 5.7 | 6.1 | 6.4 | 5.2 | 5.7 | 5.6 | 6.0 | 6.3 |
| | 8H | 5.3 | 5.7 | 5.7 | 6.1 | 6.4 | 5.2 | 5.6 | 5.6 | 5.9 | 6.3 |
| | 12H | 5.3 | 5.7 | 5.7 | 6.0 | 6.4 | 5.2 | 5.6 | 5.5 | 5.9 | 6.2 |
| 4H | 2H | 5.3 | 5.8 | 5.6 | 6.1 | 6.4 | 5.4 | 5.9 | 5.7 | 6.1 | 6.4 |
| | 3H | 5.3 | 5.7 | 5.7 | 6.1 | 6.4 | 5.3 | 5.7 | 5.7 | 6.1 | 6.4 |
| | 4H | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 |
| | 6H | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | 5.2 | 5.5 | 5.6 | 5.9 | 6.3 |
| | 8H | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 | 5.2 | 5.5 | 5.6 | 5.9 | 6.3 |
| | 12H | 5.2 | 5.4 | 5.6 | 5.9 | 6.3 | 5.1 | 5.4 | 5.6 | 5.8 | 6.3 |
| 8H | 4H | 5.2 | 5.5 | 5.6 | 5.9 | 6.3 | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 |
| | 6H | 5.2 | 5.4 | 5.7 | 5.9 | 6.3 | 5.2 | 5.4 | 5.7 | 5.9 | 6.3 |
| | 8H | 5.2 | 5.4 | 5.6 | 5.8 | 6.3 | 5.2 | 5.4 | 5.6 | 5.8 | 6.3 |
| | 12H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 |
| 12H | 4H | 5.1 | 5.4 | 5.6 | 5.8 | 6.3 | 5.2 | 5.4 | 5.6 | 5.9 | 6.3 |
| | 6H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 |
| | 8H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 5.6 / -5.4 | 5.6 / -5.4 |
| | 1.5H | 8.3 / -6.1 | 8.3 / -6.1 |
| | 2.0H | 10.2 / -6.8 | 10.2 / -6.8 |