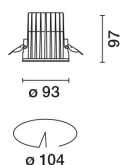


Product configuration: QM41.Y+PA53.01

PA53.01: Minimal flange - For recessed \varnothing 96 mm version - White



QM41.Y: Minimal fixed recessed luminaire Ø 96 mm - Flood beam - UGR < 19 - ON-OFF. **Attention! Code no longer in production**

Technical description
Fixed round recessed luminaire for C.o.B. LED lamp. UGR<19 controlled luminance light emission. Version without rim for mounting flush with ceiling. Die-cast aluminium recessed structure for installation in a specific adapter with a separate code is available for false ceilings. This is indispensable for installing recessed luminaires. Reflector vacuum-metallised with aluminium vapours and finished with a protective anti-scratch layer and anti-fall retaining system. Control gear unit included.

The luminaire is recessed in the adapter (PA53) by means of a steel wire spring, previously installed on the ceiling. A spring lock / unlock system simplifies installation and eventual maintenance operations.

| Colour | Weight (Kg) |
|----------------|-------------|
| Aluminium (12) | 0.58 |

ceiling recessed

Power line connections can be made on control gear terminal board included.

TPb rated

Complies with EN60598-1 and pertinent regulations



PA53.01: Minimal flange - For recessed ø 96 mm version - White **Attention! Code no longer in production**



Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for fixed Reflex recessed luminaires. Made of plastic with a border for limiting plaster and holes for installation with screws and anchors suitable for plasterboard (included). Fastening the adapter to the installation surface does not require predefined panel thicknesses.

Preparation hole Ø 104 mm. Fastening the perforated perimeter rim to the installation surface (fixing screws included) - subsequent operations including filling, smoothing to the reference border and finishing - final insertion of the recessed luminaire (separate code) in the adapter.

| Colour | Weight (Kg) |
|------------|-------------|
| White (01) | 0.05 |

ceiling recessed

Complies with EN60598-1 and pertinent regulations

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 1406 | CRI (minimum): | 80 |
| W system: | 15.2 | Colour temperature [K]: | 3000 |
| Im source: | 1900 | MacAdam Step: | 2 |
| W source: | 12 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 92.5 | 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.) [%]: | 74 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 44° | | |

| | | | | | | |
|--|---|--|------------|-----|-----|------------------|
| | CIE nL 0.74 97-100-100-100-74 UGR 17.7-17.7 | | Lux | | | |
| | DIN A.61 | | h | d | Em | E _{max} |
| | UTE 0.74A+0.00T F*1=972 F*1+F*2=1000 F*1+F*2+F*3=1000 | | 2 | 1.6 | 451 | 557 |
| | CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @65° | | 4 | 3.2 | 113 | 139 |
| | | | 6 | 4.8 | 50 | 62 |
| | | | 8 | 6.5 | 28 | 35 |

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DDR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 66 | 62 | 60 | 58 | 62 | 59 | 59 | 57 | 76 |
| 1.0 | 69 | 66 | 63 | 62 | 65 | 63 | 63 | 60 | 81 |
| 1.5 | 73 | 70 | 68 | 67 | 69 | 68 | 67 | 65 | 87 |
| 2.0 | 75 | 73 | 72 | 71 | 72 | 71 | 70 | 68 | 92 |
| 2.5 | 77 | 75 | 74 | 73 | 74 | 73 | 72 | 70 | 95 |
| 3.0 | 77 | 77 | 76 | 75 | 75 | 75 | 74 | 72 | 97 |
| 4.0 | 78 | 78 | 77 | 77 | 76 | 76 | 75 | 73 | 99 |
| 5.0 | 79 | 78 | 78 | 78 | 77 | 77 | 76 | 74 | 100 |

| QC | A | G | 1.15 | 2000 | 1000 | 500 | <-300 | | |
|----|---|---|------|------|------|------|-------|------|-------|
| | B | | 1.50 | | 2000 | 1000 | 750 | 500 | <-300 |
| | C | | 1.85 | | | 2000 | | 1000 | 500 |

85°
75°
65°
55°
45°

10² 2 3 4 5 6 8 10³ 2 3 4 5 6 8 10⁴ cd/m²

C0-180 C90-270 C0-300

UGR diagram

| Corrected UGR values (at 1900 lm bare lamp luminous flux) | | | | | | | | | | | | |
|--|-----|---------------------|-------------|------|------|------|-------------------|------|------|------|------|--|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| | | viewed crosswise | | | | | viewed endwise | | | | | |
| 2H | 2H | 18.3 | 18.9 | 18.5 | 19.2 | 19.4 | 18.3 | 18.9 | 18.5 | 19.2 | 19.4 | |
| | 3H | 18.1 | 18.7 | 18.4 | 19.0 | 19.3 | 18.1 | 18.7 | 18.4 | 19.0 | 19.3 | |
| | 4H | 18.0 | 18.6 | 18.4 | 18.9 | 19.2 | 18.0 | 18.6 | 18.4 | 18.9 | 19.2 | |
| | 6H | 18.0 | 18.5 | 18.3 | 18.8 | 19.1 | 18.0 | 18.5 | 18.3 | 18.8 | 19.1 | |
| | 8H | 17.9 | 18.4 | 18.3 | 18.7 | 19.1 | 17.9 | 18.4 | 18.3 | 18.7 | 19.1 | |
| | 12H | 17.9 | 18.4 | 18.3 | 18.7 | 19.0 | 17.9 | 18.4 | 18.3 | 18.7 | 19.0 | |
| 4H | 2H | 18.0 | 18.6 | 18.4 | 18.9 | 19.2 | 18.0 | 18.6 | 18.4 | 18.9 | 19.2 | |
| | 3H | 17.9 | 18.4 | 18.3 | 18.7 | 19.0 | 17.9 | 18.4 | 18.3 | 18.7 | 19.0 | |
| | 4H | 17.8 | 18.2 | 18.2 | 18.6 | 19.0 | 17.8 | 18.2 | 18.2 | 18.6 | 19.0 | |
| | 6H | 17.7 | 18.1 | 18.1 | 18.5 | 18.9 | 17.7 | 18.1 | 18.1 | 18.5 | 18.9 | |
| | 8H | 17.7 | 18.0 | 18.1 | 18.4 | 18.8 | 17.7 | 18.0 | 18.1 | 18.4 | 18.8 | |
| | 12H | 17.6 | 17.9 | 18.1 | 18.3 | 18.8 | 17.6 | 17.9 | 18.1 | 18.3 | 18.8 | |
| 8H | 4H | 17.7 | 18.0 | 18.1 | 18.4 | 18.8 | 17.7 | 18.0 | 18.1 | 18.4 | 18.8 | |
| | 6H | 17.6 | 17.8 | 18.0 | 18.3 | 18.8 | 17.6 | 17.8 | 18.0 | 18.3 | 18.8 | |
| | 8H | 17.5 | 17.8 | 18.0 | 18.2 | 18.7 | 17.5 | 17.8 | 18.0 | 18.2 | 18.7 | |
| | 12H | 17.5 | 17.7 | 18.0 | 18.2 | 18.7 | 17.5 | 17.7 | 18.0 | 18.2 | 18.7 | |
| 12H | 4H | 17.6 | 17.9 | 18.1 | 18.3 | 18.8 | 17.6 | 17.9 | 18.1 | 18.3 | 18.8 | |
| | 6H | 17.5 | 17.8 | 18.0 | 18.2 | 18.7 | 17.5 | 17.8 | 18.0 | 18.2 | 18.7 | |
| | 8H | 17.5 | 17.7 | 18.0 | 18.2 | 18.7 | 17.5 | 17.7 | 18.0 | 18.2 | 18.7 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 4.4 / -31.1 | | | | 4.4 / -31.1 | | | | | |
| | | 1.5H | 7.2 / -38.8 | | | | 7.2 / -38.8 | | | | | |
| | | 2.0H | 9.2 / -39.6 | | | | 9.2 / -39.6 | | | | | |