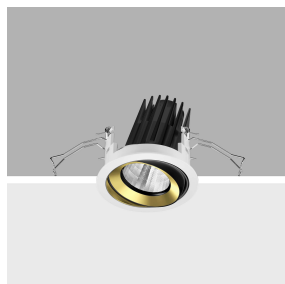


Last information update: May 2025

Product configuration: P359.41

P359.41: Adjustable (tilting) round recessed luminaire - LED - wide flood - White/Gold

**Product code**

P359.41: Adjustable (tilting) round recessed luminaire - LED - wide flood - White/Gold

Technical description

Round recessed luminaire with contact frame. Adjustable version that tilts by a maximum of 30°. The main swivel body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wide flood optic (42°). Structure with die-cast aluminium external contact frame with a single white finish. Steel rotating parts. The ring inside the swivel body is made of thermoplastic available in a range of painted and metallised finishes. Safety glass included Quick and easy tool free assembly. High color rendering index 3,000K LED. Power unit available with a separate code no.

Installation

Recessed in a false ceiling by means of an anti-fall steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 75 mm.

Colour

White/Gold (41)*

Weight (Kg)

0.23

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts are available with a separate code no.: ON-OFF / 1-10V dimmable / DALI dimmable / Trailing Edge dimmable - the recessed fitting includes a cable and a quick-coupling connector to connect it to the connector on the ballast.

Notes

To reduce the glare caused by the internal wall of the recess when the luminaire has been rotated, a black, snap on accessory ring is available. A wide range of decorative accessories and diffusers is also available.

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|-------|---------------------------------------|---------------------------------|
| Im system: | 1041 | CRI (minimum): | 90 |
| W system: | 10 | Colour temperature [K]: | 3000 |
| Im source: | 1320 | MacAdam Step: | 2 |
| W source: | 10 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value): | 104.1 | 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.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 44° | LED current [mA]: | 300 |

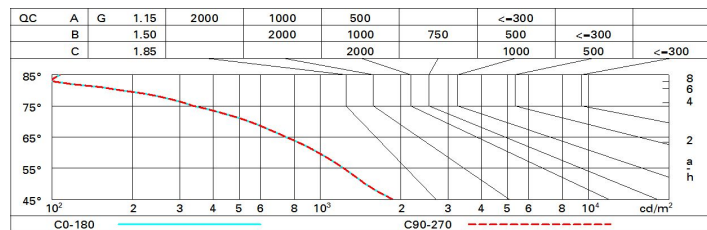
Polar

| | | | | |
|---------|--|-----|-----|------------------|
| | CIE nL 0.79 99-100-100-100-79 UGR <10-10 DIN A.61 UTE 0.79A+0.00T F*1=995 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° | | | |
| | h | d | Em | E _{max} |
| | 2 | 1.6 | 428 | 521 |
| | 4 | 3.3 | 107 | 130 |
| | 6 | 4.9 | 48 | 58 |
| α = 44° | 8 | 6.5 | 27 | 33 |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 71 | 67 | 65 | 63 | 67 | 64 | 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 | 77 | 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 1320 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| | 3H | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| | 4H | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | 6H | | | | | | | | | | |
| | 8H | | | | | | | | | | |
| | 12H | | | | | | | | | | |
| 4H | 2H | 0.5 | 7.0 | 0.7 | 7.3 | 7.5 | 0.5 | 7.0 | 0.7 | 7.3 | 7.5 |
| | 3H | 0.4 | 0.9 | 0.7 | 7.2 | 7.5 | 0.4 | 0.9 | 0.7 | 7.2 | 7.4 |
| | 4H | 0.3 | 0.8 | 0.7 | 7.1 | 7.4 | 0.3 | 0.8 | 0.6 | 7.1 | 7.4 |
| | 6H | 0.3 | 0.7 | 0.6 | 7.0 | 7.3 | 0.2 | 0.7 | 0.6 | 7.0 | 7.3 |
| | 8H | 0.2 | 0.7 | 0.6 | 7.0 | 7.3 | 0.2 | 0.6 | 0.6 | 7.0 | 7.3 |
| | 12H | 0.2 | 0.6 | 0.6 | 0.9 | 7.3 | 0.2 | 0.6 | 0.5 | 0.9 | 7.3 |
| 4H | 2H | 0.3 | 0.8 | 0.6 | 7.1 | 7.4 | 0.3 | 0.8 | 0.7 | 7.1 | 7.4 |
| | 3H | 0.2 | 0.6 | 0.6 | 7.0 | 7.3 | 0.2 | 0.6 | 0.6 | 7.0 | 7.3 |
| | 4H | 0.2 | 0.5 | 0.6 | 0.9 | 7.3 | 0.2 | 0.5 | 0.6 | 0.9 | 7.3 |
| | 6H | 0.1 | 0.4 | 0.5 | 0.8 | 7.2 | 0.1 | 0.4 | 0.5 | 0.8 | 7.2 |
| | 8H | 0.0 | 0.3 | 0.5 | 0.7 | 7.2 | 0.0 | 0.3 | 0.5 | 0.7 | 7.2 |
| | 12H | 0.0 | 0.2 | 0.4 | 0.7 | 7.1 | 0.0 | 0.2 | 0.4 | 0.7 | 7.1 |
| 8H | 4H | 0.0 | 0.3 | 0.5 | 0.7 | 7.2 | 0.0 | 0.3 | 0.5 | 0.7 | 7.2 |
| | 6H | 0.0 | 0.2 | 0.4 | 0.6 | 7.1 | 0.0 | 0.2 | 0.4 | 0.6 | 7.1 |
| | 8H | 5.9 | 6.1 | 0.4 | 0.6 | 7.1 | 5.9 | 6.1 | 0.4 | 0.6 | 7.1 |
| | 12H | 5.9 | 6.0 | 0.4 | 0.5 | 7.0 | 5.9 | 6.0 | 0.4 | 0.5 | 7.0 |
| 12H | 4H | 0.0 | 0.2 | 0.4 | 0.7 | 7.1 | 0.0 | 0.2 | 0.4 | 0.7 | 7.1 |
| | 6H | 5.9 | 6.1 | 0.4 | 0.6 | 7.1 | 5.9 | 6.1 | 0.4 | 0.6 | 7.1 |
| | 8H | 5.9 | 6.0 | 0.4 | 0.5 | 7.0 | 5.9 | 6.0 | 0.4 | 0.5 | 7.0 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.4 / -7.8 | | | | | 6.4 / -7.8 | | | | |
| | 1.5H | 9.2 / -9.0 | | | | | 9.2 / -9.0 | | | | |
| | 2.0H | 11.2 / -10.1 | | | | | 11.2 / -10.1 | | | | |