

Last information update: April 2025

Product configuration: RA11.41

RA11.41: Fixed round recessed luminaire - LED - medium - 17W 1950.5lm - 4000K - CRI 90 - White/Gold

**Product code**

RA11.41: Fixed round recessed luminaire - LED - medium - 17W 1950.5lm - 4000K - CRI 90 - White/Gold

Technical description

Round recessed luminaire with contact frame. Fixed version. The LED is set back to minimize glare. The main body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - medium optic. Structure with die-cast aluminium external contact frame with a single white finish. The internal ring 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 4000K 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 96 mm.

Colour

White/Gold (41)*

Weight (Kg)

0.37

* 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

A wide range of decorative accessories and diffusers is available.

Complies with EN60598-1 and pertinent regulations



IP20

IP44

On the visible part of the product once installed

**Technical data**

| | | | |
|--|-------|---------------------------------------|---------------------------------|
| lm system: | 1951 | CRI (minimum): | 90 |
| W system: | 17 | Colour temperature [K]: | 4000 |
| lm source: | 2350 | MacAdam Step: | 2 |
| W source: | 17 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 114.7 | 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.) [%]: | 83 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 17° | LED current [mA]: | 500 |

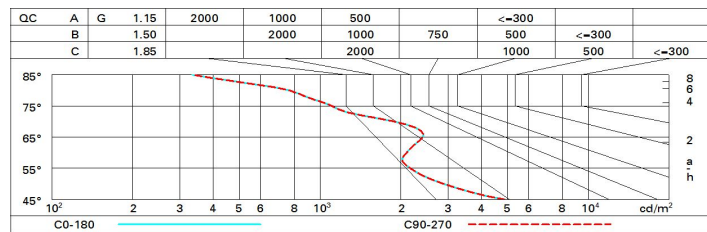
Polar

| | | | | |
|--|--|-----|------|------------------|
| | CIE nL 0.83 99-100-100-100-83 UGR <10-10 DIN A.61 UTE 0.83A+0.00T F*1=992 F*1+F*2=998 F*1+F*2+F*3=1000 CIBSE LG3 L<3000 cd/m² at 65° UGR<10 L<3000 cd/mq @65° | | | |
| | h | d | Em | E _{max} |
| | 2 | 0.6 | 2243 | 2860 |
| | 4 | 1.2 | 561 | 715 |
| | 6 | 1.8 | 249 | 318 |
| | 8 | 2.4 | 140 | 179 |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 75 | 71 | 68 | 66 | 70 | 68 | 67 | 65 | 78 |
| 1.0 | 78 | 75 | 72 | 70 | 74 | 71 | 71 | 68 | 82 |
| 1.5 | 82 | 79 | 77 | 76 | 78 | 77 | 76 | 73 | 88 |
| 2.0 | 85 | 83 | 81 | 80 | 81 | 80 | 79 | 77 | 93 |
| 2.5 | 86 | 85 | 84 | 83 | 83 | 82 | 82 | 79 | 96 |
| 3.0 | 87 | 86 | 85 | 84 | 85 | 84 | 83 | 81 | 98 |
| 4.0 | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99 |
| 5.0 | 89 | 88 | 88 | 87 | 87 | 86 | 85 | 83 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2350 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| | | 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 |
| 2H | 2H | 0.3 | 8.4 | 0.7 | 8.7 | 9.1 | 0.3 | 8.4 | 0.7 | 8.7 | 9.1 |
| | 3H | 0.5 | 8.1 | 0.9 | 8.4 | 8.8 | 0.3 | 7.9 | 0.7 | 8.2 | 8.5 |
| | 4H | 0.5 | 7.8 | 0.9 | 8.2 | 8.5 | 0.3 | 7.6 | 0.7 | 7.9 | 8.3 |
| | 6H | 0.5 | 7.5 | 0.9 | 7.9 | 8.2 | 0.3 | 7.3 | 0.6 | 7.6 | 8.0 |
| | 8H | 0.5 | 7.5 | 0.9 | 7.9 | 8.2 | 0.2 | 7.2 | 0.6 | 7.6 | 8.0 |
| | 12H | 0.4 | 7.5 | 0.8 | 7.8 | 8.2 | 0.2 | 7.2 | 0.6 | 7.6 | 7.9 |
| 4H | 2H | 0.3 | 7.6 | 0.7 | 7.9 | 8.3 | 0.5 | 7.8 | 0.9 | 8.2 | 8.5 |
| | 3H | 0.6 | 7.6 | 7.0 | 8.0 | 8.3 | 0.6 | 7.6 | 7.0 | 8.0 | 8.3 |
| | 4H | 0.5 | 7.6 | 0.9 | 8.0 | 8.4 | 0.5 | 7.6 | 0.9 | 8.0 | 8.4 |
| | 6H | 0.2 | 7.9 | 0.7 | 8.4 | 8.8 | 0.2 | 7.9 | 0.7 | 8.4 | 8.8 |
| | 8H | 0.1 | 8.0 | 0.6 | 8.5 | 9.0 | 0.1 | 8.0 | 0.6 | 8.5 | 9.0 |
| | 12H | 0.0 | 8.0 | 0.5 | 8.4 | 9.0 | 0.0 | 8.0 | 0.5 | 8.4 | 9.0 |
| 8H | 4H | 0.1 | 8.0 | 0.6 | 8.5 | 9.0 | 0.1 | 8.0 | 0.6 | 8.5 | 9.0 |
| | 6H | 0.1 | 7.8 | 0.6 | 8.3 | 8.9 | 0.1 | 7.8 | 0.6 | 8.3 | 8.9 |
| | 8H | 0.1 | 7.6 | 0.6 | 8.1 | 8.7 | 0.1 | 7.6 | 0.6 | 8.1 | 8.7 |
| | 12H | 0.2 | 7.2 | 0.8 | 7.7 | 8.2 | 0.2 | 7.2 | 0.8 | 7.7 | 8.2 |
| 12H | 4H | 0.0 | 8.0 | 0.5 | 8.4 | 9.0 | 0.0 | 8.0 | 0.5 | 8.4 | 9.0 |
| | 6H | 0.1 | 7.6 | 0.6 | 8.1 | 8.7 | 0.1 | 7.6 | 0.6 | 8.1 | 8.7 |
| | 8H | 0.2 | 7.2 | 0.8 | 7.7 | 8.2 | 0.2 | 7.2 | 0.8 | 7.7 | 8.2 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 4.5 / -3.9 | | | | | 4.5 / -3.9 | | | | |
| | 1.5H | 7.2 / -4.3 | | | | | 7.2 / -4.3 | | | | |
| | 2.0H | 9.1 / -4.4 | | | | | 9.1 / -4.4 | | | | |