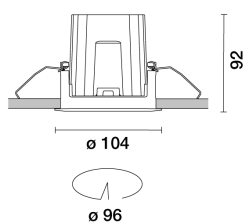


Last information update: April 2025

Product configuration: RA05.E4

RA05.E4: Fixed round recessed luminaire - LED - medium - 17W 1834.3lm - 3000K - CRI 90 - White / Chrome

**Product code**

RA05.E4: Fixed round recessed luminaire - LED - medium - 17W 1834.3lm - 3000K - CRI 90 - White / Chrome

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 3000K 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 / Chrome (E4)*

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



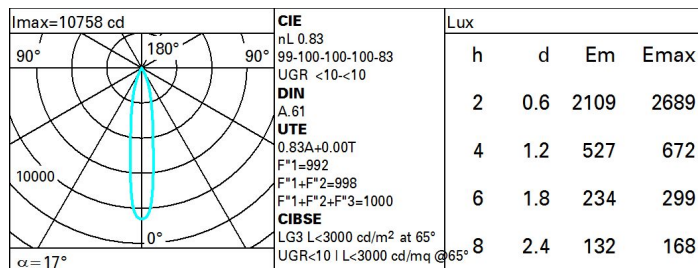
IP20

IP44

On the visible part of the product once installed

**Technical data**

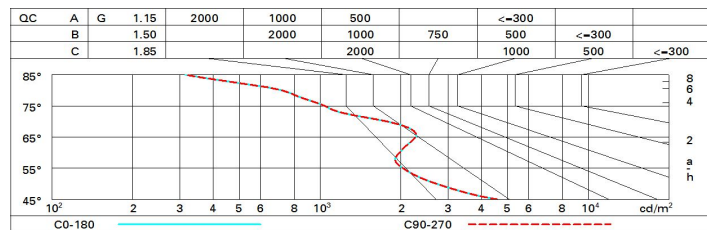
| | | | |
|--|-------|---------------------------------------|---------------------------------|
| lm system: | 1834 | CRI (minimum): | 90 |
| W system: | 17 | Colour temperature [K]: | 3000 |
| lm source: | 2210 | MacAdam Step: | 2 |
| W source: | 17 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 107.9 | 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

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 2210 lm bare lamp luminous flux) | | | | | | | | | | | |
|---|------|---------------------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 0.1 | 0.2 | 0.5 | 0.5 | 0.9 | 0.1 | 0.2 | 0.5 | 0.5 | 0.9 |
| | 3H | 0.3 | 0.3 | 0.7 | 0.2 | 0.6 | 0.1 | 0.3 | 0.4 | 0.0 | 0.3 |
| | 4H | 0.3 | 0.2 | 0.7 | 0.0 | 0.3 | 0.1 | 0.2 | 0.4 | 7.7 | 0.1 |
| | 6H | 0.3 | 0.2 | 0.7 | 7.7 | 0.0 | 0.0 | 0.2 | 0.4 | 7.4 | 7.8 |
| | 8H | 0.2 | 0.2 | 0.6 | 7.6 | 0.0 | 0.0 | 0.2 | 0.4 | 7.4 | 7.7 |
| | 12H | 0.2 | 0.2 | 0.6 | 7.6 | 0.0 | 5.9 | 0.2 | 0.3 | 7.3 | 7.7 |
| 4H | 2H | 0.1 | 7.4 | 0.4 | 7.7 | 0.1 | 0.3 | 7.6 | 0.7 | 0.0 | 0.3 |
| | 3H | 0.3 | 7.4 | 0.7 | 7.8 | 0.1 | 0.3 | 7.4 | 0.8 | 7.8 | 0.1 |
| | 4H | 0.3 | 7.4 | 0.7 | 7.8 | 0.2 | 0.3 | 7.4 | 0.7 | 7.8 | 0.2 |
| | 6H | 0.0 | 7.7 | 0.5 | 0.2 | 0.6 | 0.0 | 7.7 | 0.5 | 0.1 | 0.6 |
| | 8H | 5.9 | 7.8 | 0.4 | 0.3 | 0.8 | 5.9 | 7.8 | 0.4 | 0.2 | 0.7 |
| | 12H | 5.8 | 7.8 | 0.3 | 0.2 | 0.8 | 5.8 | 7.7 | 0.3 | 0.2 | 0.7 |
| 8H | 4H | 5.9 | 7.8 | 0.4 | 0.2 | 0.7 | 5.9 | 7.8 | 0.4 | 0.3 | 0.8 |
| | 6H | 5.9 | 7.6 | 0.4 | 0.1 | 0.6 | 5.9 | 7.6 | 0.4 | 0.1 | 0.6 |
| | 8H | 5.9 | 7.4 | 0.4 | 7.9 | 0.5 | 5.9 | 7.4 | 0.4 | 7.9 | 0.5 |
| | 12H | 0.0 | 7.0 | 0.6 | 7.5 | 0.0 | 0.0 | 7.0 | 0.6 | 7.5 | 0.0 |
| 12H | 4H | 5.8 | 7.7 | 0.3 | 0.2 | 0.7 | 5.8 | 7.8 | 0.3 | 0.2 | 0.8 |
| | 6H | 5.8 | 7.4 | 0.4 | 7.9 | 0.4 | 5.8 | 7.4 | 0.4 | 7.9 | 0.4 |
| | 8H | 0.0 | 7.0 | 0.6 | 7.5 | 0.0 | 0.0 | 7.0 | 0.6 | 7.5 | 0.0 |
| 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 | | | | |