

Last information update: April 2025

**Product configuration: RA02.E4**

RA02.E4: Fixed round recessed luminaire - LED - medium - 17W 1718.1lm - 2700K - CRI 90 - White / Chrome

**Product code**

RA02.E4: Fixed round recessed luminaire - LED - medium - 17W 1718.1lm - 2700K - 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 2700K 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



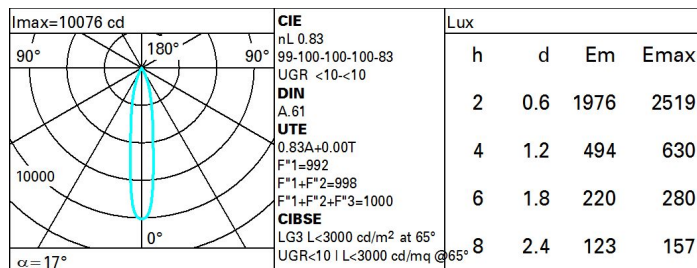
IP20

IP44

On the visible part of the product once installed

**Technical data**

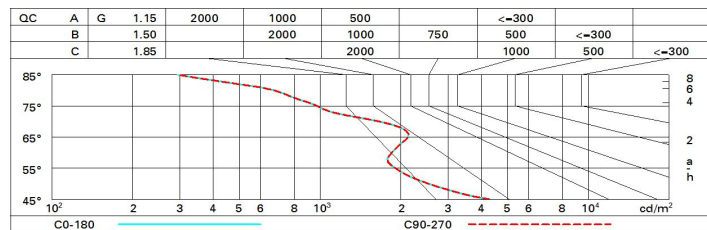
|  |       |                                       |                                 |
|--|-------|---------------------------------------|---------------------------------|
| lm system:   | 1718  | CRI (minimum):                        | 90                              |
| W system:  | 17    | Colour temperature [K]:               | 2700                            |
| lm source:   | 2070  | MacAdam Step:                         | 2                               |
| W source:  | 17    | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value):            | 101.1 | 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 2070 lm bare lamp luminous flux)        |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |      | viewed<br>crosswise |      |      |      |      | viewed<br>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   | 5.9                 | 8.0  | 0.2  | 8.3  | 8.6  | 5.9               | 8.0  | 0.2  | 8.3  | 8.6  |
|  | 3H   | 0.1                 | 7.7  | 0.4  | 8.0  | 8.3  | 5.8               | 7.4  | 0.2  | 7.8  | 8.1  |
|  | 4H   | 0.1                 | 7.4  | 0.4  | 7.7  | 8.1  | 5.8               | 7.2  | 0.2  | 7.5  | 7.8  |
|  | 6H   | 0.1                 | 7.1  | 0.4  | 7.4  | 7.8  | 5.8               | 6.8  | 0.2  | 7.2  | 7.5  |
|  | 8H   | 0.0                 | 7.1  | 0.4  | 7.4  | 7.8  | 5.8               | 6.8  | 0.2  | 7.2  | 7.5  |
|  | 12H  | 0.0                 | 7.0  | 0.4  | 7.4  | 7.8  | 5.7               | 6.8  | 0.1  | 7.1  | 7.5  |
| 4H   | 2H   | 5.8                 | 7.2  | 0.2  | 7.5  | 7.8  | 6.1               | 7.4  | 0.4  | 7.7  | 8.1  |
|  | 3H   | 0.1                 | 7.2  | 0.5  | 7.5  | 7.9  | 6.1               | 7.2  | 0.5  | 7.5  | 7.9  |
|  | 4H   | 0.1                 | 7.1  | 0.5  | 7.5  | 7.9  | 6.1               | 7.1  | 0.5  | 7.5  | 7.9  |
|  | 6H   | 5.8                 | 7.5  | 0.3  | 7.9  | 8.4  | 5.8               | 7.5  | 0.3  | 7.9  | 8.4  |
|  | 8H   | 5.7                 | 7.6  | 0.2  | 8.0  | 8.5  | 5.7               | 7.5  | 0.2  | 8.0  | 8.5  |
|  | 12H  | 5.6                 | 7.5  | 0.1  | 8.0  | 8.5  | 5.6               | 7.5  | 0.1  | 8.0  | 8.5  |
| 8H   | 4H   | 5.7                 | 7.5  | 0.2  | 8.0  | 8.5  | 5.7               | 7.6  | 0.2  | 8.0  | 8.5  |
|  | 6H   | 5.6                 | 7.4  | 0.1  | 7.9  | 8.4  | 5.6               | 7.4  | 0.1  | 7.9  | 8.4  |
|  | 8H   | 5.6                 | 7.2  | 0.2  | 7.7  | 8.2  | 5.6               | 7.2  | 0.2  | 7.7  | 8.2  |
|  | 12H  | 5.8                 | 6.8  | 0.3  | 7.3  | 7.8  | 5.8               | 6.8  | 0.3  | 7.3  | 7.8  |
| 12H  | 4H   | 5.6                 | 7.5  | 0.1  | 8.0  | 8.5  | 5.6               | 7.5  | 0.1  | 8.0  | 8.5  |
|  | 6H   | 5.6                 | 7.2  | 0.1  | 7.7  | 8.2  | 5.6               | 7.2  | 0.1  | 7.7  | 8.2  |
|  | 8H   | 5.8                 | 6.8  | 0.3  | 7.3  | 7.8  | 5.8               | 6.8  | 0.3  | 7.3  | 7.8  |
| 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        |      |      |      |      |