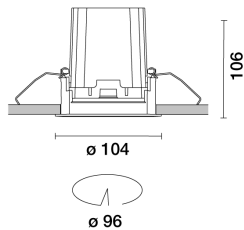


Last information update: April 2025

**Product configuration: RA17.47**

RA17.47: Fixed round recessed luminaire - LED - medium - Super Comfort - 17W 1878.5lm - 3000K - CRI 90 - Black / White

**Product code**

RA17.47: Fixed round recessed luminaire - LED - medium - Super Comfort - 17W 1878.5lm - 3000K - CRI 90 - Black / White

**Technical description**

Round recessed luminaire with contact frame. Fixed Super Comfort version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. 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**

Black / White (47)

**Weight (Kg)**

0.38

**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



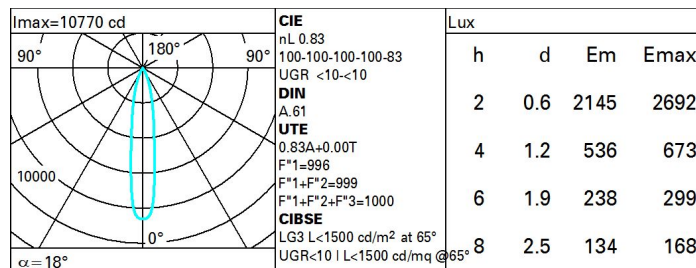
IP20

IP44

On the visible part of the product once installed

**Technical data**

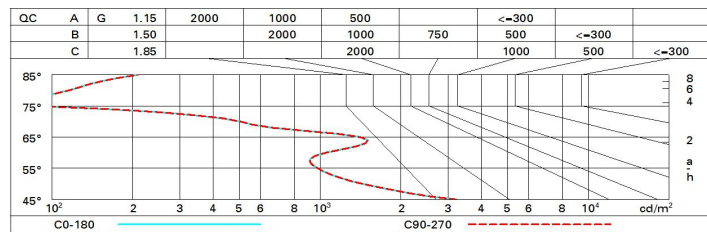
|  |       |                                       |                                 |
|--|-------|---------------------------------------|---------------------------------|
| Im system:   | 1834  | CRI (minimum):                        | 90                              |
| W system:  | 17    | Colour temperature [K]:               | 3000                            |
| Im source:   | 2210  | MacAdam Step:                         | 2                               |
| W source:  | 17    | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value):            | 107.9 | 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.) [%]:                   | 83    | Number of optical assemblies:         | 1                               |
| Beam angle [°]:                                    | 18°   | 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 | 72 | 71 | 69 | 83  |
| 1.5  | 82 | 79 | 77 | 76 | 78 | 77 | 76 | 73 | 88  |
| 2.0  | 85 | 83 | 81 | 80 | 82 | 80 | 79 | 77 | 93  |
| 2.5  | 86 | 85 | 84 | 83 | 84 | 82 | 82 | 79 | 96  |
| 3.0  | 87 | 86 | 85 | 85 | 85 | 84 | 83 | 81 | 98  |
| 4.0  | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99  |
| 5.0  | 89 | 88 | 88 | 88 | 87 | 86 | 85 | 83 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2210 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   | 5.1                 | 7.2  | 5.5  | 7.5  | 7.9  | 5.1               | 7.2  | 5.5  | 7.5  | 7.9  |
|   | 3H   | 5.0                 | 6.6  | 5.4  | 7.0  | 7.3  | 5.0               | 6.6  | 5.4  | 6.9  | 7.3  |
|   | 4H   | 5.0                 | 6.3  | 5.4  | 6.6  | 7.0  | 5.0               | 6.3  | 5.4  | 6.6  | 7.0  |
|   | 6H   | 4.9                 | 6.0  | 5.3  | 6.3  | 6.7  | 4.9               | 6.0  | 5.3  | 6.3  | 6.6  |
|   | 8H   | 4.9                 | 5.9  | 5.3  | 6.3  | 6.6  | 4.9               | 5.9  | 5.3  | 6.3  | 6.6  |
|   | 12H  | 4.8                 | 5.9  | 5.2  | 6.2  | 6.6  | 4.8               | 5.9  | 5.2  | 6.2  | 6.6  |
| 4H  | 2H   | 5.0                 | 6.3  | 5.4  | 6.6  | 7.0  | 5.0               | 6.3  | 5.4  | 6.6  | 7.0  |
|   | 3H   | 4.9                 | 6.0  | 5.3  | 6.3  | 6.7  | 4.9               | 5.9  | 5.3  | 6.3  | 6.7  |
|   | 4H   | 4.8                 | 5.9  | 5.2  | 6.2  | 6.7  | 4.8               | 5.9  | 5.2  | 6.2  | 6.7  |
|   | 6H   | 4.4                 | 6.1  | 4.9  | 6.6  | 7.1  | 4.4               | 6.1  | 4.9  | 6.6  | 7.1  |
|   | 8H   | 4.3                 | 6.2  | 4.8  | 6.7  | 7.2  | 4.3               | 6.2  | 4.8  | 6.7  | 7.2  |
|   | 12H  | 4.2                 | 6.2  | 4.7  | 6.6  | 7.2  | 4.2               | 6.2  | 4.7  | 6.6  | 7.2  |
| 8H  | 4H   | 4.3                 | 6.2  | 4.8  | 6.7  | 7.2  | 4.3               | 6.2  | 4.8  | 6.7  | 7.2  |
|   | 6H   | 4.2                 | 6.0  | 4.7  | 6.5  | 7.0  | 4.2               | 6.0  | 4.7  | 6.5  | 7.0  |
|   | 8H   | 4.2                 | 5.8  | 4.7  | 6.2  | 6.8  | 4.2               | 5.8  | 4.7  | 6.2  | 6.8  |
|   | 12H  | 4.4                 | 5.3  | 4.9  | 5.8  | 6.4  | 4.4               | 5.3  | 4.9  | 5.8  | 6.4  |
| 12H   | 4H   | 4.2                 | 6.2  | 4.7  | 6.6  | 7.2  | 4.2               | 6.2  | 4.7  | 6.6  | 7.2  |
|   | 6H   | 4.2                 | 5.8  | 4.7  | 6.2  | 6.8  | 4.2               | 5.8  | 4.7  | 6.3  | 6.8  |
|   | 8H   | 4.4                 | 5.3  | 4.9  | 5.8  | 6.4  | 4.4               | 5.3  | 4.9  | 5.8  | 6.4  |
| Variations with the observer position at spacing:                     |      |                     |      |      |      |      |                   |      |      |      |      |
| S =   | 1.0H | 5.5 / -9.0          |      |      |      |      | 5.5 / -9.0        |      |      |      |      |
|   | 1.5H | 8.2 / -9.0          |      |      |      |      | 8.2 / -9.0        |      |      |      |      |
|   | 2.0H | 10.2 / -11.0        |      |      |      |      | 10.2 / -11.0      |      |      |      |      |