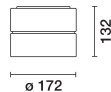


Last information update: January 2025

**Product configuration: RN89.R6**

RN89.R6: Ceiling-mounted luminaire - Ø172 - UGR &lt; 19 - Champagne/Trasparent/White Transparent

**Product code**

RN89.R6: Ceiling-mounted luminaire - Ø172 - UGR &lt; 19 - Champagne/Trasparent/White Transparent

**Technical description**

Direct light luminaire - ceiling-mounted installation. LED lamp with high color rendering index - controlled luminance emission  $L < 3000 \text{ cd/m}^2$  -  $UGR < 19$  - ideal for use in environments with video monitors. The light emission unit is made of PMMA and consists of a transparent prismatic reflector combined with a flux enhancer and diffuser screen - an internal polycarbonate cover defines the optical assembly visually. The twin-part external structure of the lighting body is made of machined aluminium - with a uniform or combined paint finish. The practical bayonet coupling system allows the two sections to be separated to perform wiring operations - a steel retaining cable stops the section from falling when divided. DALI dimmable power supply unit integrated in the lighting body.

**Installation**

ceiling-mounted directly on the structure that can be separated into two sections with a bayonet coupling system.

**Colour**

Champagne/Trasparent/White Transparent (R6)

**Weight (Kg)**

1.09

**Mounting**

ceiling surface

**Wiring**

Integrated DALI dimmable driver - wiring terminal block positioned in the upper section of the structure.

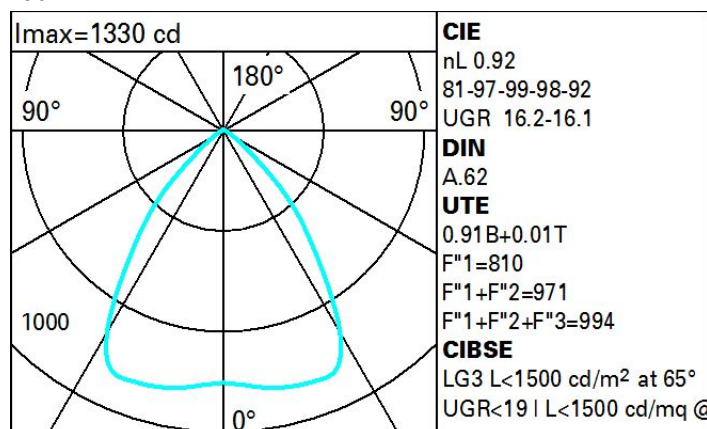
Complies with EN60598-1 and pertinent regulations



IP40

**Technical data**

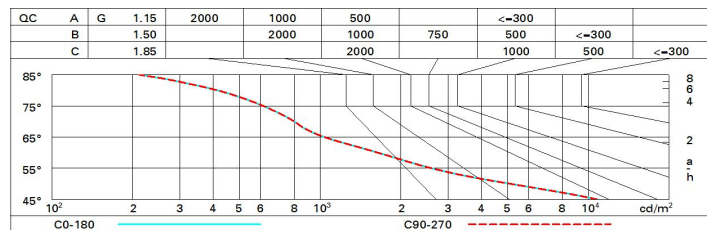
|  |       |                                       |        |
|--|-------|---------------------------------------|--------|
| lm system:   | 2125  | CRI (minimum):                        | 90     |
| W system:  | 16    | Colour temperature [K]:               | 3000   |
| lm source:   | 2310  | MacAdam Step:                         | 2      |
| W source:  | 16    | Lamp code:                            | LED    |
| Luminous efficiency (lm/W, real value):            | 132.8 | Number of lamps for optical assembly: | 1      |
| lm in emergency mode:                              | -     | ZVEI Code:                            | LED    |
| Total light flux at or above an angle of 90° [Lm]: | 34    | Number of optical assemblies:         | 1      |
| Light Output Ratio (L.O.R.) [%]:                   | 92    | Control:                              | DALI-2 |

**Polar**

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 74 | 68 | 64 | 60 | 67 | 63 | 62 | 58 | 64  |
| 1.0  | 79 | 74 | 70 | 66 | 72 | 69 | 68 | 64 | 71  |
| 1.5  | 86 | 82 | 78 | 75 | 80 | 77 | 76 | 72 | 80  |
| 2.0  | 90 | 86 | 84 | 81 | 85 | 82 | 81 | 77 | 86  |
| 2.5  | 92 | 89 | 87 | 85 | 88 | 86 | 84 | 81 | 89  |
| 3.0  | 93 | 91 | 89 | 88 | 89 | 88 | 86 | 83 | 92  |
| 4.0  | 95 | 93 | 92 | 91 | 91 | 90 | 88 | 85 | 94  |
| 5.0  | 96 | 94 | 93 | 92 | 92 | 91 | 90 | 86 | 95  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2310 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 |      |      |      |      |
| 2H   | 2H  | 10.5                | 17.3 | 10.8 | 17.0 | 17.8 | 10.5              | 17.3 | 10.8 | 17.0 | 17.8 |
|  | 3H  | 10.4                | 17.1 | 10.8 | 17.4 | 17.7 | 10.4              | 17.1 | 10.7 | 17.4 | 17.7 |
|  | 4H  | 10.4                | 17.0 | 10.7 | 17.4 | 17.7 | 10.3              | 17.0 | 10.7 | 17.3 | 17.7 |
|  | 6H  | 10.3                | 16.9 | 10.7 | 17.3 | 17.6 | 10.2              | 16.9 | 10.6 | 17.2 | 17.6 |
|  | 8H  | 10.3                | 16.9 | 10.7 | 17.2 | 17.6 | 10.2              | 16.8 | 10.6 | 17.2 | 17.5 |
|  | 12H | 10.3                | 16.8 | 10.7 | 17.2 | 17.6 | 10.2              | 16.7 | 10.6 | 17.1 | 17.5 |
| 4H   | 2H  | 10.3                | 17.0 | 10.7 | 17.3 | 17.7 | 10.4              | 17.0 | 10.7 | 17.4 | 17.7 |
|  | 3H  | 10.3                | 16.8 | 10.7 | 17.2 | 17.6 | 10.3              | 16.9 | 10.7 | 17.2 | 17.6 |
|  | 4H  | 10.2                | 16.7 | 10.7 | 17.1 | 17.6 | 10.2              | 16.7 | 10.7 | 17.1 | 17.6 |
|  | 6H  | 10.2                | 16.6 | 10.7 | 17.1 | 17.5 | 10.2              | 16.6 | 10.6 | 17.0 | 17.5 |
|  | 8H  | 10.2                | 16.6 | 10.6 | 17.0 | 17.5 | 10.1              | 16.5 | 10.6 | 17.0 | 17.4 |
|  | 12H | 10.1                | 16.5 | 10.6 | 16.9 | 17.4 | 10.1              | 16.4 | 10.6 | 16.9 | 17.4 |
| 8H   | 4H  | 10.1                | 16.5 | 10.6 | 17.0 | 17.4 | 10.2              | 16.6 | 10.6 | 17.0 | 17.5 |
|  | 6H  | 10.1                | 16.4 | 10.6 | 16.9 | 17.4 | 10.1              | 16.4 | 10.6 | 16.9 | 17.4 |
|  | 8H  | 10.1                | 16.4 | 10.6 | 16.8 | 17.4 | 10.1              | 16.4 | 10.6 | 16.8 | 17.4 |
|  | 12H | 10.0                | 16.3 | 10.6 | 16.8 | 17.3 | 10.0              | 16.3 | 10.6 | 16.8 | 17.3 |
| 12H  | 4H  | 10.1                | 16.4 | 10.6 | 16.9 | 17.4 | 10.1              | 16.5 | 10.6 | 16.9 | 17.4 |
|  | 6H  | 10.1                | 16.3 | 10.6 | 16.8 | 17.4 | 10.1              | 16.3 | 10.6 | 16.8 | 17.4 |
|  | 8H  | 10.0                | 16.3 | 10.6 | 16.8 | 17.3 | 10.0              | 16.3 | 10.6 | 16.8 | 17.3 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 2.4 / -5.0          |      |      |      |      | 2.4 / -5.0        |      |      |      |      |
|  |     | 4.8 / -6.8          |      |      |      |      | 4.8 / -6.8        |      |      |      |      |
|  |     | 6.7 / -7.8          |      |      |      |      | 6.7 / -7.8        |      |      |      |      |