

Last information update: August 2025

**Product configuration: RN99.G1**

RN99.G1: Ceiling-mounted luminaire - Ø234 - General Light - Black/Black Transparent

**Product code**

RN99.G1: Ceiling-mounted luminaire - Ø234 - General Light - Black/Black Transparent

**Technical description**

Direct lighting luminaire - ceiling installation. LED source with high colour rendering index - high performance emission with excellent levels of efficiency for general lighting uses. PMMA emission unit made up of a transparent PMMA prismatic reflector in combination with the flow recovery unit and diffuser screen - an internal polycarbonate cover visually defines the optics unit. External structure of the light unit with double element in machined aluminium - finished with an even or combined painting. The practical bayonet coupling system allows the two sections to be separated to perform wiring work - a steel retaining cable prevents the separated section from falling. DALI dimmer power supply unit integrated into the light unit. The PURE version of the luminaire stands out for its textured translucent external lower ring.

**Installation**

ceiling installation directly on the structure that can be separated into two sections with bayonet system.

**Colour**

Black/Black Transparent (G1)

**Weight (Kg)**

1.79

**Mounting**

ceiling surface

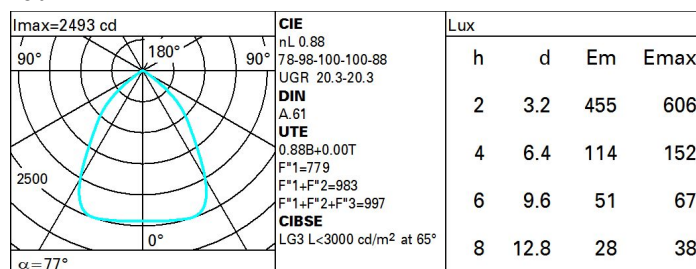
**Wiring**

Integrated DALI dimmer driver - wiring terminal board positioned in the upper part of the structure.

Complies with EN60598-1 and pertinent regulations

**Technical data**

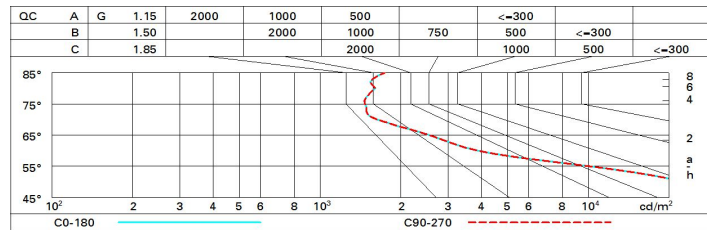
|  |       |                                       |                                 |
|--|-------|---------------------------------------|---------------------------------|
| lm system:   | 3951  | Colour temperature [K]:               | 3500                            |
| W system:  | 35.3  | MacAdam Step:                         | 2                               |
| lm source:   | 4490  | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| W source:  | 32    | Lamp code:                            | LED                             |
| Luminous efficiency (lm/W, real value):            | 111.9 | 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]: | 0     | Number of optical assemblies:         | 1                               |
| Light Output Ratio (L.O.R.) [%]:                   | 88    | Control:                              | DALI-2                          |
| CRI (minimum):                                     | 90    |                                       |                                 |

**Polar**

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 70 | 64 | 60 | 56 | 63 | 59 | 59 | 54 | 62  |
| 1.0  | 75 | 70 | 66 | 63 | 69 | 65 | 65 | 60 | 69  |
| 1.5  | 82 | 78 | 75 | 72 | 77 | 74 | 73 | 69 | 79  |
| 2.0  | 86 | 83 | 80 | 78 | 81 | 79 | 78 | 75 | 85  |
| 2.5  | 88 | 86 | 83 | 82 | 84 | 82 | 81 | 78 | 89  |
| 3.0  | 90 | 88 | 86 | 84 | 86 | 84 | 83 | 80 | 91  |
| 4.0  | 91 | 89 | 88 | 87 | 88 | 87 | 85 | 82 | 94  |
| 5.0  | 92 | 90 | 89 | 88 | 89 | 88 | 86 | 83 | 95  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 4490 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  | 20.7                | 21.5 | 21.0 | 21.8 | 22.0 | 20.7              | 21.5 | 21.0 | 21.8 | 22.0 |
|  | 3H  | 20.6                | 21.3 | 20.9 | 21.6 | 21.9 | 20.6              | 21.4 | 21.0 | 21.6 | 21.9 |
|  | 4H  | 20.5                | 21.2 | 20.9 | 21.5 | 21.8 | 20.6              | 21.2 | 20.9 | 21.5 | 21.9 |
|  | 6H  | 20.5                | 21.1 | 20.8 | 21.4 | 21.8 | 20.5              | 21.1 | 20.9 | 21.4 | 21.8 |
|  | 8H  | 20.5                | 21.0 | 20.8 | 21.4 | 21.7 | 20.5              | 21.1 | 20.8 | 21.4 | 21.7 |
|  | 12H | 20.4                | 21.0 | 20.8 | 21.3 | 21.7 | 20.4              | 21.0 | 20.8 | 21.3 | 21.7 |
| 4H   | 2H  | 20.6                | 21.2 | 20.9 | 21.5 | 21.9 | 20.5              | 21.2 | 20.9 | 21.5 | 21.8 |
|  | 3H  | 20.5                | 21.0 | 20.8 | 21.4 | 21.7 | 20.5              | 21.0 | 20.9 | 21.4 | 21.7 |
|  | 4H  | 20.4                | 20.9 | 20.8 | 21.3 | 21.7 | 20.4              | 20.9 | 20.8 | 21.3 | 21.7 |
|  | 6H  | 20.3                | 20.8 | 20.8 | 21.2 | 21.6 | 20.3              | 20.8 | 20.7 | 21.2 | 21.6 |
|  | 8H  | 20.3                | 20.7 | 20.7 | 21.1 | 21.6 | 20.3              | 20.7 | 20.7 | 21.1 | 21.5 |
|  | 12H | 20.3                | 20.6 | 20.7 | 21.1 | 21.5 | 20.2              | 20.6 | 20.7 | 21.0 | 21.5 |
| 8H   | 4H  | 20.3                | 20.7 | 20.7 | 21.1 | 21.5 | 20.3              | 20.7 | 20.7 | 21.1 | 21.6 |
|  | 6H  | 20.2                | 20.6 | 20.7 | 21.0 | 21.5 | 20.2              | 20.6 | 20.7 | 21.0 | 21.5 |
|  | 8H  | 20.2                | 20.5 | 20.7 | 20.9 | 21.4 | 20.2              | 20.5 | 20.7 | 20.9 | 21.4 |
|  | 12H | 20.2                | 20.4 | 20.7 | 20.9 | 21.4 | 20.2              | 20.4 | 20.7 | 20.9 | 21.4 |
| 12H  | 4H  | 20.2                | 20.6 | 20.7 | 21.0 | 21.5 | 20.3              | 20.6 | 20.7 | 21.1 | 21.5 |
|  | 6H  | 20.2                | 20.5 | 20.7 | 20.9 | 21.4 | 20.2              | 20.5 | 20.7 | 21.0 | 21.5 |
|  | 8H  | 20.2                | 20.4 | 20.7 | 20.9 | 21.4 | 20.2              | 20.4 | 20.7 | 20.9 | 21.4 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 1.0H                |      |      |      |      | 1.4 / -4.3        |      |      |      |      |
|  |     | 1.5H                |      |      |      |      | 3.2 / -8.8        |      |      |      |      |
|  |     | 2.0H                |      |      |      |      | 5.1 / -9.9        |      |      |      |      |