

Last information update: January 2025

Product configuration: RP09.I2

RP09.I2: Ceiling-mounted luminaire - Ø234 - UGR < 19 - White-Champagne/Black Transparent

**Product code**

RP09.I2: Ceiling-mounted luminaire - Ø234 - UGR < 19 - White-Champagne/Black 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

White-Champagne/Black Transparent (I2)

Weight (Kg)

1.79

Mounting

ceiling surface

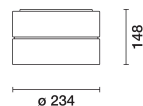
Wiring

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: 2365

W system: 18

lm source: 2750

W source: 18

Luminous efficiency (lm/W, real value): 131.4

lm in emergency mode: -

Total light flux at or above an angle of 90° [Lm]: 0

Light Output Ratio (L.O.R.) [%]: 86

CRI (minimum): 90

Colour temperature [K]: 4000

MacAdam Step: 2

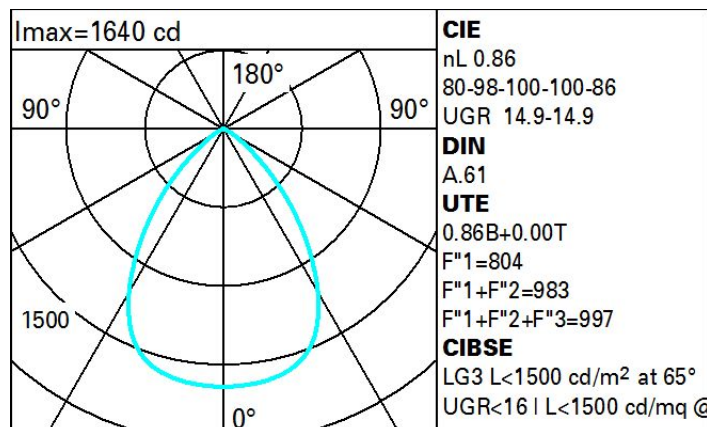
Lamp code: LED

Number of lamps for optical assembly: 1

ZVEI Code: LED

Number of optical assemblies: 1

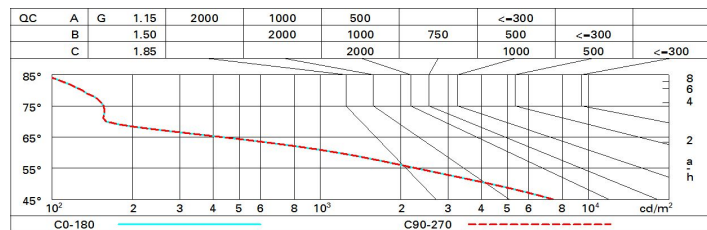
Control: DALI-2

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 70 | 64 | 60 | 57 | 63 | 59 | 59 | 55 | 64 |
| 1.0 | 75 | 69 | 65 | 62 | 68 | 65 | 64 | 60 | 70 |
| 1.5 | 81 | 77 | 74 | 71 | 76 | 73 | 72 | 69 | 80 |
| 2.0 | 84 | 81 | 79 | 77 | 80 | 78 | 77 | 74 | 86 |
| 2.5 | 86 | 84 | 82 | 80 | 83 | 81 | 80 | 77 | 89 |
| 3.0 | 88 | 86 | 84 | 83 | 84 | 83 | 82 | 79 | 92 |
| 4.0 | 89 | 88 | 86 | 85 | 86 | 85 | 84 | 81 | 94 |
| 5.0 | 90 | 89 | 88 | 87 | 87 | 86 | 85 | 82 | 95 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2750 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.: ceil/cav walls work pl. Room dim x y | | 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 |
| | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 15.4 | 16.2 | 15.7 | 16.5 | 16.7 | 15.4 | 16.2 | 15.7 | 16.5 | 16.7 |
| | 3H | 15.3 | 16.0 | 15.6 | 16.3 | 16.6 | 15.3 | 16.0 | 15.7 | 16.3 | 16.6 |
| | 4H | 15.2 | 15.9 | 15.6 | 16.2 | 16.5 | 15.3 | 15.9 | 15.6 | 16.2 | 16.5 |
| | 6H | 15.1 | 15.7 | 15.5 | 16.1 | 16.4 | 15.2 | 15.8 | 15.5 | 16.1 | 16.4 |
| | 8H | 15.1 | 15.7 | 15.5 | 16.0 | 16.4 | 15.1 | 15.7 | 15.5 | 16.1 | 16.4 |
| | 12H | 15.1 | 15.6 | 15.5 | 16.0 | 16.3 | 15.1 | 15.7 | 15.5 | 16.0 | 16.4 |
| 4H | 2H | 15.3 | 15.9 | 15.6 | 16.2 | 16.5 | 15.2 | 15.9 | 15.6 | 16.2 | 16.5 |
| | 3H | 15.1 | 15.7 | 15.5 | 16.0 | 16.4 | 15.1 | 15.7 | 15.5 | 16.0 | 16.4 |
| | 4H | 15.0 | 15.5 | 15.4 | 15.9 | 16.3 | 15.0 | 15.5 | 15.4 | 15.9 | 16.3 |
| | 6H | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 | 15.0 | 15.4 | 15.4 | 15.8 | 16.2 |
| | 8H | 14.9 | 15.3 | 15.4 | 15.7 | 16.2 | 14.9 | 15.3 | 15.4 | 15.7 | 16.2 |
| | 12H | 14.9 | 15.2 | 15.3 | 15.7 | 16.1 | 14.9 | 15.2 | 15.3 | 15.7 | 16.1 |
| 8H | 4H | 14.9 | 15.3 | 15.4 | 15.7 | 16.2 | 14.9 | 15.3 | 15.4 | 15.7 | 16.2 |
| | 6H | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 | 14.8 | 15.2 | 15.3 | 15.6 | 16.1 |
| | 8H | 14.8 | 15.1 | 15.3 | 15.5 | 16.0 | 14.8 | 15.1 | 15.3 | 15.5 | 16.0 |
| | 12H | 14.8 | 15.0 | 15.3 | 15.5 | 16.0 | 14.7 | 15.0 | 15.3 | 15.5 | 16.0 |
| 12H | 4H | 14.9 | 15.2 | 15.3 | 15.7 | 16.1 | 14.9 | 15.2 | 15.3 | 15.7 | 16.1 |
| | 6H | 14.8 | 15.1 | 15.3 | 15.5 | 16.0 | 14.8 | 15.1 | 15.3 | 15.5 | 16.0 |
| | 8H | 14.7 | 15.0 | 15.3 | 15.5 | 16.0 | 14.8 | 15.0 | 15.3 | 15.5 | 16.0 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 2.0 / -4.8 | | | | | 2.0 / -4.8 | | | | |
| | 1.5H | 4.3 / -9.9 | | | | | 4.3 / -9.9 | | | | |
| | 2.0H | 6.2 / -14.2 | | | | | 6.2 / -14.2 | | | | |