

Easy

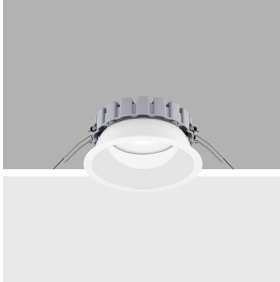
Design iGuzzini

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Last information update: February 2025

Product configuration: RL62.01

RL62.01: Ø 163 mm - warm white - DALI - White



Product code

RL62.01: Ø 163 mm - warm white - DALI - White

Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in warm white colour tone (3500K). General lighting beam.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Colour

White (01)

Weight (Kg)

0.68

Mounting

ceiling surface

Wiring

product complete with DALI components

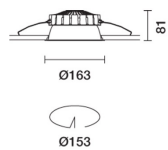
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| lm system: | 1870 | Colour temperature [K]: | 3500 |
| W system: | 17 | MacAdam Step: | 2 |
| lm source: | 2200 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 15 | Lamp code: | LED |
| Luminous efficiency (lm/W, real value): | 110 | 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.) [%]: | 85 | Control: | DALI-2 |
| CRI (minimum): | 90 | | |

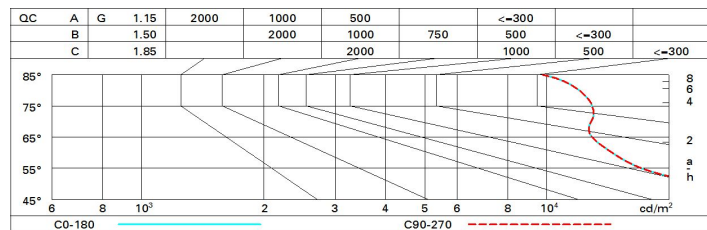
Polar

| | | | | | | | |
|--------------|------|---|-----|-----|-----|------|------------------|
| Imax=1051 cd | | CIE nL 0.85 69-92-98-100-85 UGR 24.2-23.8 DIN A.51 UTE 0.85C+0.00T F*1=693 F*1+F*2=915 F*1+F*2+F*3=981 | Lux | | | | |
| 90° | 180° | | 90° | h | d | Em | E _{max} |
| | | | 1 | 1.9 | 700 | 1051 | |
| | | | 2 | 3.7 | 175 | 263 | |
| | | | 3 | 5.6 | 78 | 117 | |
| | | | 4 | 7.5 | 44 | 66 | |
| α=86° | | | | | | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 65 | 58 | 53 | 49 | 57 | 52 | 52 | 47 | 56 |
| 1.0 | 70 | 63 | 59 | 55 | 62 | 58 | 57 | 53 | 62 |
| 1.5 | 77 | 72 | 68 | 65 | 70 | 67 | 66 | 62 | 73 |
| 2.0 | 81 | 77 | 74 | 71 | 75 | 73 | 72 | 68 | 80 |
| 2.5 | 83 | 80 | 77 | 75 | 78 | 76 | 75 | 71 | 84 |
| 3.0 | 85 | 82 | 80 | 78 | 80 | 79 | 77 | 74 | 87 |
| 4.0 | 87 | 84 | 83 | 81 | 83 | 81 | 80 | 77 | 90 |
| 5.0 | 88 | 86 | 84 | 83 | 84 | 83 | 81 | 78 | 92 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2200 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling walls work pl. Room dim x y | | viewed crosswise | | | | | viewed 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 | 22.2 | 23.1 | 22.5 | 23.3 | 23.6 | 22.2 | 23.1 | 22.5 | 23.3 | 23.6 |
| | 3H | 22.7 | 23.5 | 23.1 | 23.8 | 24.1 | 22.3 | 23.1 | 22.6 | 23.4 | 23.7 |
| | 4H | 23.1 | 23.8 | 23.4 | 24.1 | 24.4 | 22.3 | 23.1 | 22.7 | 23.4 | 23.7 |
| | 6H | 23.4 | 24.1 | 23.7 | 24.4 | 24.7 | 22.3 | 23.0 | 22.7 | 23.3 | 23.7 |
| | 8H | 23.5 | 24.1 | 23.9 | 24.5 | 24.8 | 22.3 | 23.0 | 22.7 | 23.3 | 23.6 |
| | 12H | 23.5 | 24.2 | 23.9 | 24.5 | 24.9 | 22.3 | 22.9 | 22.7 | 23.3 | 23.6 |
| | | | | | | | | | | | |
| 4H | 2H | 22.3 | 23.1 | 22.7 | 23.4 | 23.7 | 23.1 | 23.8 | 23.4 | 24.1 | 24.4 |
| | 3H | 23.1 | 23.8 | 23.5 | 24.1 | 24.5 | 23.4 | 24.1 | 23.8 | 24.4 | 24.8 |
| | 4H | 23.6 | 24.2 | 24.0 | 24.5 | 24.9 | 23.6 | 24.2 | 24.0 | 24.5 | 24.9 |
| | 6H | 24.0 | 24.5 | 24.5 | 24.9 | 25.4 | 23.7 | 24.2 | 24.2 | 24.6 | 25.1 |
| | 8H | 24.2 | 24.6 | 24.6 | 25.1 | 25.5 | 23.8 | 24.2 | 24.2 | 24.6 | 25.1 |
| | 12H | 24.3 | 24.7 | 24.7 | 25.1 | 25.6 | 23.8 | 24.2 | 24.2 | 24.6 | 25.1 |
| | | | | | | | | | | | |
| 8H | 4H | 23.8 | 24.2 | 24.2 | 24.6 | 25.1 | 24.2 | 24.6 | 24.6 | 25.1 | 25.5 |
| | 6H | 24.3 | 24.7 | 24.8 | 25.2 | 25.6 | 24.5 | 24.8 | 24.9 | 25.3 | 25.8 |
| | 8H | 24.6 | 24.9 | 25.0 | 25.4 | 25.9 | 24.6 | 24.9 | 25.0 | 25.4 | 25.9 |
| | 12H | 24.7 | 25.0 | 25.2 | 25.5 | 26.0 | 24.6 | 24.9 | 25.1 | 25.4 | 25.9 |
| | | | | | | | | | | | |
| 12H | 4H | 23.8 | 24.2 | 24.2 | 24.6 | 25.1 | 24.3 | 24.7 | 24.7 | 25.1 | 25.6 |
| | 6H | 24.4 | 24.7 | 24.9 | 25.2 | 25.7 | 24.6 | 24.9 | 25.1 | 25.4 | 25.9 |
| | 8H | 24.6 | 24.9 | 25.1 | 25.4 | 25.9 | 24.7 | 25.0 | 25.2 | 25.5 | 26.0 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 0.6 / -0.8 | | | | | 0.6 / -0.8 | | | | |
| | 1.5H | 1.5 / -1.2 | | | | | 1.5 / -1.2 | | | | |
| | 2.0H | 2.7 / -1.4 | | | | | 2.7 / -1.4 | | | | |