

Last information update: April 2025

Product configuration: RM07.83

RM07.83: Ø 225 mm - warm white - DALI - Black Transparent

**Product code**

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Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Prismatic thermoplastic reflector complete with flux enhancer. 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 25 mm.

Colour

Black Transparent (83)

Weight (Kg)

1.15

Mounting

ceiling surface

Wiring

product complete with DALI components

Notes

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|-------|---------------------------------------|---------------------------------|
| Im system: | 2720 | Colour temperature [K]: | 3500 |
| W system: | 25.3 | MacAdam Step: | 2 |
| Im source: | 3200 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 22 | Lamp code: | LED |
| Luminous efficiency (lm/W, real value): | 107.5 | Number of lamps for optical assembly: | 1 |
| Im 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 | | |

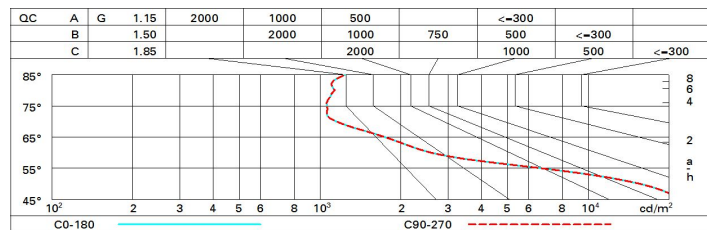
Polar

| | Lux | | | |
|---|------|-----|-----|------|
| | h | d | Em | Emax |
| | 2 | 3.2 | 322 | 430 |
| | 4 | 6.4 | 81 | 107 |
| | 6 | 9.5 | 36 | 48 |
| 8 | 12.7 | 20 | 27 | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 68 | 62 | 58 | 54 | 61 | 57 | 57 | 53 | 62 |
| 1.0 | 73 | 67 | 63 | 61 | 66 | 63 | 62 | 58 | 69 |
| 1.5 | 79 | 75 | 72 | 69 | 74 | 71 | 70 | 67 | 79 |
| 2.0 | 83 | 80 | 77 | 75 | 79 | 76 | 75 | 72 | 85 |
| 2.5 | 85 | 83 | 81 | 79 | 81 | 79 | 78 | 75 | 89 |
| 3.0 | 87 | 85 | 83 | 81 | 83 | 82 | 80 | 78 | 91 |
| 4.0 | 88 | 86 | 85 | 84 | 85 | 84 | 82 | 80 | 94 |
| 5.0 | 89 | 87 | 86 | 85 | 86 | 85 | 83 | 81 | 95 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 3200 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: 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 | 19.4 | 20.2 | 19.7 | 20.4 | 20.7 | 19.4 | 20.2 | 19.7 | 20.4 | 20.7 |
| | 3H | 19.3 | 20.0 | 19.6 | 20.3 | 20.6 | 19.3 | 20.0 | 19.6 | 20.3 | 20.6 |
| | 4H | 19.2 | 19.9 | 19.5 | 20.2 | 20.5 | 19.2 | 19.9 | 19.6 | 20.2 | 20.5 |
| | 6H | 19.1 | 19.8 | 19.5 | 20.1 | 20.4 | 19.1 | 19.8 | 19.5 | 20.1 | 20.4 |
| | 8H | 19.1 | 19.7 | 19.5 | 20.0 | 20.4 | 19.1 | 19.7 | 19.5 | 20.0 | 20.4 |
| | 12H | 19.1 | 19.6 | 19.5 | 20.0 | 20.3 | 19.1 | 19.6 | 19.5 | 20.0 | 20.3 |
| 4H | 2H | 19.2 | 19.9 | 19.6 | 20.2 | 20.5 | 19.2 | 19.9 | 19.5 | 20.2 | 20.5 |
| | 3H | 19.1 | 19.7 | 19.5 | 20.0 | 20.4 | 19.1 | 19.7 | 19.5 | 20.0 | 20.4 |
| | 4H | 19.0 | 19.5 | 19.5 | 19.9 | 20.3 | 19.0 | 19.5 | 19.5 | 19.9 | 20.3 |
| | 6H | 19.0 | 19.4 | 19.4 | 19.8 | 20.3 | 19.0 | 19.4 | 19.4 | 19.8 | 20.2 |
| | 8H | 19.0 | 19.4 | 19.4 | 19.8 | 20.2 | 18.9 | 19.3 | 19.4 | 19.8 | 20.2 |
| | 12H | 18.9 | 19.3 | 19.4 | 19.7 | 20.2 | 18.9 | 19.3 | 19.3 | 19.7 | 20.1 |
| 8H | 4H | 18.9 | 19.3 | 19.4 | 19.8 | 20.2 | 19.0 | 19.4 | 19.4 | 19.8 | 20.2 |
| | 6H | 18.9 | 19.2 | 19.4 | 19.7 | 20.1 | 18.9 | 19.2 | 19.4 | 19.7 | 20.2 |
| | 8H | 18.9 | 19.1 | 19.3 | 19.6 | 20.1 | 18.9 | 19.1 | 19.3 | 19.6 | 20.1 |
| | 12H | 18.8 | 19.1 | 19.3 | 19.6 | 20.1 | 18.8 | 19.1 | 19.3 | 19.5 | 20.1 |
| 12H | 4H | 18.9 | 19.3 | 19.3 | 19.7 | 20.1 | 18.9 | 19.3 | 19.4 | 19.7 | 20.2 |
| | 6H | 18.8 | 19.1 | 19.3 | 19.6 | 20.1 | 18.9 | 19.1 | 19.4 | 19.6 | 20.1 |
| | 8H | 18.8 | 19.1 | 19.3 | 19.5 | 20.1 | 18.8 | 19.1 | 19.3 | 19.6 | 20.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 1.5 / -4.5 | | | | | 1.5 / -4.5 | | | | |
| | 1.5H | 3.2 / -8.6 | | | | | 3.2 / -8.6 | | | | |
| | 2.0H | 5.1 / -9.7 | | | | | 5.1 / -9.7 | | | | |