

Last information update: February 2025

Product configuration: RD23.D8

RD23.D8: 6-cell recessed luminaire - General Lighting - DALI - White / transparent

**Product code**

RD23.D8: 6-cell recessed luminaire - General Lighting - DALI - White / transparent

Technical description

Recessed luminaire consisting of a lamp device, 6-cell emission raster and operating components. Version for high emission general lighting. LED lamps with high color rendering index. Main body made of extruded aluminium - anodised finish - cast zamak end caps - natural finish. Polycarbonate LED lamp support. Steel wire fixing springs. The optical system consists of a translucent textured methacrylate raster, created with a catadioptric system (patented Opti Beam Diamond optic) - with no galvanic treatments - combined with a gloss finish PET cover. The raster includes multiple lens diaphragms for LED lamps. The result generates a high performance light emission combined with a high energy yield. DALI dimmable driver connected to the luminaire.

Installation

recessed with steel wire contrast springs; slot to make in false ceiling: 63 x 363

Colour

White Transparent (D8)

Weight (Kg)

0.8

Mounting

ceiling recessed

Wiring

complete with integrated DALI power supply; quick-coupling connections on driver.

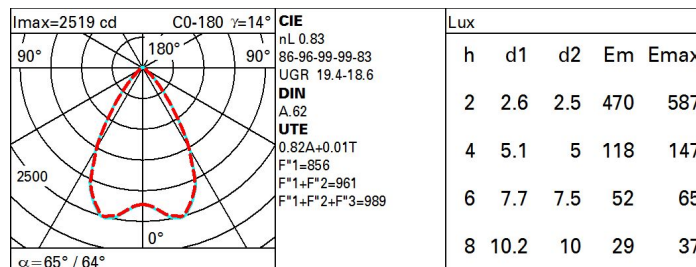
Notes

The product can be connected to centralised emergency systems in compliance with the EN60598-2-22 standard. TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Technical data**

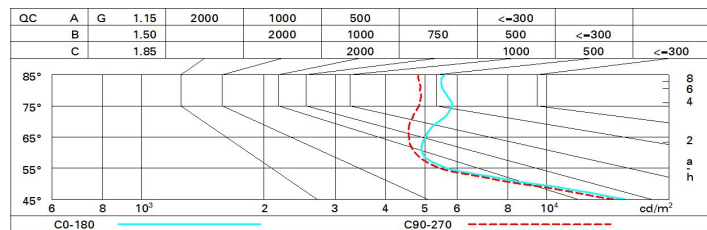
| | | | |
|--|-------|---------------------------------------|---------------------------------|
| Im system: | 2963 | Colour temperature [K]: | 3500 |
| W system: | 25.1 | MacAdam Step: | 3 |
| Im source: | 3570 | Life Time LED 1: | > 50,000h - L85 - B10 (Ta 25°C) |
| W source: | 22 | Lamp code: | LED |
| Luminous efficiency (Im/W, real value): | 118.1 | 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]: | 41 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 83 | Control: | DALI-2 |
| CRI (minimum): | 90 | | |

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 69 | 64 | 60 | 57 | 63 | 59 | 59 | 55 | 68 |
| 1.0 | 73 | 68 | 65 | 62 | 67 | 64 | 64 | 60 | 73 |
| 1.5 | 78 | 75 | 72 | 69 | 73 | 71 | 70 | 66 | 81 |
| 2.0 | 81 | 79 | 76 | 74 | 77 | 75 | 74 | 71 | 87 |
| 2.5 | 83 | 81 | 79 | 78 | 80 | 78 | 77 | 74 | 90 |
| 3.0 | 85 | 83 | 81 | 80 | 81 | 80 | 79 | 76 | 93 |
| 4.0 | 86 | 85 | 84 | 82 | 83 | 82 | 81 | 78 | 95 |
| 5.0 | 87 | 86 | 85 | 84 | 84 | 83 | 82 | 79 | 96 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 3570 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav 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 | 17.9 | 18.5 | 18.2 | 18.8 | 19.1 | 17.7 | 18.4 | 18.0 | 18.6 | 18.9 |
| | 3H | 18.3 | 18.9 | 18.6 | 19.1 | 19.5 | 17.7 | 18.3 | 18.1 | 18.6 | 18.9 |
| | 4H | 18.6 | 19.1 | 18.9 | 19.4 | 19.7 | 17.7 | 18.2 | 18.1 | 18.6 | 18.9 |
| | 6H | 18.8 | 19.3 | 19.2 | 19.7 | 20.0 | 17.7 | 18.2 | 18.1 | 18.5 | 18.9 |
| | 8H | 18.9 | 19.4 | 19.3 | 19.8 | 20.1 | 17.7 | 18.1 | 18.1 | 18.5 | 18.9 |
| | 12H | 19.0 | 19.5 | 19.4 | 19.8 | 20.2 | 17.6 | 18.1 | 18.0 | 18.5 | 18.8 |
| | | | | | | | | | | | |
| 4H | 2H | 17.9 | 18.4 | 18.2 | 18.7 | 19.1 | 18.2 | 18.7 | 18.6 | 19.1 | 19.4 |
| | 3H | 18.4 | 18.9 | 18.8 | 19.2 | 19.6 | 18.4 | 18.8 | 18.8 | 19.2 | 19.6 |
| | 4H | 18.8 | 19.3 | 19.3 | 19.6 | 20.1 | 18.5 | 18.9 | 18.9 | 19.3 | 19.7 |
| | 6H | 19.3 | 19.6 | 19.7 | 20.0 | 20.5 | 18.5 | 18.9 | 19.0 | 19.3 | 19.8 |
| | 8H | 19.4 | 19.8 | 19.9 | 20.2 | 20.7 | 18.6 | 18.9 | 19.0 | 19.3 | 19.8 |
| | 12H | 19.6 | 19.9 | 20.0 | 20.3 | 20.8 | 18.6 | 18.9 | 19.0 | 19.3 | 19.8 |
| | | | | | | | | | | | |
| 8H | 4H | 18.9 | 19.3 | 19.4 | 19.7 | 20.2 | 19.0 | 19.3 | 19.4 | 19.7 | 20.2 |
| | 6H | 19.5 | 19.8 | 20.0 | 20.2 | 20.7 | 19.2 | 19.5 | 19.7 | 19.9 | 20.4 |
| | 8H | 19.7 | 20.0 | 20.2 | 20.5 | 21.0 | 19.3 | 19.5 | 19.8 | 20.0 | 20.5 |
| | 12H | 20.0 | 20.2 | 20.5 | 20.7 | 21.2 | 19.4 | 19.6 | 19.9 | 20.1 | 20.6 |
| | | | | | | | | | | | |
| 12H | 4H | 18.9 | 19.2 | 19.4 | 19.7 | 20.2 | 19.1 | 19.4 | 19.6 | 19.8 | 20.3 |
| | 6H | 19.5 | 19.7 | 20.0 | 20.2 | 20.8 | 19.3 | 19.6 | 19.9 | 20.1 | 20.6 |
| | 8H | 19.8 | 20.0 | 20.3 | 20.5 | 21.0 | 19.5 | 19.7 | 20.0 | 20.2 | 20.8 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 1.6 / -1.5 | | | | | 1.8 / -1.6 | | | | |
| | 1.5H | 3.4 / -1.8 | | | | | 3.6 / -1.9 | | | | |
| | 2.0H | 5.0 / -1.9 | | | | | 5.3 / -2.1 | | | | |