# Crystal

**Design iGuzzini** **iGuzzini**

Last information update: February 2026

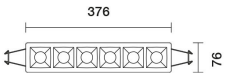
**Product configuration: RE72.D8**
RE72.D8: 6-cell recessed luminaire - MEDIUM beam - DALI - 23.5W 2713.2lm - 4000K - CRI 90 - White Transparent

**Product code**
RE72.D8: 6-cell recessed luminaire - MEDIUM beam - DALI - 23.5W 2713.2lm - 4000K - CRI 90 - White Transparent

**Technical description**
Recessed luminaire consisting of a lamp device, 6-cell emission raster and operating components. Version with focused optics - medium opening. 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, designed to obtain an emission with a concentrated flux, recommended for lighting environments with a linear layout (e.g. corridors, galleries and aisles). DALI dimmable driver connected to the luminaire.

TPa version available on request, contact iGuzzini for more info

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


| Colour | Weight (Kg) |
|---|---|
| White Transparent (D8) | 1 |

**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.
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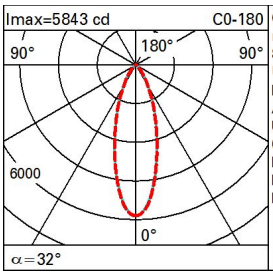
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2856 | Rf (Colour Fidelity Index): | 88 |
| W system: | 23.5 | Rg (Gamut Index): | 95 |
| lm source: | 3570 | Colour temperature [K]: | 4000 |
| W source: | 20 | MacAdam Step: | 3 |
| Luminous efficiency (lm/W, real value): | 121.5 | Life Time LED 1: | > 50,000h - L85 - B10 (Ta 25°C) |
| lm in emergency mode: | - | Lamp code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 37 | Number of lamps for optical assembly: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 80 | ZVEI Code: | LED |
| Beam angle [°]: | 32° | Number of optical assemblies: | 1 |
| CRI (minimum): | 90 | Control: | DALI-2 |

**Polar**




**CIE**
nL 0.80
88-96-99-99-80
UGR 18.0-17.0
**DIN**
A.62
**UTE**
0.79A+0.01T
F"1=879
F"1+F"2=963
F"1+F"2+F"3=990

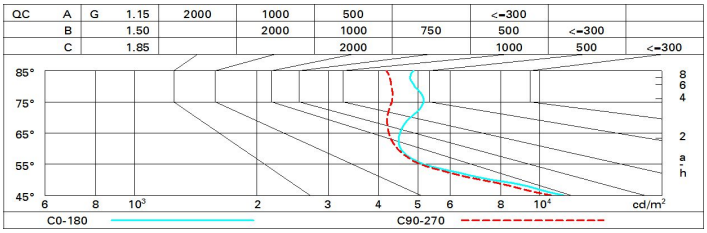
Lux

| h | d1 | d2 | Em | Emax |
|---|---|---|---|---|
| 2 | 1.2 | 1.1 | 1116 | 1461 |
| 4 | 2.3 | 2.3 | 279 | 365 |
| 6 | 3.5 | 3.4 | 124 | 162 |
| 8 | 4.6 | 4.6 | 70 | 91 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 67 | 63 | 59 | 57 | 62 | 59 | 58 | 55 | 69 |
| 1.0 | 71 | 67 | 64 | 61 | 66 | 63 | 62 | 59 | 75 |
| 1.5 | 76 | 73 | 70 | 68 | 71 | 69 | 68 | 65 | 82 |
| 2.0 | 79 | 76 | 74 | 72 | 75 | 73 | 72 | 69 | 88 |
| 2.5 | 81 | 79 | 77 | 76 | 77 | 76 | 75 | 72 | 91 |
| 3.0 | 82 | 80 | 79 | 78 | 79 | 78 | 76 | 74 | 93 |
| 4.0 | 83 | 82 | 81 | 80 | 80 | 80 | 78 | 76 | 96 |
| 5.0 | 84 | 83 | 82 | 81 | 81 | 81 | 79 | 77 | 97 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 3570 lm bare lamp luminous flux)

| Riflect.: ceil/cav | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | | | viewed crosswise | | | | | viewed endwise | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 15.7 | 16.4 | 16.0 | 16.7 | 16.9 | 15.5 | 16.2 | 15.8 | 16.5 | 16.7 |
| | 3H | 16.3 | 16.9 | 16.6 | 17.2 | 17.5 | 15.5 | 16.2 | 15.9 | 16.5 | 16.8 |
| | 4H | 16.7 | 17.3 | 17.1 | 17.6 | 18.0 | 15.6 | 16.2 | 15.9 | 16.5 | 16.8 |
| | 6H | 17.1 | 17.6 | 17.5 | 18.0 | 18.3 | 15.6 | 16.1 | 15.9 | 16.5 | 16.8 |
| | 8H | 17.2 | 17.8 | 17.6 | 18.1 | 18.5 | 15.6 | 16.1 | 15.9 | 16.5 | 16.8 |
| | 12H | 17.3 | 17.8 | 17.7 | 18.2 | 18.6 | 15.5 | 16.1 | 15.9 | 16.4 | 16.8 |
| 4H | 2H | 15.7 | 16.4 | 16.1 | 16.7 | 17.0 | 16.3 | 16.9 | 16.7 | 17.2 | 17.6 |
| | 3H | 16.6 | 17.1 | 17.0 | 17.5 | 17.9 | 16.6 | 17.1 | 17.0 | 17.5 | 17.9 |
| | 4H | 17.2 | 17.6 | 17.6 | 18.0 | 18.4 | 16.8 | 17.2 | 17.2 | 17.6 | 18.0 |
| | 6H | 17.7 | 18.1 | 18.2 | 18.6 | 19.0 | 16.9 | 17.3 | 17.4 | 17.7 | 18.2 |
| | 8H | 18.0 | 18.3 | 18.4 | 18.8 | 19.2 | 17.0 | 17.3 | 17.4 | 17.8 | 18.2 |
| | 12H | 18.1 | 18.5 | 18.6 | 18.9 | 19.4 | 17.0 | 17.3 | 17.4 | 17.8 | 18.2 |
| 8H | 4H | 17.3 | 17.7 | 17.8 | 18.1 | 18.6 | 17.4 | 17.8 | 17.9 | 18.3 | 18.7 |
| | 6H | 18.1 | 18.4 | 18.5 | 18.8 | 19.3 | 17.7 | 18.1 | 18.2 | 18.5 | 19.0 |
| | 8H | 18.3 | 18.6 | 18.9 | 19.1 | 19.6 | 17.9 | 18.2 | 18.4 | 18.6 | 19.2 |
| | 12H | 18.6 | 18.8 | 19.1 | 19.3 | 19.9 | 18.0 | 18.2 | 18.5 | 18.7 | 19.3 |
| 12H | 4H | 17.3 | 17.7 | 17.8 | 18.1 | 18.6 | 17.6 | 17.9 | 18.1 | 18.4 | 18.9 |
| | 6H | 18.1 | 18.4 | 18.6 | 18.8 | 19.4 | 17.9 | 18.2 | 18.5 | 18.7 | 19.2 |
| | 8H | 18.4 | 18.7 | 19.0 | 19.2 | 19.7 | 18.1 | 18.4 | 18.7 | 18.9 | 19.4 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 0.9 / -0.9 | 1.0 / -0.9 |
| | 1.5H | 2.2 / -1.2 | 2.4 / -1.3 |
| | 2.0H | 3.5 / -1.3 | 3.7 / -1.4 |