

Light Shed 14

Design iGuzzini

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Last information update: April 2025

Product configuration: R945.G0

R945.G0: L=1591 mm - DALI - UP/DOWN emission - White / clear space



Product code

R945.G0: L=1591 mm - DALI - UP/DOWN emission - White / clear space

Technical description

Luminaire L = 1591 mm complete with LED lamp in warm white colour tone 3000K. Body made of extruded painted aluminium and a thermoplastic raster with a white finish or a patented "Opti Diamond" technology, translucent textured thermoplastic raster created with a catadioptric system and no galvanic treatments. Product with high efficiency up/down emission LED, 50% up - 50% down, UGR<19 L<3000 cd/mq $\alpha > 65^\circ$ emission, for use in environments with video monitors in compliance with EN 12464-1. The DALI driver is housed in the upper part of the luminaire. Possibility of pendant installation using kit to be ordered separately as an accessory. The luminaire can be installed individually or in a continuous line, creating an uninterrupted light line.

Installation

Pendant installation using a kit to be ordered separately.

Colour

White/White Transparent (G0)

Weight (Kg)

5.05

Mounting

ceiling surface

Wiring

Product complete with DALI components. Possibility of integrating ILS components available as accessories. The electrical cables used are made of a "halogen free" material.

Notes

The accessory kit for pendant installations includes a pair of end caps for individual installations.

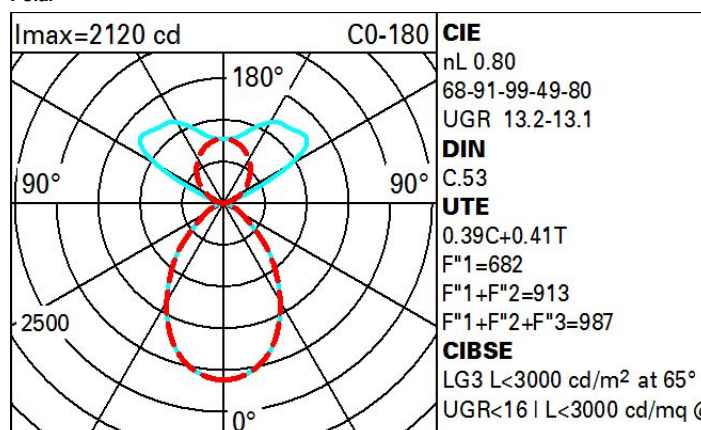
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|---------------------------------|--|--|
| Im system: | 6760 | Voltage [Vin]: | 230 |
| W system: | 55.9 | Lamp code: | LED |
| Im source: | 8450 | Number of lamps for optical assembly: | 1 |
| W source: | 50 | ZVEI Code: | LED |
| Luminous efficiency (Im/W, real value): | 120.9 | Number of optical assemblies: | 1 |
| Im in emergency mode: | - | Power factor: | See installation instructions |
| Total light flux at or above an angle of 90° [Lm]: | 3452 | Inrush current: | 10 A / - μ s |
| Light Output Ratio (L.O.R.) [%]: | 80 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires |
| CRI (minimum): | 90 | Minimum dimming %: | 1 |
| Colour temperature [K]: | 3000 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| MacAdam Step: | 3 | Control: | DALI-2 |
| Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) | | |

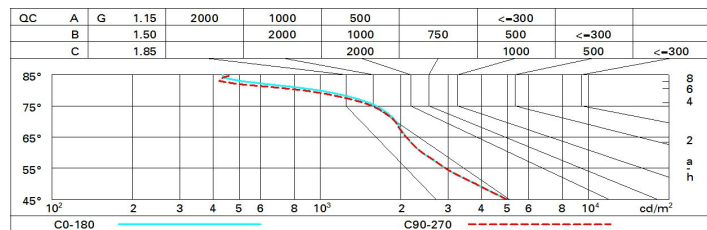
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 47 | 41 | 36 | 33 | 36 | 32 | 29 | 21 | 55 |
| 1.0 | 52 | 46 | 41 | 38 | 40 | 37 | 32 | 24 | 62 |
| 1.5 | 58 | 53 | 49 | 46 | 46 | 43 | 38 | 28 | 72 |
| 2.0 | 62 | 58 | 55 | 52 | 50 | 48 | 41 | 31 | 80 |
| 2.5 | 64 | 61 | 58 | 56 | 53 | 51 | 44 | 33 | 84 |
| 3.0 | 66 | 63 | 60 | 58 | 54 | 53 | 45 | 34 | 87 |
| 4.0 | 67 | 65 | 63 | 61 | 56 | 55 | 47 | 35 | 90 |
| 5.0 | 69 | 67 | 65 | 64 | 58 | 56 | 48 | 36 | 92 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 8450 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 | 11.8 | 12.4 | 12.7 | 13.3 | 14.4 | 11.8 | 12.4 | 12.7 | 13.3 | 14.4 |
| | 3H | 12.4 | 12.9 | 13.4 | 13.8 | 15.0 | 11.9 | 12.4 | 12.9 | 13.3 | 14.5 |
| | 4H | 12.6 | 13.1 | 13.6 | 14.0 | 15.2 | 11.9 | 12.4 | 12.9 | 13.3 | 14.5 |
| | 6H | 12.7 | 13.1 | 13.7 | 14.1 | 15.3 | 11.9 | 12.3 | 12.8 | 13.3 | 14.5 |
| | 8H | 12.7 | 13.1 | 13.6 | 14.0 | 15.3 | 11.8 | 12.2 | 12.8 | 13.2 | 14.4 |
| | 12H | 12.6 | 13.0 | 13.6 | 14.0 | 15.2 | 11.8 | 12.2 | 12.8 | 13.1 | 14.4 |
| | | | | | | | | | | | |
| 4H | 2H | 12.0 | 12.4 | 12.9 | 13.4 | 14.6 | 12.6 | 13.0 | 13.5 | 14.0 | 15.2 |
| | 3H | 12.8 | 13.1 | 13.7 | 14.1 | 15.4 | 12.9 | 13.3 | 13.9 | 14.2 | 15.5 |
| | 4H | 13.1 | 13.4 | 14.1 | 14.4 | 15.7 | 13.0 | 13.3 | 14.0 | 14.3 | 15.6 |
| | 6H | 13.2 | 13.5 | 14.2 | 14.5 | 15.8 | 13.1 | 13.4 | 14.1 | 14.4 | 15.7 |
| | 8H | 13.2 | 13.4 | 14.2 | 14.4 | 15.8 | 13.1 | 13.3 | 14.1 | 14.4 | 15.7 |
| | 12H | 13.1 | 13.3 | 14.1 | 14.4 | 15.7 | 13.0 | 13.3 | 14.1 | 14.3 | 15.6 |
| | | | | | | | | | | | |
| 8H | 4H | 13.1 | 13.4 | 14.2 | 14.4 | 15.7 | 13.1 | 13.3 | 14.1 | 14.3 | 15.7 |
| | 6H | 13.3 | 13.6 | 14.4 | 14.6 | 15.9 | 13.2 | 13.4 | 14.2 | 14.4 | 15.8 |
| | 8H | 13.3 | 13.5 | 14.4 | 14.5 | 15.9 | 13.2 | 13.4 | 14.2 | 14.4 | 15.8 |
| | 12H | 13.3 | 13.4 | 14.3 | 14.5 | 15.8 | 13.2 | 13.3 | 14.2 | 14.4 | 15.7 |
| | | | | | | | | | | | |
| 12H | 4H | 13.1 | 13.3 | 14.1 | 14.3 | 15.7 | 13.0 | 13.2 | 14.0 | 14.3 | 15.6 |
| | 6H | 13.3 | 13.5 | 14.3 | 14.5 | 15.9 | 13.1 | 13.3 | 14.2 | 14.4 | 15.7 |
| | 8H | 13.3 | 13.4 | 14.3 | 14.5 | 15.8 | 13.2 | 13.3 | 14.2 | 14.4 | 15.7 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 0.4 / -0.7 | | | | | 0.4 / -0.7 | | | | |
| | 1.5H | 1.1 / -1.4 | | | | | 1.1 / -1.4 | | | | |
| | 2.0H | 2.2 / -1.7 | | | | | 2.2 / -1.8 | | | | |