

Light Shed 14

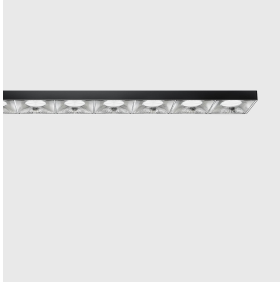
Design iGuzzini

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Last information update: April 2025

Product configuration: R930.G2

R930.G2: L=1591 mm - DALI - down emission - Black / clear space



Product code

R930.G2: L=1591 mm - DALI - down emission - Black / clear space

Technical description

Luminaire L = 1591 mm complete with LED lamp in neutral white colour tone 4000K. 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 down emission LED $UGR < 19$ $L < 3000$ 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 or surface-mounted 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 or surface-mounted installation using a kit to be ordered separately.

Colour

Black/White Transparent (G2)

Weight (Kg)

4.97

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.

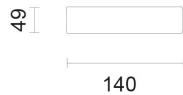
Notes

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

Complies with EN60598-1 and pertinent regulations



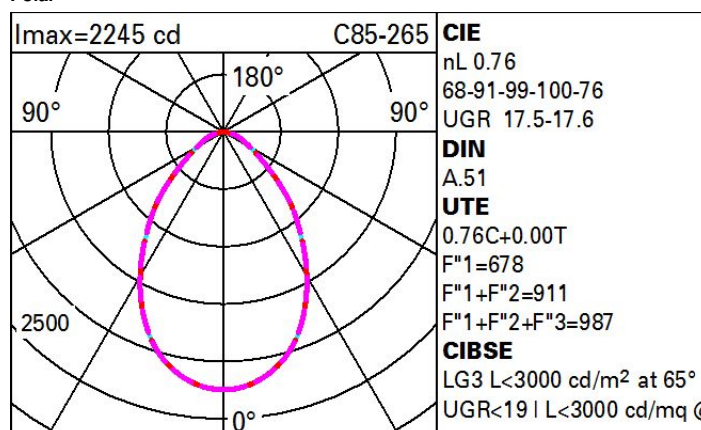
IP20



Technical data

| | | | |
|--|---------------------------------|--|--|
| Im system: | 3534 | Voltage [Vin]: | 230 |
| W system: | 24.1 | Lamp code: | LED |
| Im source: | 4650 | Number of lamps for optical assembly: | 1 |
| W source: | 21 | ZVEI Code: | LED |
| Luminous efficiency (Im/W, real value): | 146.6 | 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]: | 0 | Inrush current: | 10 A / 220 μ s |
| Light Output Ratio (L.O.R.) [%]: | 76 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires |
| CRI (minimum): | 80 | Minimum dimming %: | 1 |
| Colour temperature [K]: | 4000 | 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) | | |

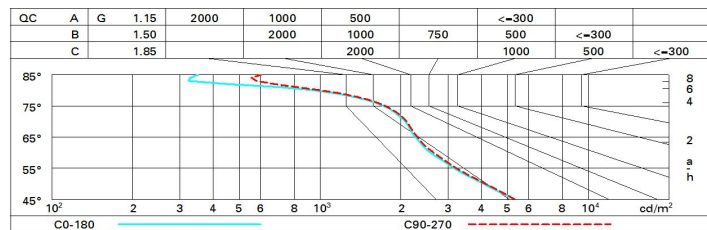
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 57 | 51 | 46 | 43 | 50 | 46 | 45 | 41 | 54 |
| 1.0 | 62 | 56 | 52 | 49 | 55 | 51 | 51 | 47 | 61 |
| 1.5 | 68 | 64 | 60 | 57 | 63 | 59 | 59 | 55 | 72 |
| 2.0 | 72 | 68 | 66 | 63 | 67 | 65 | 64 | 60 | 79 |
| 2.5 | 74 | 71 | 69 | 67 | 70 | 68 | 67 | 64 | 84 |
| 3.0 | 76 | 73 | 71 | 70 | 72 | 70 | 69 | 66 | 87 |
| 4.0 | 77 | 75 | 74 | 72 | 74 | 73 | 71 | 69 | 90 |
| 5.0 | 78 | 77 | 75 | 74 | 75 | 74 | 73 | 70 | 92 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 4050 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|-----|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 15.8 | 16.7 | 16.1 | 16.9 | 17.2 | 15.8 | 16.7 | 16.1 | 17.0 | 17.2 |
| | 3H | 16.5 | 17.3 | 16.8 | 17.6 | 17.9 | 16.1 | 16.9 | 16.4 | 17.2 | 17.4 |
| | 4H | 16.7 | 17.5 | 17.1 | 17.8 | 18.1 | 16.1 | 16.9 | 16.5 | 17.2 | 17.5 |
| | 6H | 16.8 | 17.5 | 17.2 | 17.9 | 18.2 | 16.1 | 16.8 | 16.5 | 17.1 | 17.5 |
| | 8H | 16.8 | 17.5 | 17.2 | 17.8 | 18.2 | 16.1 | 16.8 | 16.5 | 17.1 | 17.5 |
| | 12H | 16.8 | 17.4 | 17.2 | 17.8 | 18.1 | 16.1 | 16.7 | 16.5 | 17.1 | 17.4 |
| 4H | 2H | 16.1 | 16.8 | 16.4 | 17.1 | 17.4 | 16.8 | 17.6 | 17.2 | 17.9 | 18.2 |
| | 3H | 17.0 | 17.6 | 17.4 | 18.0 | 18.3 | 17.2 | 17.9 | 17.6 | 18.2 | 18.6 |
| | 4H | 17.4 | 17.9 | 17.8 | 18.3 | 18.7 | 17.4 | 18.0 | 17.8 | 18.4 | 18.8 |
| | 6H | 17.5 | 18.0 | 17.9 | 18.4 | 18.8 | 17.6 | 18.0 | 18.0 | 18.4 | 18.9 |
| | 8H | 17.5 | 17.9 | 17.9 | 18.4 | 18.8 | 17.6 | 18.0 | 18.0 | 18.4 | 18.9 |
| | 12H | 17.5 | 17.9 | 17.9 | 18.3 | 18.8 | 17.5 | 18.0 | 18.0 | 18.4 | 18.8 |
| 8H | 4H | 17.5 | 18.0 | 17.9 | 18.4 | 18.8 | 17.6 | 18.0 | 18.0 | 18.5 | 18.9 |
| | 6H | 17.7 | 18.1 | 18.2 | 18.5 | 19.0 | 17.8 | 18.1 | 18.2 | 18.6 | 19.1 |
| | 8H | 17.7 | 18.0 | 18.2 | 18.5 | 19.0 | 17.8 | 18.1 | 18.3 | 18.6 | 19.1 |
| | 12H | 17.7 | 17.9 | 18.2 | 18.4 | 19.0 | 17.8 | 18.1 | 18.3 | 18.6 | 19.1 |
| 12H | 4H | 17.5 | 17.9 | 17.9 | 18.3 | 18.8 | 17.6 | 18.0 | 18.0 | 18.4 | 18.9 |
| | 6H | 17.7 | 18.0 | 18.2 | 18.5 | 19.0 | 17.7 | 18.1 | 18.2 | 18.5 | 19.0 |
| | 8H | 17.7 | 18.0 | 18.2 | 18.5 | 19.0 | 17.8 | 18.1 | 18.3 | 18.6 | 19.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 1.0H | | | | | 0.4 / -0.7 | | | | |
| | | 1.5H | | | | | 1.1 / -1.4 | | | | |
| | | 2.0H | | | | | 2.2 / -1.8 | | | | |