

## Light Shed 14

Design iGuzzini

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### Product configuration: R946.G0

R946.G0: L=1591 mm - DALI - UP/DOWN emission - White / clear space



### Product code

R946.G0: L=1591 mm - DALI - UP/DOWN emission - White / 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 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



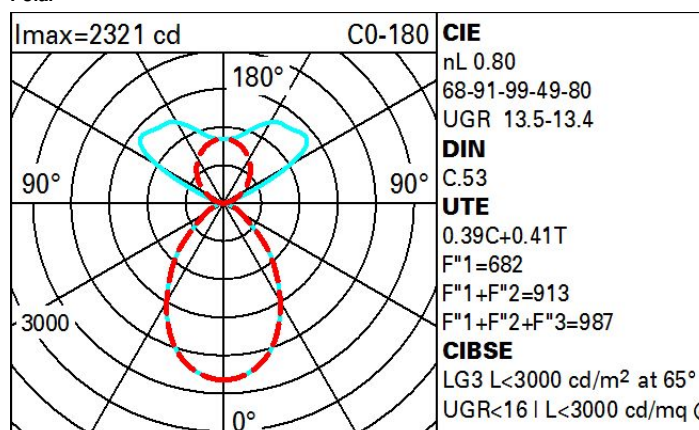
IP20



### Technical data

|  |                                 |  |  |
|--|---------------------------------|--|--|
| Im system:   | 7400                            | Voltage [Vin]:   | 230  |
| W system:  | 47.1                            | Lamp code:   | LED  |
| Im source:   | 9250                            | Number of lamps for optical assembly:                                    | 1  |
| W source:  | 42                              | ZVEI Code:   | LED  |
| Luminous efficiency (Im/W, real value):            | 157.1                           | 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]: | 3778                            | Inrush current:  | 10 A / - $\mu$ s   |
| Light Output Ratio (L.O.R.) [%]:                   | 80                              | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 12 luminaires<br>B16A: 20 luminaires<br>C10A: 20 luminaires<br>C16A: 34 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) |  |  |

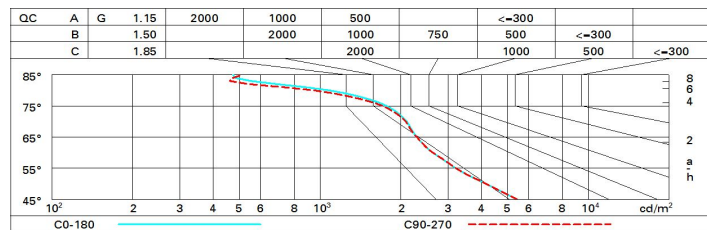
### Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 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 9250 lm bare lamp luminous flux)    |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling<br>walls<br>work pl.<br>Room dim<br>x y |      | viewed<br>crosswise |      |      |      |      | viewed<br>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   | 12.1                | 12.7 | 13.0 | 13.6 | 14.8 | 12.1              | 12.7 | 13.0 | 13.6 | 14.7 |
|  | 3H   | 12.7                | 13.2 | 13.7 | 14.2 | 15.3 | 12.2              | 12.7 | 13.2 | 13.7 | 14.9 |
|  | 4H   | 12.9                | 13.4 | 13.9 | 14.3 | 15.6 | 12.2              | 12.7 | 13.2 | 13.6 | 14.9 |
|  | 6H   | 13.0                | 13.4 | 14.0 | 14.4 | 15.6 | 12.2              | 12.6 | 13.2 | 13.6 | 14.8 |
|  | 8H   | 13.0                | 13.4 | 14.0 | 14.3 | 15.6 | 12.2              | 12.6 | 13.1 | 13.5 | 14.8 |
|  | 12H  | 12.9                | 13.3 | 13.9 | 14.3 | 15.5 | 12.1              | 12.5 | 13.1 | 13.5 | 14.7 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 4H   | 2H   | 12.3                | 12.7 | 13.2 | 13.7 | 14.9 | 12.9              | 13.4 | 13.8 | 14.3 | 15.5 |
|  | 3H   | 13.1                | 13.5 | 14.1 | 14.4 | 15.7 | 13.2              | 13.6 | 14.2 | 14.6 | 15.8 |
|  | 4H   | 13.4                | 13.7 | 14.4 | 14.7 | 16.0 | 13.3              | 13.7 | 14.3 | 14.6 | 15.9 |
|  | 6H   | 13.5                | 13.8 | 14.5 | 14.8 | 16.1 | 13.4              | 13.7 | 14.4 | 14.7 | 16.0 |
|  | 8H   | 13.5                | 13.8 | 14.5 | 14.8 | 16.1 | 13.4              | 13.7 | 14.4 | 14.7 | 16.0 |
|  | 12H  | 13.4                | 13.7 | 14.4 | 14.7 | 16.0 | 13.3              | 13.6 | 14.4 | 14.6 | 15.9 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 8H   | 4H   | 13.4                | 13.7 | 14.5 | 14.7 | 16.0 | 13.4              | 13.6 | 14.4 | 14.7 | 16.0 |
|  | 6H   | 13.6                | 13.9 | 14.7 | 14.9 | 16.2 | 13.5              | 13.7 | 14.5 | 14.7 | 16.1 |
|  | 8H   | 13.6                | 13.8 | 14.7 | 14.8 | 16.2 | 13.5              | 13.7 | 14.6 | 14.7 | 16.1 |
|  | 12H  | 13.6                | 13.7 | 14.6 | 14.8 | 16.1 | 13.5              | 13.6 | 14.5 | 14.7 | 16.1 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 12H  | 4H   | 13.4                | 13.6 | 14.4 | 14.7 | 16.0 | 13.3              | 13.6 | 14.3 | 14.6 | 15.9 |
|  | 6H   | 13.6                | 13.8 | 14.6 | 14.8 | 16.2 | 13.4              | 13.6 | 14.5 | 14.7 | 16.0 |
|  | 8H   | 13.6                | 13.7 | 14.6 | 14.8 | 16.2 | 13.5              | 13.6 | 14.5 | 14.7 | 16.0 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 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        |      |      |      |      |