# Light Shed dB 60

**Design iGuzzini** **iGuzzini**

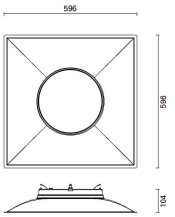
Last information update: May 2025

**Product configuration: RC84**
RC84: 596X596 - Sound-absorbent - neutral white - MPO screen UGR<19 - DALI

**Product code**
RC84: 596X596 - Sound-absorbent - neutral white - MPO screen UGR<19 - DALI

**Technical description**
596x596 mm luminaire for pendant installation or surface-mounted on a modular grille - LED lamp with high colour rendering index; 4000K neutral white colour tone emission. Body made of thermal insulating, sound-absorbent, 85% recycled polyester fibre material. OEKO-TEX certified, standard 100, class I, hypoallergenic, skin contact safe product. Waterproof, breathable, non putrescible panel. Product with high efficiency LED complete with MPO screen for UGR<19 L<3000 cd/mq α > 65° emission, for use in environments with video monitors in compliance with EN 12464-1. The DALI driver is free to be placed inside the the installation compartment as shown on the instruction sheet. Option of recessed installation in plasterboard ceilings using a frame to be ordered as an accessory. The product can be pendant-mounted using accessories to be ordered separately.

**Installation**
Surface-mounted on 600x600 mm modular panels. Recessed in plasterboard false ceilings using a frame accessory to be ordered separately. Pendant-mounted using accessories to be ordered separately.




**Colour**
White (01) | Grey (15) | Blue (16) | Light green (81)

**Weight (Kg)**
1.9

**Wiring**
Product complete with DALI components. The electrical cables used are made of a “halogen free” material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

**Notes**
See graph for acoustic calculation in Documentation Other colours and customised features are available on request.
TPb rated

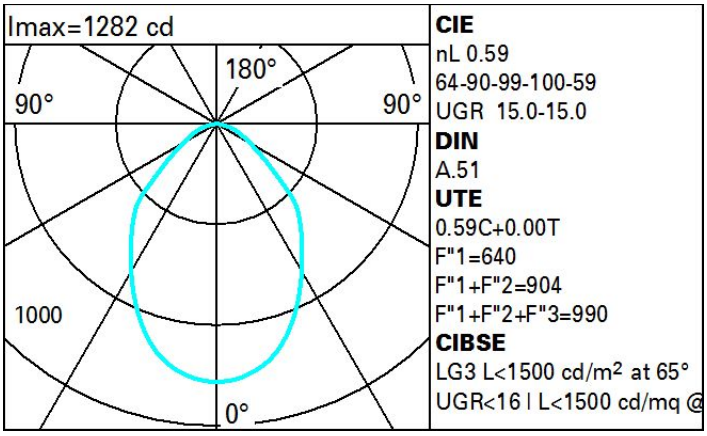
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2213 | Colour temperature [K]: | 4000 |
| W system: | 23.5 | MacAdam Step: | 3 |
| lm source: | 3750 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 21 | Voltage [Vin]: | 230 |
| Luminous efficiency (lm/W, real value): | 94.1 | Lamp code: | LED |
| lm in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 59 | Number of optical assemblies: | 1 |
| CRI (minimum): | 90 | Control: | DALI-2 |

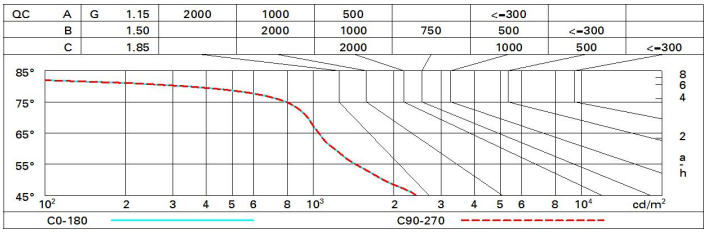
**Polar**



**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 43 | 38 | 35 | 32 | 37 | 34 | 34 | 30 | 52 |
| 1.0 | 47 | 42 | 39 | 36 | 42 | 38 | 38 | 35 | 59 |
| 1.5 | 52 | 49 | 46 | 43 | 48 | 45 | 45 | 42 | 70 |
| 2.0 | 55 | 53 | 50 | 48 | 52 | 49 | 49 | 46 | 78 |
| 2.5 | 57 | 55 | 53 | 51 | 54 | 52 | 51 | 49 | 83 |
| 3.0 | 58 | 57 | 55 | 53 | 55 | 54 | 53 | 51 | 86 |
| 4.0 | 60 | 58 | 57 | 56 | 57 | 56 | 55 | 53 | 90 |
| 5.0 | 61 | 59 | 58 | 57 | 58 | 57 | 56 | 54 | 92 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 3750 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 | 13.3 | 14.3 | 13.6 | 14.6 | 14.8 | 13.3 | 14.3 | 13.6 | 14.6 | 14.8 |
| | 3H | 14.1 | 15.0 | 14.4 | 15.2 | 15.5 | 13.5 | 14.4 | 13.9 | 14.7 | 15.0 |
| | 4H | 14.3 | 15.2 | 14.7 | 15.5 | 15.8 | 13.6 | 14.5 | 14.0 | 14.8 | 15.1 |
| | 6H | 14.4 | 15.2 | 14.8 | 15.5 | 15.8 | 13.6 | 14.4 | 14.0 | 14.7 | 15.1 |
| | 8H | 14.4 | 15.1 | 14.8 | 15.5 | 15.8 | 13.6 | 14.3 | 14.0 | 14.7 | 15.0 |
| | 12H | 14.3 | 15.1 | 14.7 | 15.4 | 15.8 | 13.6 | 14.3 | 13.9 | 14.6 | 15.0 |
| 4H | 2H | 13.6 | 14.5 | 14.0 | 14.8 | 15.1 | 14.3 | 15.2 | 14.7 | 15.5 | 15.8 |
| | 3H | 14.6 | 15.3 | 14.9 | 15.6 | 16.0 | 14.8 | 15.5 | 15.1 | 15.8 | 16.2 |
| | 4H | 14.9 | 15.5 | 15.3 | 15.9 | 16.3 | 14.9 | 15.5 | 15.3 | 15.9 | 16.3 |
| | 6H | 15.0 | 15.6 | 15.5 | 16.0 | 16.4 | 15.0 | 15.6 | 15.4 | 16.0 | 16.4 |
| | 8H | 15.0 | 15.5 | 15.5 | 15.9 | 16.4 | 15.0 | 15.5 | 15.5 | 15.9 | 16.4 |
| | 12H | 15.0 | 15.4 | 15.4 | 15.8 | 16.3 | 15.0 | 15.4 | 15.4 | 15.9 | 16.3 |
| 8H | 4H | 15.0 | 15.5 | 15.5 | 15.9 | 16.4 | 15.0 | 15.5 | 15.5 | 15.9 | 16.4 |
| | 6H | 15.2 | 15.6 | 15.6 | 16.0 | 16.5 | 15.1 | 15.5 | 15.6 | 16.0 | 16.5 |
| | 8H | 15.1 | 15.5 | 15.6 | 15.9 | 16.4 | 15.1 | 15.5 | 15.6 | 15.9 | 16.4 |
| | 12H | 15.1 | 15.4 | 15.6 | 15.9 | 16.4 | 15.1 | 15.4 | 15.6 | 15.9 | 16.4 |
| 12H | 4H | 15.0 | 15.4 | 15.4 | 15.9 | 16.3 | 15.0 | 15.4 | 15.4 | 15.8 | 16.3 |
| | 6H | 15.1 | 15.5 | 15.6 | 15.9 | 16.4 | 15.1 | 15.4 | 15.6 | 15.9 | 16.4 |
| | 8H | 15.1 | 15.4 | 15.6 | 15.9 | 16.4 | 15.1 | 15.4 | 15.6 | 15.9 | 16.4 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| 1.0H | 0.5 / -0.6 | 0.5 / -0.6 |
| 1.5H | 1.0 / -1.4 | 1.0 / -1.4 |
| 2.0H | 2.0 / -1.8 | 2.0 / -1.8 |