

## Laser Blade XL

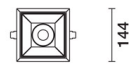
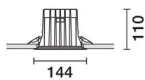
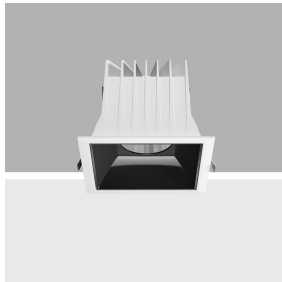
Design iGuzzini

iGuzzini

Last information update: April 2025

### Product configuration: P779.47

P779.47: Fixed recessed luminaire - Warm LED - DALI dimmable control gear - Wide Flood - Black / White



### Product code

P779.47: Fixed recessed luminaire - Warm LED - DALI dimmable control gear - Wide Flood - Black / White

### Technical description

Fixed optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire.

### Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 125 x 125. Installation possible in a horizontal position.

### Colour

Black / White (47)

### Weight (Kg)

0.86

### Mounting

ceiling recessed

### Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

### Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

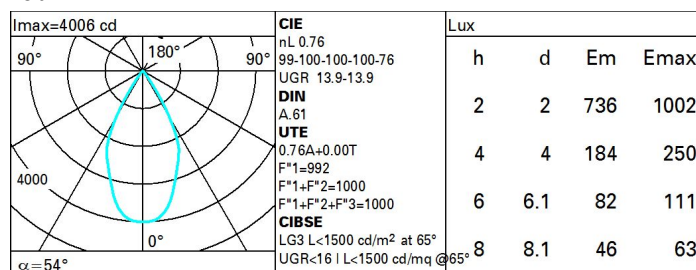
Complies with EN60598-1 and pertinent regulations



### Technical data

|  |      |                                       |                                 |
|--|------|---------------------------------------|---------------------------------|
| Im system:   | 2620 | CRI (minimum):                        | 90                              |
| W system:  | 32.1 | Colour temperature [K]:               | 3000                            |
| Im source:   | 3450 | MacAdam Step:                         | 2                               |
| W source:  | 28   | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value):            | 81.6 | Lamp code:                            | LED                             |
| Im 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.) [%]:                   | 76   | Number of optical assemblies:         | 1                               |
| Beam angle [°]:                                    | 54°  | Control:                              | DALI-2                          |

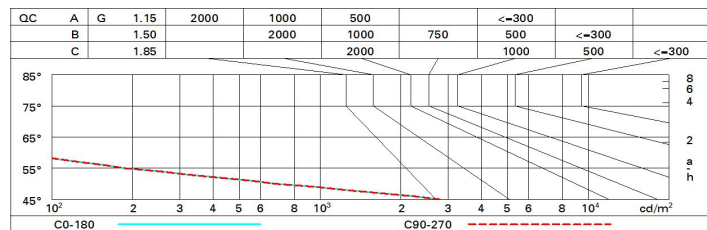
### Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 68 | 65 | 62 | 60 | 64 | 62 | 62 | 59 | 78  |
| 1.0  | 71 | 68 | 66 | 64 | 67 | 65 | 65 | 63 | 82  |
| 1.5  | 75 | 73 | 71 | 69 | 72 | 70 | 69 | 67 | 88  |
| 2.0  | 77 | 76 | 74 | 73 | 75 | 73 | 72 | 70 | 93  |
| 2.5  | 79 | 77 | 76 | 76 | 76 | 75 | 75 | 73 | 96  |
| 3.0  | 80 | 79 | 78 | 77 | 78 | 77 | 76 | 74 | 98  |
| 4.0  | 81 | 80 | 80 | 79 | 79 | 78 | 77 | 75 | 99  |
| 5.0  | 81 | 81 | 80 | 80 | 79 | 79 | 78 | 76 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 3450 lm bare lamp luminous flux)        |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<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   | 14.5                | 15.1 | 14.8 | 15.3 | 15.5 | 14.5              | 15.1 | 14.8 | 15.3 | 15.5 |
|  | 3H   | 14.4                | 14.9 | 14.7 | 15.1 | 15.4 | 14.4              | 14.9 | 14.7 | 15.1 | 15.4 |
|  | 4H   | 14.3                | 14.8 | 14.6 | 15.1 | 15.4 | 14.3              | 14.8 | 14.6 | 15.1 | 15.4 |
|  | 6H   | 14.2                | 14.7 | 14.6 | 15.0 | 15.3 | 14.2              | 14.7 | 14.6 | 15.0 | 15.3 |
|  | 8H   | 14.2                | 14.6 | 14.5 | 14.9 | 15.3 | 14.2              | 14.6 | 14.5 | 14.9 | 15.3 |
|  | 12H  | 14.1                | 14.5 | 14.5 | 14.9 | 15.2 | 14.1              | 14.5 | 14.5 | 14.9 | 15.2 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 4H   | 2H   | 14.3                | 14.8 | 14.6 | 15.1 | 15.4 | 14.3              | 14.8 | 14.6 | 15.1 | 15.4 |
|  | 3H   | 14.1                | 14.5 | 14.5 | 14.9 | 15.2 | 14.1              | 14.5 | 14.5 | 14.9 | 15.2 |
|  | 4H   | 14.0                | 14.4 | 14.4 | 14.8 | 15.2 | 14.0              | 14.4 | 14.4 | 14.8 | 15.2 |
|  | 6H   | 13.9                | 14.3 | 14.4 | 14.7 | 15.1 | 13.9              | 14.3 | 14.4 | 14.7 | 15.1 |
|  | 8H   | 13.9                | 14.2 | 14.3 | 14.6 | 15.0 | 13.9              | 14.2 | 14.3 | 14.6 | 15.0 |
|  | 12H  | 13.9                | 14.1 | 14.3 | 14.5 | 15.0 | 13.9              | 14.1 | 14.3 | 14.5 | 15.0 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 8H   | 4H   | 13.9                | 14.2 | 14.3 | 14.6 | 15.0 | 13.9              | 14.2 | 14.3 | 14.6 | 15.0 |
|  | 6H   | 13.8                | 14.0 | 14.3 | 14.5 | 15.0 | 13.8              | 14.0 | 14.3 | 14.5 | 15.0 |
|  | 8H   | 13.8                | 14.0 | 14.2 | 14.4 | 14.9 | 13.8              | 14.0 | 14.2 | 14.4 | 14.9 |
|  | 12H  | 13.7                | 13.9 | 14.2 | 14.4 | 14.9 | 13.7              | 13.9 | 14.2 | 14.4 | 14.9 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| 12H  | 4H   | 13.9                | 14.1 | 14.3 | 14.5 | 15.0 | 13.9              | 14.1 | 14.3 | 14.5 | 15.0 |
|  | 6H   | 13.8                | 14.0 | 14.2 | 14.4 | 14.9 | 13.8              | 14.0 | 14.2 | 14.4 | 14.9 |
|  | 8H   | 13.7                | 13.9 | 14.2 | 14.4 | 14.9 | 13.7              | 13.9 | 14.2 | 14.4 | 14.9 |
|  |      |                     |      |      |      |      |                   |      |      |      |      |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |
| S =  | 1.0H | 6.4 / -27.7         |      |      |      |      | 6.4 / -27.7       |      |      |      |      |
|  | 1.5H | 9.2 / -31.6         |      |      |      |      | 9.2 / -31.6       |      |      |      |      |
|  | 2.0H | 11.2 / -32.7        |      |      |      |      | 11.2 / -32.7      |      |      |      |      |