

## Laser Blade L

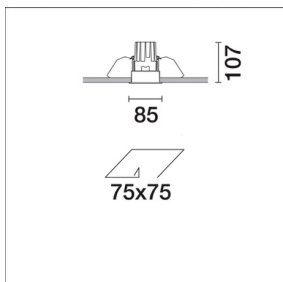
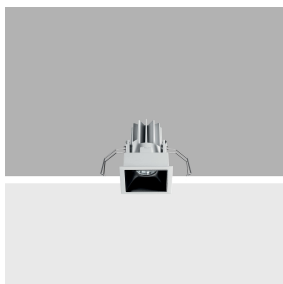
Design iGuzzini

iGuzzini

Last information update: October 2024

### Product configuration: P950.47

P950.47: Fixed, Recessed luminaire - Warm LED - Incorporated DALI dimmable power supply - Medium optic Beam - White/Black



### Product code

P950.47: Fixed, Recessed luminaire - Warm LED - Incorporated DALI dimmable power supply - Medium optic Beam - White/Black

### 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 optic, integrated in a rear position in the anti-glare screen. Glass cover for LED lamp. The structure of the optical system produces light emission with controlled luminance (UGR < 19). Equipped with a dimmable DALI ballast connected to the luminaire.

### Installation

recessed with steel wire springs for false ceilings from 1 to 30 mm thick - preparation hole 75 x 75. Installation permitted in either a horizontal or vertical position.

### Colour

Black / White (47)

### Weight (Kg)

0.5

### Mounting

wall recessed/ceiling recessed

### Wiring

on the control gears box with quick-coupling connections. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (DIM SWITCH).

### Notes

The product with its white finish (01) includes an optic ring for limiting luminance; a feature that renders a performance of UGR < 19 and determines slight variations in the opening of the optic (32°) and yield (0.73).

Complies with EN60598-1 and pertinent regulations



### Technical data

|  |      |  |  |
|--|------|--|--|
| Im system:   | 816  | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| W system:  | 10.6 | Voltage [Vin]:   | 230  |
| Im source:   | 1150 | Lamp code:   | LED  |
| W source:  | 8.3  | Number of lamps for optical assembly:                                    | 1  |
| Luminous efficiency (Im/W, real value):            | 77   | ZVEI Code:   | LED  |
| Im in emergency mode:                              | -    | Number of optical assemblies:  | 1  |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Power factor:  | See installation instructions  |
| Light Output Ratio (L.O.R.) [%]:                   | 71   | Inrush current:  | 16 A / 220 µs  |
| Beam angle [°]:                                    | 24°  | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 15 luminaires<br>B16A: 24 luminaires<br>C10A: 24 luminaires<br>C16A: 40 luminaires |
| CRI (minimum):                                     | 90   | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Colour temperature [K]:                            | 3000 | Control:   | DALI-2   |
| MacAdam Step:                                      | 2    |  |  |

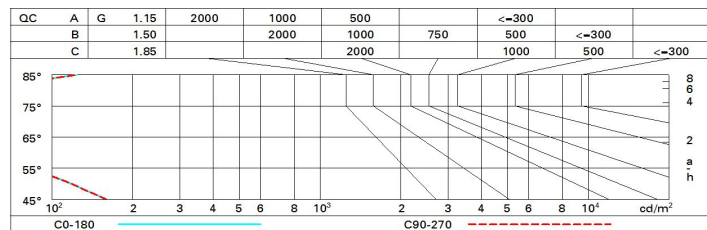
### Polar

|              |   |               |
|--------------|---|---------------|
| Imax=3339 cd | CIE<br>nL 0.71<br>100-100-100-100-71<br>UGR <10-10<br>DIN<br>A.61<br>UTE<br>0.71A+0.00T<br>F*1=999<br>F*1+F*2=1000<br>F*1+F*2+F*3=1000<br>CIBSE<br>LG3 L<1500 cd/m² at 65°<br>UGR<10   L<1500 cd/mq @ 65° | Lux           |
| 90°          |   | h d Em Emax   |
| 180°         |   | 2 0.9 672 835 |
| 90°          |   | 4 1.7 168 209 |
| 3000         |   | 6 2.6 75 93   |
| 0°           |   | 8 3.4 42 52   |
| α=24°        |   |               |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 64 | 61 | 59 | 57 | 60 | 58 | 58 | 56 | 78  |
| 1.0  | 67 | 64 | 62 | 60 | 63 | 61 | 61 | 59 | 83  |
| 1.5  | 70 | 68 | 66 | 65 | 67 | 66 | 65 | 63 | 89  |
| 2.0  | 72 | 71 | 69 | 68 | 70 | 69 | 68 | 66 | 93  |
| 2.5  | 74 | 73 | 72 | 71 | 71 | 71 | 70 | 68 | 96  |
| 3.0  | 75 | 74 | 73 | 72 | 73 | 72 | 71 | 69 | 98  |
| 4.0  | 75 | 75 | 74 | 74 | 74 | 73 | 72 | 71 | 99  |
| 5.0  | 76 | 76 | 75 | 75 | 74 | 74 | 73 | 71 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 1150 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 |
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