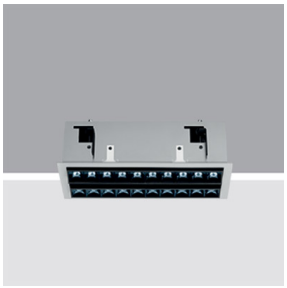
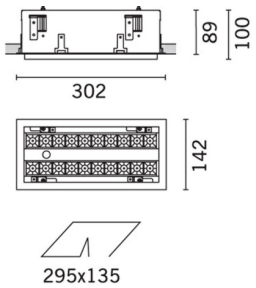
# Laser Blade

**Design iGuzzini** **iGuzzini**

Last information update: April 2025

**Product configuration: RB95**
RB95: Adjustable 2 x 10 - cell Recessed frame - LED - Warm white- DALI dimmable power supply - Flood Beam






**Product code**
RB95: Adjustable 2 x 10 - cell Recessed frame - LED - Warm white- DALI dimmable power supply - Flood Beam

**Technical description**
Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The two linear elements with 10 lighting cells, in die-cast aluminium and independently adjustable, can be used to direct the emission with a tilting adjustability of +/- 30°. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Supplied with DALI dimmable control gear connected to the luminaire. Warm white LED.

**Installation**
recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on cealings and walls (vertical + horizontal) - preparation slot 135 x 295

**Colour**
Black / Black (43) | Black / White (47) | Grey / Black (74)*

**Weight (Kg)**
2.8

* Colours on request

**Mounting**
wall recessed|ceiling recessed

**Wiring**
on power box: screw connections

**Notes**
dimming function with pushbutton (TOUCH DIM/PUSH): for this option consult the instructions included in the package

Complies with EN60598-1 and pertinent regulations

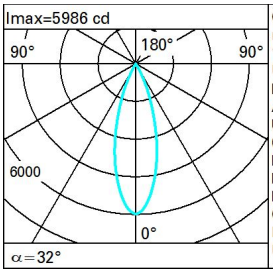
IP20

**Technical data**

| | |
|---|---|
| lm system: | 3564 |
| W system: | 44.3 |
| lm source: | 2200 |
| W source: | 20 |
| Luminous efficiency (lm/W, real value): | 80.5 |
| lm in emergency mode: | - |
| Total light flux at or above an angle of 90° [Lm]: | 0 |
| Light Output Ratio (L.O.R.) [%]: | 81 |
| Beam angle [°]: | 32° |
| CRI (minimum): | 90 |
| CRI (typical): | 92 |
| Colour temperature [K]: | 3500 |

| | |
|---|---|
| MacAdam Step: | 3 |
| Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Lamp code: | LED |
| Number of lamps for optical assembly: | 1 |
| ZVEI Code: | LED |
| Number of optical assemblies: | 2 |
| Power factor: | See installation instructions |
| Inrush current: | 10 A / 200 µs |
| Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 18 luminaires<br>B16A: 30 luminaires<br>C10A: 31 luminaires<br>C16A: 51 luminaires |
| Minimum dimming %: | 1 |
| Overvoltage protection: | 4kV Common mode & 4kV Differential mode |
| Control: | DALI-2 |

**Polar**




**CIE**
nL 0.81
100-100-100-100-81
UGR <10-<10
**DIN**
A.61
**UTE**
0.81A+0.00T
F"1=1000
F"1+F"2=1000
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.1 | 1137 | 1496 |
| 4 | 2.3 | 284 | 374 |
| 6 | 3.4 | 126 | 166 |
| 8 | 4.6 | 71 | 94 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 73 | 70 | 67 | 65 | 69 | 66 | 66 | 64 | 78 |
| 1.0 | 76 | 73 | 71 | 69 | 72 | 70 | 70 | 67 | 83 |
| 1.5 | 80 | 78 | 76 | 74 | 77 | 75 | 74 | 72 | 89 |
| 2.0 | 83 | 81 | 79 | 78 | 80 | 78 | 78 | 75 | 93 |
| 2.5 | 84 | 83 | 82 | 81 | 82 | 81 | 80 | 78 | 96 |
| 3.0 | 85 | 84 | 83 | 83 | 83 | 82 | 81 | 79 | 98 |
| 4.0 | 86 | 85 | 85 | 84 | 84 | 84 | 82 | 81 | 99 |
| 5.0 | 87 | 86 | 86 | 86 | 85 | 84 | 83 | 81 | 100 |

**UGR diagram**

Corrected UGR values (at 2200 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 | | | | | viewed | | |
| x | y | | | crosswise | | | | | endwise | | |
| 2H | 2H | -7.8 | -7.3 | -7.6 | -7.1 | -6.9 | -7.8 | -7.3 | -7.6 | -7.1 | -6.9 |
| | 3H | -8.0 | -7.5 | -7.7 | -7.2 | -7.0 | -8.0 | -7.5 | -7.7 | -7.2 | -7.0 |
| | 4H | -8.0 | -7.6 | -7.7 | -7.3 | -7.0 | -8.0 | -7.6 | -7.7 | -7.3 | -7.0 |
| | 6H | -8.1 | -7.7 | -7.8 | -7.4 | -7.1 | -8.1 | -7.7 | -7.8 | -7.4 | -7.1 |
| | 8H | -8.1 | -7.8 | -7.8 | -7.4 | -7.1 | -8.2 | -7.8 | -7.8 | -7.5 | -7.1 |
| | 12H | -8.2 | -7.8 | -7.8 | -7.5 | -7.1 | -8.2 | -7.8 | -7.8 | -7.5 | -7.1 |
| 4H | 2H | -8.0 | -7.6 | -7.7 | -7.3 | -7.0 | -8.0 | -7.6 | -7.7 | -7.3 | -7.0 |
| | 3H | -8.2 | -7.8 | -7.8 | -7.5 | -7.1 | -8.2 | -7.8 | -7.8 | -7.5 | -7.1 |
| | 4H | -8.3 | -8.0 | -7.9 | -7.6 | -7.2 | -8.3 | -8.0 | -7.9 | -7.6 | -7.2 |
| | 6H | -8.4 | -8.1 | -7.9 | -7.7 | -7.3 | -8.4 | -8.1 | -8.0 | -7.7 | -7.3 |
| | 8H | -8.4 | -8.1 | -8.0 | -7.7 | -7.3 | -8.4 | -8.2 | -8.0 | -7.7 | -7.3 |
| | 12H | -8.4 | -8.2 | -8.0 | -7.8 | -7.3 | -8.5 | -8.2 | -8.0 | -7.8 | -7.3 |
| 8H | 4H | -8.4 | -8.2 | -8.0 | -7.7 | -7.3 | -8.4 | -8.1 | -8.0 | -7.7 | -7.3 |
| | 6H | -8.5 | -8.3 | -8.0 | -7.8 | -7.4 | -8.5 | -8.3 | -8.0 | -7.8 | -7.3 |
| | 8H | -8.5 | -8.3 | -8.1 | -7.9 | -7.4 | -8.5 | -8.3 | -8.1 | -7.9 | -7.4 |
| | 12H | -8.6 | -8.4 | -8.0 | -7.9 | -7.4 | -8.6 | -8.4 | -8.1 | -7.9 | -7.4 |
| 12H | 4H | -8.5 | -8.2 | -8.0 | -7.8 | -7.3 | -8.4 | -8.2 | -8.0 | -7.8 | -7.3 |
| | 6H | -8.6 | -8.4 | -8.1 | -7.9 | -7.4 | -8.5 | -8.3 | -8.0 | -7.9 | -7.4 |
| | 8H | -8.6 | -8.4 | -8.1 | -7.9 | -7.4 | -8.6 | -8.4 | -8.0 | -7.9 | -7.4 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 6.7 / -11.6 | 6.7 / -11.6 |
| | 1.5H | 9.6 / -12.2 | 9.6 / -12.2 |
| | 2.0H | 11.5 / -12.6 | 11.5 / -12.6 |