

## Blade R downlight

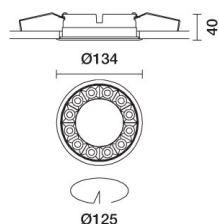
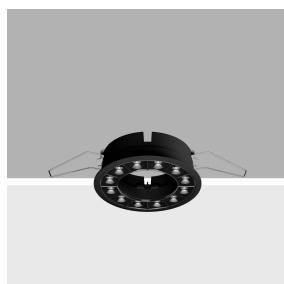
Design iGuzzini

iGuzzini

Last information update: October 2024

### Product configuration: QS32

QS32: Frame Ø 125 - Medium beam - LED



### Product code

QS32: Frame Ø 125 - Medium beam - LED

### Technical description

Ring luminaire with 12 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Version includes a perimeter surface frame. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

### Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - Ø 125 installation hole.

### Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)\* | White / burnished chrome (E7)\*

### Weight (Kg)

0.54

\* Colours on request

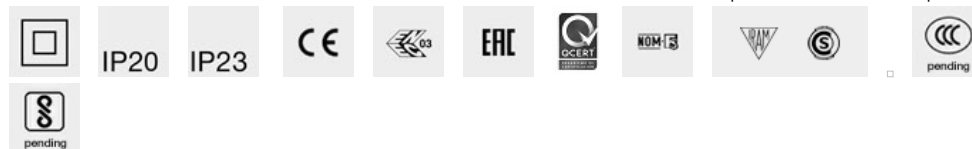
### Mounting

ceiling recessed

### Wiring

On the power supply unit with terminal board included. Available in DALI versions.

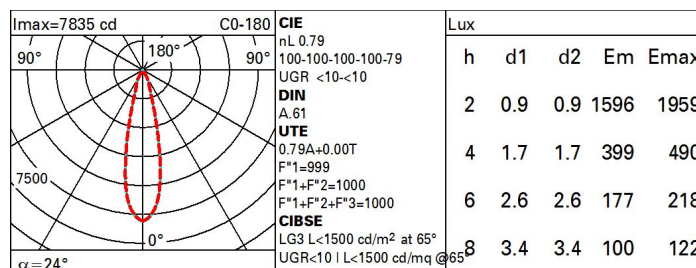
Complies with EN60598-1 and pertinent regulations



### Technical data

|  |      |  |  |
|--|------|--|--|
| lm system:   | 1738 | Life Time LED 1:   | > 50,000h - L80 - B10 (Ta 25°C)  |
| W system:  | 26.8 | Voltage [Vin]:   | 230  |
| lm source:   | 2200 | Lamp code:   | LED  |
| W source:  | 24   | Number of lamps for optical assembly:                                    | 1  |
| Luminous efficiency (lm/W, real value):            | 64.9 | ZVEI Code:   | LED  |
| lm 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.) [%]:                   | 79   | Inrush current:  | 21 A / 139 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   | Minimum dimming %:   | 1  |
| Colour temperature [K]:                            | 3000 | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| MacAdam Step:                                      | 2    | Control:   | DALI-2   |

### Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 71 | 68 | 65 | 63 | 67 | 65 | 64 | 62 | 78  |
| 1.0  | 74 | 71 | 69 | 67 | 70 | 68 | 68 | 66 | 83  |
| 1.5  | 78 | 76 | 74 | 72 | 75 | 73 | 72 | 70 | 89  |
| 2.0  | 81 | 79 | 77 | 76 | 78 | 76 | 76 | 73 | 93  |
| 2.5  | 82 | 81 | 80 | 79 | 80 | 79 | 78 | 76 | 96  |
| 3.0  | 83 | 82 | 81 | 81 | 81 | 80 | 79 | 77 | 98  |
| 4.0  | 84 | 83 | 83 | 82 | 82 | 82 | 80 | 79 | 99  |
| 5.0  | 84 | 84 | 84 | 83 | 83 | 82 | 81 | 79 | 100 |

# UGR diagram

| Corrected UGR values (at 2200 lm bare lamp luminous flux)     |      |                     |      |      |      |      |                   |      |      |      |      |
|---|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.:<br>ceil/cav<br>walls<br>work pl.<br>Room dim<br>x y |      | 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 |
|   |      | viewed<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H  | 2H   | 3.3                 | 5.4  | 3.7  | 5.7  | 6.1  | 3.1               | 5.2  | 3.5  | 5.5  | 5.9  |
|   | 3H   | 3.2                 | 4.8  | 3.5  | 5.1  | 5.4  | 3.0               | 4.6  | 3.4  | 4.9  | 5.2  |
|   | 4H   | 3.1                 | 4.4  | 3.5  | 4.8  | 5.1  | 2.9               | 4.3  | 3.3  | 4.6  | 4.9  |
|   | 6H   | 3.1                 | 4.1  | 3.4  | 4.4  | 4.8  | 2.9               | 3.9  | 3.3  | 4.3  | 4.6  |
|   | 8H   | 3.0                 | 4.1  | 3.4  | 4.4  | 4.8  | 2.8               | 3.9  | 3.2  | 4.2  | 4.6  |
|   | 12H  | 3.0                 | 4.0  | 3.4  | 4.4  | 4.7  | 2.8               | 3.8  | 3.2  | 4.2  | 4.6  |
| 4H  | 2H   | 3.1                 | 4.4  | 3.5  | 4.8  | 5.1  | 2.9               | 4.3  | 3.3  | 4.6  | 4.9  |
|   | 3H   | 3.0                 | 4.0  | 3.4  | 4.4  | 4.7  | 2.8               | 3.8  | 3.2  | 4.2  | 4.6  |
|   | 4H   | 2.8                 | 3.9  | 3.3  | 4.2  | 4.7  | 2.6               | 3.7  | 3.1  | 4.1  | 4.5  |
|   | 6H   | 2.5                 | 4.1  | 3.0  | 4.6  | 5.1  | 2.3               | 4.0  | 2.8  | 4.4  | 4.9  |
|   | 8H   | 2.4                 | 4.2  | 2.8  | 4.7  | 5.2  | 2.2               | 4.0  | 2.7  | 4.5  | 5.0  |
|   | 12H  | 2.2                 | 4.2  | 2.7  | 4.7  | 5.2  | 2.1               | 4.0  | 2.6  | 4.5  | 5.0  |
| 8H  | 4H   | 2.4                 | 4.2  | 2.8  | 4.7  | 5.2  | 2.2               | 4.0  | 2.7  | 4.5  | 5.0  |
|   | 6H   | 2.2                 | 4.0  | 2.7  | 4.5  | 5.0  | 2.0               | 3.8  | 2.6  | 4.3  | 4.8  |
|   | 8H   | 2.2                 | 3.8  | 2.7  | 4.3  | 4.8  | 2.0               | 3.6  | 2.5  | 4.1  | 4.6  |
|   | 12H  | 2.4                 | 3.4  | 2.9  | 3.9  | 4.4  | 2.2               | 3.2  | 2.7  | 3.7  | 4.2  |
| 12H   | 4H   | 2.2                 | 4.2  | 2.7  | 4.7  | 5.2  | 2.1               | 4.0  | 2.6  | 4.5  | 5.0  |
|   | 6H   | 2.2                 | 3.8  | 2.7  | 4.3  | 4.8  | 2.0               | 3.6  | 2.5  | 4.1  | 4.6  |
|   | 8H   | 2.4                 | 3.4  | 2.9  | 3.9  | 4.4  | 2.2               | 3.2  | 2.7  | 3.7  | 4.2  |
| Variations with the observer position at spacing:             |      |                     |      |      |      |      |                   |      |      |      |      |
| S =   | 1.0H | 6.6 / -40.0         |      |      |      |      | 6.7 / -40.2       |      |      |      |      |
|   | 1.5H | 8.0 / -54.2         |      |      |      |      | 7.8 / -45.1       |      |      |      |      |
|   | 2.0H | 8.8 / -53.4         |      |      |      |      | 8.6 / -47.6       |      |      |      |      |