

## Blade R downlight

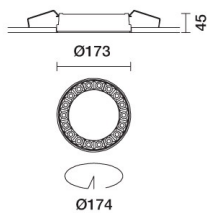
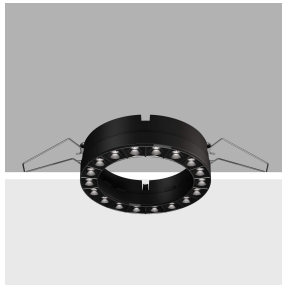
Design iGuzzini

iGuzzini

Last information update: April 2025

### Product configuration: QT01

QT01: Minimal Ø 174 - Medium beam - LED



### Product code

QT01: Minimal Ø 174 - Medium beam - LED

### Technical description

Ring luminaire with 18 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. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. 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 12,5 to 25 mm thick - Ø 174 installation hole.

### Colour

White (01) | Black (04) | Gold (14)\* | Burnished chrome (E6)\*

### Weight (Kg)

0.68

\* Colours on request

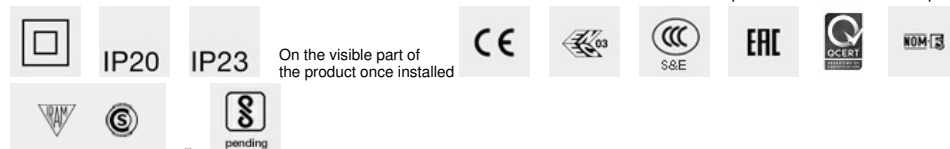
### Mounting

ceiling recessed

### Wiring

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

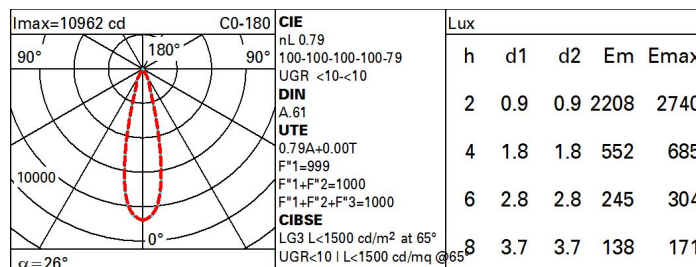
Complies with EN60598-1 and pertinent regulations



### Technical data

|  |      |                                       |                               |
|--|------|---------------------------------------|-------------------------------|
| lm system:   | 2489 | Colour temperature [K]:               | 2700                          |
| W system:  | 39.1 | MacAdam Step:                         | 2                             |
| lm source:   | 3150 | Life Time LED 1:                      | 50,000h - L90 - B10 (Ta 25°C) |
| W source:  | 36   | Voltage [Vin]:                        | 230                           |
| Luminous efficiency (lm/W, real value):            | 63.6 | 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.) [%]:                   | 79   | Number of optical assemblies:         | 1                             |
| Beam angle [°]:                                    | 26°  | Control:                              | DALI-2                        |
| CRI (minimum):                                     | 90   |                                       |                               |

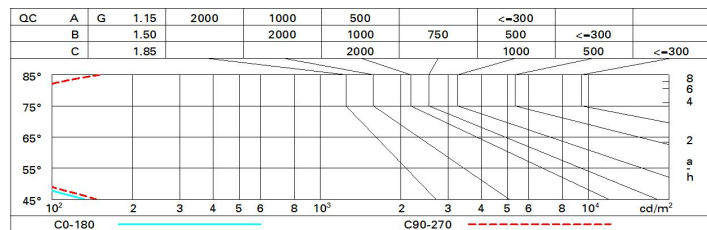
### Polar



# 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 | 65 | 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 | 78 | 99  |
| 5.0  | 84 | 84 | 84 | 83 | 83 | 82 | 81 | 79 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 3150 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   | 0.7                 | 2.8  | 1.1  | 3.1  | 3.5  | 1.1               | 3.2  | 1.5  | 3.6  | 3.9  |
|  | 3H   | 0.6                 | 2.2  | 0.9  | 2.5  | 2.8  | 1.0               | 2.6  | 1.4  | 2.9  | 3.3  |
|  | 4H   | 0.5                 | 1.8  | 0.9  | 2.2  | 2.5  | 0.9               | 2.3  | 1.3  | 2.6  | 2.9  |
|  | 6H   | 0.4                 | 1.5  | 0.8  | 1.8  | 2.2  | 0.9               | 1.9  | 1.3  | 2.3  | 2.6  |
|  | 8H   | 0.4                 | 1.4  | 0.8  | 1.8  | 2.2  | 0.8               | 1.9  | 1.2  | 2.2  | 2.6  |
|  | 12H  | 0.4                 | 1.4  | 0.8  | 1.7  | 2.1  | 0.8               | 1.8  | 1.2  | 2.2  | 2.6  |
| 4H   | 2H   | 0.5                 | 1.8  | 0.9  | 2.2  | 2.5  | 0.9               | 2.3  | 1.3  | 2.6  | 3.0  |
|  | 3H   | 0.4                 | 1.4  | 0.8  | 1.7  | 2.1  | 0.8               | 1.8  | 1.2  | 2.2  | 2.6  |
|  | 4H   | 0.2                 | 1.2  | 0.7  | 1.6  | 2.0  | 0.7               | 1.7  | 1.1  | 2.1  | 2.5  |
|  | 6H   | -0.1                | 1.5  | 0.4  | 2.0  | 2.5  | 0.3               | 2.0  | 0.8  | 2.4  | 2.9  |
|  | 8H   | -0.3                | 1.6  | 0.2  | 2.1  | 2.6  | 0.2               | 2.1  | 0.7  | 2.5  | 3.0  |
|  | 12H  | -0.4                | 1.6  | 0.1  | 2.1  | 2.6  | 0.1               | 2.0  | 0.6  | 2.5  | 3.0  |
| 8H   | 4H   | -0.3                | 1.6  | 0.2  | 2.1  | 2.6  | 0.2               | 2.1  | 0.7  | 2.5  | 3.0  |
|  | 6H   | -0.4                | 1.4  | 0.1  | 1.9  | 2.4  | 0.1               | 1.9  | 0.6  | 2.4  | 2.9  |
|  | 8H   | -0.4                | 1.2  | 0.1  | 1.7  | 2.2  | 0.1               | 1.6  | 0.6  | 2.1  | 2.7  |
|  | 12H  | -0.2                | 0.8  | 0.3  | 1.3  | 1.8  | 0.2               | 1.2  | 0.7  | 1.7  | 2.3  |
| 12H  | 4H   | -0.4                | 1.6  | 0.1  | 2.1  | 2.6  | 0.1               | 2.1  | 0.6  | 2.5  | 3.1  |
|  | 6H   | -0.4                | 1.2  | 0.1  | 1.7  | 2.2  | 0.1               | 1.7  | 0.6  | 2.2  | 2.7  |
|  | 8H   | -0.2                | 0.8  | 0.3  | 1.3  | 1.8  | 0.3               | 1.3  | 0.8  | 1.8  | 2.3  |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |
| S =  | 1.0H | 6.9 / -20.9         |      |      |      |      | 6.8 / -13.4       |      |      |      |      |
|  | 1.5H | 9.7 / -22.3         |      |      |      |      | 9.7 / -13.7       |      |      |      |      |
|  | 2.0H | 11.7 / -22.8        |      |      |      |      | 11.7 / -14.0      |      |      |      |      |