

## Easy

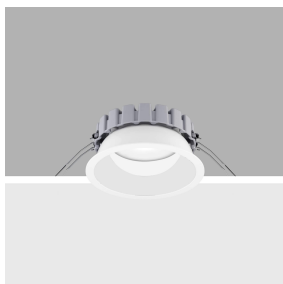
Design iGuzzini

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Last information update: March 2025

### Product configuration: QF66.01

QF66.01: Ø 163 mm - warm white - INVERTER - White



#### Product code

QF66.01: Ø 163 mm - warm white - INVERTER - White

#### Technical description

Round fixed luminaire designed to use LED lamps with C.o.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Dissipater made of painted grey die-cast aluminium. Product complete with LED lamp in warm white colour tone (3000K). General lighting beam. Luminaire complete with inverter for safety light.

#### Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

#### Colour

White (01)

#### Weight (Kg)

1.13

#### Mounting

ceiling surface

#### Wiring

product complete with INVERTER for safety light.

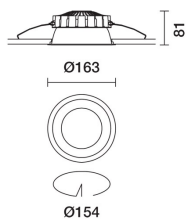
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



#### Technical data

|  |      |  |  |
|--|------|--|--|
| lm system:   | 2508 | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| W system:  | 28.6 | Lamp code:   | LED  |
| lm source:   | 2950 | Number of lamps for optical assembly:                                    | 1  |
| W source:  | 21   | ZVEI Code:   | LED  |
| Luminous efficiency (lm/W, real value):            | 87.7 | Number of optical assemblies:  | 1  |
| lm in emergency mode:                              | -    | Power factor:  | See installation instructions  |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Inrush current:  | 19.4 A / 250 µs  |
| Light Output Ratio (L.O.R.) [%]:                   | 85   | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 13 luminaires<br>B16A: 21 luminaires<br>C10A: 21 luminaires<br>C16A: 35 luminaires |
| CRI (minimum):                                     | 90   | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Colour temperature [K]:                            | 3000 | Control:   | On/off   |
| MacAdam Step:                                      | 2    |  |  |

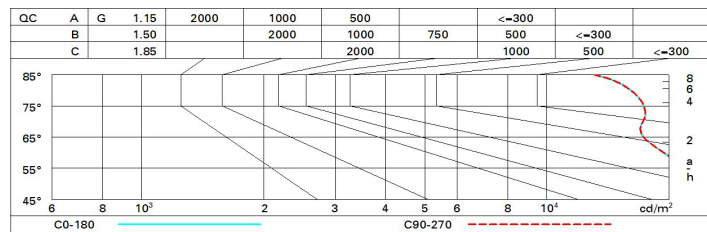
#### Polar

|  |   |     |     |                  |
|--|---|-----|-----|------------------|
|  | <b>CIE</b><br>nL 0.85<br>69-92-98-100-85<br>UGR 25.2-24.8<br><b>DIN</b><br>A.51<br><b>UTE</b><br>0.85C+0.00T<br>F*1=693<br>F*1+F*2=915<br>F*1+F*2+F*3=981 |     |     |                  |
|  | <b>Lux</b>  |     |     |                  |
|  | h   | d   | Em  | E <sub>max</sub> |
|  | 1   | 1.9 | 939 | 1409             |
|  | 2   | 3.7 | 235 | 352              |
|  | 3   | 5.6 | 104 | 157              |
|  | 4   | 7.5 | 59  | 88               |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 65 | 58 | 53 | 49 | 57 | 52 | 52 | 47 | 56  |
| 1.0  | 70 | 63 | 59 | 55 | 62 | 58 | 57 | 53 | 62  |
| 1.5  | 77 | 72 | 68 | 65 | 70 | 67 | 66 | 62 | 73  |
| 2.0  | 81 | 77 | 74 | 71 | 75 | 73 | 72 | 68 | 80  |
| 2.5  | 83 | 80 | 77 | 75 | 78 | 76 | 75 | 71 | 84  |
| 3.0  | 85 | 82 | 80 | 78 | 80 | 79 | 77 | 74 | 87  |
| 4.0  | 87 | 84 | 83 | 81 | 83 | 81 | 80 | 77 | 90  |
| 5.0  | 88 | 86 | 84 | 83 | 84 | 83 | 81 | 78 | 92  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2950 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 |      |      |      |      |
| 2H   | 2H  | 23.2                | 24.1 | 23.5 | 24.3 | 24.0 | 23.2              | 24.1 | 23.5 | 24.3 | 24.0 |
|  | 3H  | 23.8                | 24.6 | 24.1 | 24.8 | 25.1 | 23.3              | 24.1 | 23.6 | 24.4 | 24.7 |
|  | 4H  | 24.1                | 24.8 | 24.4 | 25.1 | 25.5 | 23.3              | 24.1 | 23.7 | 24.4 | 24.7 |
|  | 6H  | 24.4                | 25.1 | 24.8 | 25.4 | 25.7 | 23.3              | 24.0 | 23.7 | 24.3 | 24.7 |
|  | 8H  | 24.5                | 25.2 | 24.9 | 25.5 | 25.8 | 23.3              | 24.0 | 23.7 | 24.3 | 24.7 |
|  | 12H | 24.6                | 25.2 | 24.9 | 25.5 | 25.9 | 23.3              | 23.9 | 23.7 | 24.3 | 24.6 |
| 4H   | 2H  | 23.3                | 24.1 | 23.7 | 24.4 | 24.7 | 24.1              | 24.8 | 24.4 | 25.1 | 25.5 |
|  | 3H  | 24.1                | 24.8 | 24.5 | 25.1 | 25.5 | 24.5              | 25.1 | 24.8 | 25.4 | 25.8 |
|  | 4H  | 24.6                | 25.2 | 25.0 | 25.6 | 25.9 | 24.6              | 25.2 | 25.0 | 25.6 | 25.9 |
|  | 6H  | 25.1                | 25.6 | 25.5 | 26.0 | 26.4 | 24.8              | 25.3 | 25.2 | 25.7 | 26.1 |
|  | 8H  | 25.2                | 25.7 | 25.7 | 26.1 | 26.5 | 24.8              | 25.2 | 25.2 | 25.7 | 26.1 |
|  | 12H | 25.3                | 25.7 | 25.8 | 26.1 | 26.6 | 24.8              | 25.2 | 25.2 | 25.6 | 26.1 |
| 8H   | 4H  | 24.8                | 25.2 | 25.2 | 25.7 | 26.1 | 25.2              | 25.7 | 25.7 | 26.1 | 26.5 |
|  | 6H  | 25.4                | 25.7 | 25.8 | 26.2 | 26.7 | 25.5              | 25.8 | 25.9 | 26.3 | 26.8 |
|  | 8H  | 25.6                | 25.9 | 26.1 | 26.4 | 26.9 | 25.6              | 25.9 | 26.1 | 26.4 | 26.9 |
|  | 12H | 25.7                | 26.0 | 26.2 | 26.5 | 27.0 | 25.6              | 25.9 | 26.1 | 26.4 | 26.9 |
| 12H  | 4H  | 24.8                | 25.2 | 25.2 | 25.6 | 26.1 | 25.3              | 25.7 | 25.8 | 26.1 | 26.6 |
|  | 6H  | 25.4                | 25.7 | 25.9 | 26.2 | 26.7 | 25.6              | 25.9 | 26.1 | 26.4 | 26.9 |
|  | 8H  | 25.6                | 25.9 | 26.1 | 26.4 | 26.9 | 25.7              | 26.0 | 26.2 | 26.5 | 27.0 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 1.0H                |      |      |      |      | 0.6 / -0.8        |      |      |      |      |
|  |     | 1.5H                |      |      |      |      | 1.5 / -1.2        |      |      |      |      |
|  |     | 2.0H                |      |      |      |      | 2.7 / -1.4        |      |      |      |      |