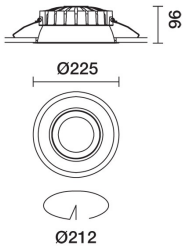
# Easy

**Design iGuzzini** **iGuzzini**

Last information update: February 2025

**Product configuration: R461**
R461: Ø 225 - 3000K - CRI80 - UGR<19




**Product code**
R461: Ø 225 - 3000K - CRI80 - UGR<19

**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) and microfilm that is able to guarantee a light beam of UGR<19 L<3000 cd/m2, which is ideal for environments with video terminals.

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

| **Colour** | **Weight (Kg)** |
|---|---|
| White / Aluminium (39) | 1.03 |

**Mounting**
ceiling surface

**Wiring**
Product complete with DALI components

**Notes**

TPa version available on request, contact iGuzzini for more info

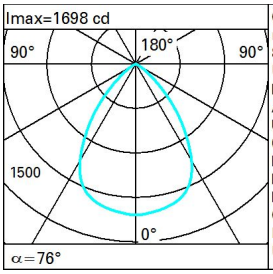
Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2403 | Colour temperature [K]: | 3000 |
| W system: | 19.5 | MacAdam Step: | 2 |
| lm source: | 2700 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 16 | Lamp code: | LED |
| Luminous efficiency (lm/W, real value): | 123.2 | Number of lamps for optical assembly: | 1 |
| lm in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 89 | Control: | DALI-2 |
| CRI (minimum): | 80 | | |

**Polar**




**CIE**
nL 0.89
82-99-100-100-89
UGR 18.7-18.7
**DIN**
A.61
**UTE**
0.89B+0.00T
F"1=818
F"1+F"2=992
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<19 I L<1500 cd/mq @65°

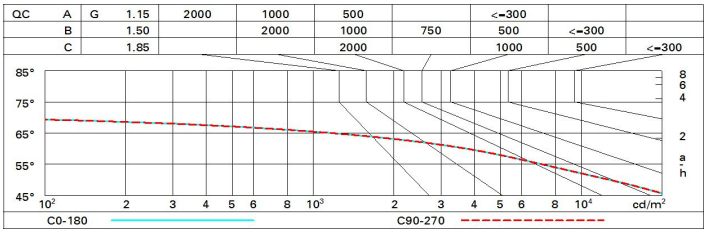
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 1 | 1.6 | 1217 | 1698 |
| 2 | 3.1 | 304 | 424 |
| 3 | 4.7 | 135 | 189 |
| 4 | 6.3 | 76 | 106 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 73 | 67 | 63 | 59 | 66 | 62 | 62 | 58 | 65 |
| 1.0 | 78 | 72 | 68 | 66 | 71 | 68 | 67 | 63 | 71 |
| 1.5 | 84 | 80 | 77 | 74 | 79 | 76 | 75 | 72 | 81 |
| 2.0 | 88 | 85 | 82 | 80 | 83 | 81 | 80 | 77 | 87 |
| 2.5 | 90 | 87 | 86 | 84 | 86 | 84 | 83 | 80 | 90 |
| 3.0 | 91 | 89 | 88 | 86 | 88 | 86 | 85 | 82 | 93 |
| 4.0 | 93 | 91 | 90 | 89 | 89 | 88 | 87 | 84 | 95 |
| 5.0 | 93 | 92 | 91 | 90 | 90 | 90 | 88 | 85 | 96 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 2700 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 crosswise | | | | | viewed endwise | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 19.3 | 20.0 | 19.6 | 20.3 | 20.5 | 19.3 | 20.0 | 19.6 | 20.3 | 20.5 |
| | 3H | 19.1 | 19.8 | 19.4 | 20.1 | 20.4 | 19.2 | 19.9 | 19.5 | 20.2 | 20.4 |
| | 4H | 19.0 | 19.7 | 19.4 | 20.0 | 20.3 | 19.1 | 19.8 | 19.5 | 20.1 | 20.4 |
| | 6H | 19.0 | 19.6 | 19.3 | 19.9 | 20.2 | 19.0 | 19.6 | 19.4 | 19.9 | 20.3 |
| | 8H | 18.9 | 19.5 | 19.3 | 19.8 | 20.2 | 19.0 | 19.6 | 19.4 | 19.9 | 20.2 |
| | 12H | 18.9 | 19.4 | 19.3 | 19.8 | 20.1 | 19.0 | 19.5 | 19.3 | 19.8 | 20.2 |
| 4H | 2H | 19.1 | 19.8 | 19.5 | 20.1 | 20.4 | 19.0 | 19.7 | 19.4 | 20.0 | 20.3 |
| | 3H | 19.0 | 19.5 | 19.3 | 19.8 | 20.2 | 19.0 | 19.5 | 19.3 | 19.8 | 20.2 |
| | 4H | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 |
| | 6H | 18.8 | 19.2 | 19.2 | 19.6 | 20.0 | 18.8 | 19.2 | 19.2 | 19.6 | 20.0 |
| | 8H | 18.7 | 19.1 | 19.2 | 19.5 | 20.0 | 18.7 | 19.1 | 19.2 | 19.5 | 20.0 |
| | 12H | 18.7 | 19.0 | 19.2 | 19.5 | 19.9 | 18.7 | 19.0 | 19.2 | 19.5 | 19.9 |
| 8H | 4H | 18.7 | 19.1 | 19.2 | 19.5 | 20.0 | 18.7 | 19.1 | 19.2 | 19.5 | 20.0 |
| | 6H | 18.7 | 19.0 | 19.1 | 19.4 | 19.9 | 18.7 | 19.0 | 19.1 | 19.4 | 19.9 |
| | 8H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 |
| | 12H | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 |
| 12H | 4H | 18.7 | 19.0 | 19.2 | 19.5 | 19.9 | 18.7 | 19.0 | 19.2 | 19.5 | 19.9 |
| | 6H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 |
| | 8H | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 2.0 / -4.8 | 2.0 / -4.8 |
| | 1.5H | 4.0 / -11.1 | 4.0 / -11.1 |
| | 2.0H | 5.9 / -24.0 | 5.9 / -24.0 |