# Reflex

**Design iGuzzini** **iGuzzini**

Last information update: April 2025

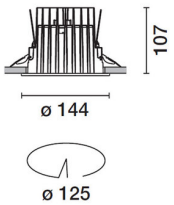
**Product configuration: P527**
P527: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR<10 - DALI

**Product code**
P527: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR<10 - DALI

**Technical description**
Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Optic with super comfort reflector vacuum-metallised with aluminium vapours and an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI90 (3000K). General light emission, with controlled luminance UGR<10 1500 cd/m2 α>65° flood optic.

**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) | 1.15 |




**Mounting**
ceiling recessed

**Wiring**
product complete with DALI components

**Notes**

TPb rated

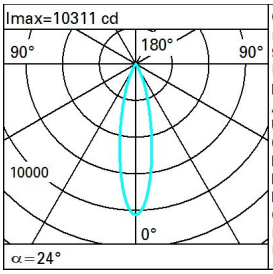
Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2380 | CRI (minimum): | 90 |
| W system: | 31.2 | Colour temperature [K]: | 3000 |
| lm source: | 3400 | MacAdam Step: | 2 |
| W source: | 28 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 76.3 | 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.) [%]: | 70 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 24° | Control: | DALI-2 |

**Polar**




**CIE**
nL 0.70
99-100-100-100-70
UGR <10-<10
**DIN**
A.61
**UTE**
0.70A+0.00T
F"1=991
F"1+F"2=998
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

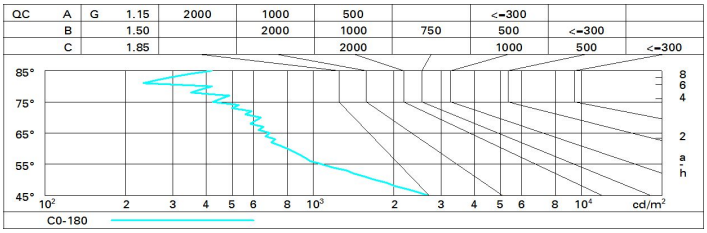
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 0.9 | 1994 | 2578 |
| 4 | 1.7 | 498 | 644 |
| 6 | 2.6 | 222 | 286 |
| 8 | 3.4 | 125 | 161 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 63 | 60 | 57 | 56 | 59 | 57 | 57 | 54 | 78 |
| 1.0 | 66 | 63 | 61 | 59 | 62 | 60 | 60 | 58 | 82 |
| 1.5 | 69 | 67 | 65 | 64 | 66 | 65 | 64 | 62 | 88 |
| 2.0 | 71 | 70 | 68 | 67 | 69 | 68 | 67 | 65 | 93 |
| 2.5 | 73 | 71 | 70 | 70 | 70 | 69 | 69 | 67 | 95 |
| 3.0 | 73 | 73 | 72 | 71 | 71 | 71 | 70 | 68 | 98 |
| 4.0 | 74 | 74 | 73 | 73 | 73 | 72 | 71 | 69 | 99 |
| 5.0 | 75 | 74 | 74 | 74 | 73 | 73 | 72 | 70 | 100 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 3400 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 x | y | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 2.7 | 4.9 | 3.1 | 5.2 | 5.5 | 2.7 | 4.9 | 3.1 | 5.2 | 5.5 |
| | 3H | 2.8 | 4.5 | 3.2 | 4.8 | 5.1 | 2.7 | 4.4 | 3.1 | 4.7 | 5.0 |
| | 4H | 2.8 | 4.2 | 3.2 | 4.6 | 4.9 | 2.7 | 4.1 | 3.0 | 4.4 | 4.7 |
| | 6H | 2.8 | 3.9 | 3.2 | 4.3 | 4.6 | 2.6 | 3.7 | 3.0 | 4.1 | 4.4 |
| | 8H | 2.8 | 3.9 | 3.2 | 4.2 | 4.6 | 2.6 | 3.7 | 3.0 | 4.0 | 4.4 |
| | 12H | 2.8 | 3.8 | 3.2 | 4.2 | 4.6 | 2.5 | 3.6 | 2.9 | 4.0 | 4.4 |
| 4H | 2H | 2.7 | 4.1 | 3.0 | 4.4 | 4.7 | 2.8 | 4.2 | 3.2 | 4.6 | 4.9 |
| | 3H | 2.8 | 3.9 | 3.2 | 4.2 | 4.6 | 2.9 | 3.9 | 3.3 | 4.3 | 4.7 |
| | 4H | 2.8 | 3.8 | 3.2 | 4.2 | 4.6 | 2.8 | 3.8 | 3.2 | 4.2 | 4.6 |
| | 6H | 2.6 | 4.3 | 3.0 | 4.7 | 5.2 | 2.5 | 4.2 | 3.0 | 4.7 | 5.1 |
| | 8H | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 |
| | 12H | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 | 2.3 | 4.3 | 2.8 | 4.7 | 5.3 |
| 8H | 4H | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 |
| | 6H | 2.4 | 4.2 | 2.9 | 4.7 | 5.2 | 2.4 | 4.2 | 2.9 | 4.7 | 5.2 |
| | 8H | 2.4 | 4.0 | 2.9 | 4.5 | 5.1 | 2.4 | 4.0 | 2.9 | 4.5 | 5.1 |
| | 12H | 2.6 | 3.6 | 3.1 | 4.1 | 4.7 | 2.6 | 3.6 | 3.1 | 4.1 | 4.6 |
| 12H | 4H | 2.3 | 4.3 | 2.8 | 4.7 | 5.3 | 2.4 | 4.3 | 2.9 | 4.8 | 5.3 |
| | 6H | 2.4 | 4.0 | 2.9 | 4.5 | 5.1 | 2.4 | 4.1 | 2.9 | 4.5 | 5.1 |
| | 8H | 2.6 | 3.6 | 3.1 | 4.1 | 4.6 | 2.6 | 3.6 | 3.1 | 4.1 | 4.7 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 3.9 / -3.5 | 3.9 / -3.5 |
| | 1.5H | 6.4 / -4.7 | 6.4 / -4.7 |
| | 2.0H | 8.4 / -4.9 | 8.4 / -4.9 |