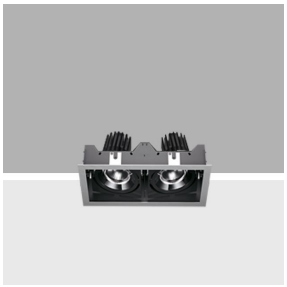
# Deep Frame

**Design iGuzzini** **iGuzzini**

Last information update: April 2018

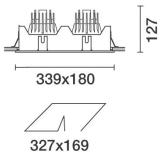


**Deep Frame - 2 elements - CoB warm LED - flood beam - dimmable DALI**

**Product code**
P927

**Technical description**
Two element recessed luminaire for an LED lamp. Version with a perimeter frame. Shaped sheet steel structural frame. Die-cast aluminium, twin swivel universal joints located in a position set back from the installation surface to guarantee a high level of visual comfort. Tilts ± 30° around both the horizontal and vertical axes. Die-cast aluminium lighting bodies designed to optimise heat dispersal. High efficiency aluminium reflectors - flood angle. High color rendering index, warm white LED lamps. Each lamp unit has its own glass cover. Mechanical installation system. DALI dimmable control gear units included.

**Installation**
Recessed in 1 to 30mm thick false ceilings - secured with manually adjustable metal brackets. Preparation hole 169 x 327.




**Dimension (mm)**
339x180x127

**Colour**
White (01) | Grey/Black (74)

**Weight (Kg)**
2.8

**Mounting**
ceiling recessed

**Wiring**
Complete with DALI dimmable control gear units connected to the luminaire. Wiring for connecting to mains network on driver terminal board. For the dimensions of the installation compartment see the instructions sheet.

**Notes**
Accessories available: refractor for elliptical flow distribution - interchangeable reflector.

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

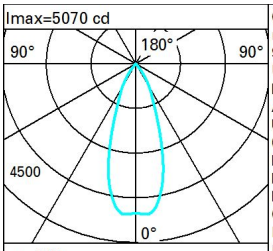
**Product configuration: P927**

**Product characteristics**
Total lighting output [Lm]: 4793.4
Total power [W]: 62.6
Luminous efficacy [Lm/W]: 76.6
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 2

**Optical assembly Characteristics Type 1**
Light Output Ratio (L.O.R.) [%]: 80
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 27
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 38°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.3
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

**Polar**

Imax=5070 cd




**CIE**
nL 0.80
99-100-100-100-80
UGR 12.1-12.1
**DIN**
A.61
**UTE**
0.80A+0.00T
F"1=987
F"1+F"2=998
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<500 cd/m² at 65°
BZ1

Lux

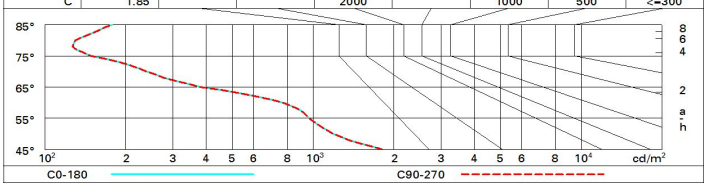
| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.4 | 1018 | 1257 |
| 4 | 2.8 | 254 | 314 |
| 6 | 4.1 | 113 | 140 |
| 8 | 5.5 | 64 | 79 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 72 | 68 | 65 | 63 | 67 | 65 | 64 | 62 | 78 |
| 1.0 | 75 | 72 | 69 | 67 | 71 | 69 | 68 | 66 | 82 |
| 1.5 | 79 | 76 | 74 | 73 | 75 | 73 | 73 | 70 | 88 |
| 2.0 | 81 | 79 | 78 | 77 | 78 | 77 | 76 | 74 | 92 |
| 2.5 | 83 | 81 | 80 | 79 | 80 | 79 | 78 | 76 | 95 |
| 3.0 | 84 | 83 | 82 | 81 | 82 | 81 | 80 | 78 | 97 |
| 4.0 | 85 | 84 | 84 | 83 | 83 | 82 | 81 | 79 | 99 |
| 5.0 | 85 | 85 | 84 | 84 | 83 | 83 | 82 | 80 | 100 |

**Luminance curve limit**

| QC | | G | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | A | | 1.15 | 2000 | 1000 | 500 | | <=300 | | |
| | B | | 1.50 | | 2000 | 1000 | 750 | 500 | <=300 | |
| | C | | 1.85 | | | 2000 | | 1000 | 500 | <=300 |



**UGR diagram**

Corrected UGR values (at 3000 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 | | | | | viewed | | |
| x | y | | | crosswise | | | | | endwise | | |
| 2H | 2H | 12.7 | 13.3 | 13.0 | 13.5 | 13.8 | 12.7 | 13.3 | 13.0 | 13.5 | 13.8 |
| | 3H | 12.6 | 13.1 | 12.9 | 13.4 | 13.7 | 12.6 | 13.1 | 12.9 | 13.4 | 13.7 |
| | 4H | 12.5 | 13.0 | 12.8 | 13.3 | 13.6 | 12.5 | 13.0 | 12.8 | 13.3 | 13.6 |
| | 6H | 12.4 | 12.9 | 12.8 | 13.2 | 13.5 | 12.4 | 12.9 | 12.8 | 13.2 | 13.5 |
| | 8H | 12.4 | 12.8 | 12.7 | 13.2 | 13.5 | 12.4 | 12.8 | 12.7 | 13.2 | 13.5 |
| | 12H | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 | 12.3 | 12.8 | 12.7 | 13.1 | 13.5 |
| 4H | 2H | 12.5 | 13.0 | 12.8 | 13.3 | 13.6 | 12.5 | 13.0 | 12.8 | 13.3 | 13.6 |
| | 3H | 12.4 | 12.8 | 12.7 | 13.1 | 13.5 | 12.4 | 12.8 | 12.7 | 13.1 | 13.5 |
| | 4H | 12.3 | 12.6 | 12.7 | 13.0 | 13.4 | 12.3 | 12.6 | 12.7 | 13.0 | 13.4 |
| | 6H | 12.2 | 12.5 | 12.6 | 12.9 | 13.3 | 12.2 | 12.5 | 12.6 | 12.9 | 13.3 |
| | 8H | 12.1 | 12.4 | 12.6 | 12.9 | 13.3 | 12.1 | 12.4 | 12.6 | 12.9 | 13.3 |
| | 12H | 12.1 | 12.4 | 12.5 | 12.8 | 13.3 | 12.1 | 12.4 | 12.5 | 12.8 | 13.2 |
| 8H | 4H | 12.1 | 12.4 | 12.6 | 12.9 | 13.3 | 12.1 | 12.4 | 12.6 | 12.9 | 13.3 |
| | 6H | 12.0 | 12.3 | 12.5 | 12.7 | 13.2 | 12.0 | 12.3 | 12.5 | 12.7 | 13.2 |
| | 8H | 12.0 | 12.2 | 12.5 | 12.7 | 13.2 | 12.0 | 12.2 | 12.5 | 12.7 | 13.2 |
| | 12H | 11.9 | 12.1 | 12.4 | 12.6 | 13.1 | 11.9 | 12.1 | 12.4 | 12.6 | 13.1 |
| 12H | 4H | 12.1 | 12.4 | 12.5 | 12.8 | 13.2 | 12.1 | 12.4 | 12.5 | 12.8 | 13.3 |
| | 6H | 12.0 | 12.2 | 12.5 | 12.7 | 13.2 | 12.0 | 12.2 | 12.5 | 12.7 | 13.2 |
| | 8H | 11.9 | 12.1 | 12.4 | 12.6 | 13.1 | 11.9 | 12.1 | 12.4 | 12.6 | 13.1 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 5.7 / -12.8 | 5.7 / -12.8 |
| | 1.5H | 8.5 / -14.7 | 8.5 / -14.7 |
| | 2.0H | 10.5 / -17.4 | 10.5 / -17.4 |