

## Reflex

Design iGuzzini

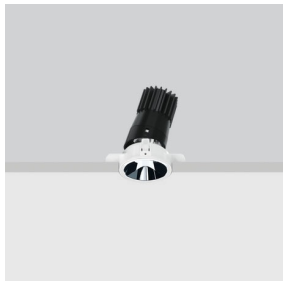
iGuzzini

Last information update: May 2024

### Product configuration: N027+PA52.01

N027: adjustable luminaire - Ø 75 mm - neutral white - medium optic - minimal

PA52.01: Minimal flange - White



#### Product code

N027: adjustable luminaire - Ø 75 mm - neutral white - medium optic - minimal **Attention! Code no longer in production**

#### Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a neutral white colour tone 4000K. Version without rim for mounting flush with ceiling. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

#### Installation

Installation flush with the ceiling is for false ceilings 12.5 mm thick

#### Colour

Aluminium (12)

#### Weight (Kg)

0.45

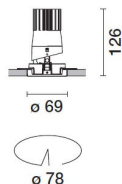
#### Mounting

ceiling recessed

#### Wiring

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations



### Accessory code

PA52.01: Minimal flange - White **Attention! Code no longer in production**

#### Technical description

Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for adjustable Reflex recessed luminaires. Made of plastic with a border for limiting plaster and holes for installation with screws and anchors suitable for plasterboard (included). Fastening the adapter to the installation surface does not require predefined panel thicknesses.

#### Installation

Preparation hole Ø 77 mm. Fastening the perforated perimeter rim to the installation surface (fixing screws included) - subsequent operations including filling, smoothing to the reference border and finishing - final insertion of the recessed luminaire (separate code) in the adapter.

#### Colour

White (01)

#### Weight (Kg)

0.05

#### Mounting

ceiling recessed

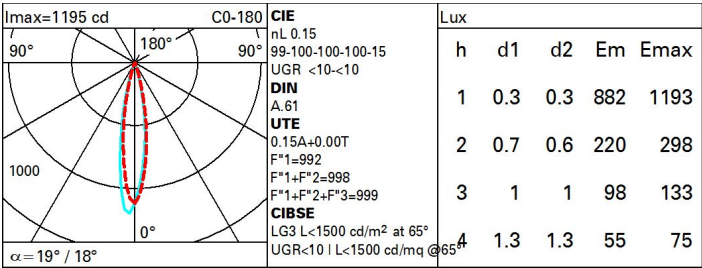
Complies with EN60598-1 and pertinent regulations



#### Technical data

|  |           |                                       |                                 |
|--|-----------|---------------------------------------|---------------------------------|
| Im system:   | 150       | CRI (minimum):                        | 80                              |
| W system:  | 8.6       | Colour temperature [K]:               | 4000                            |
| Im source:   | 1000      | MacAdam Step:                         | 2                               |
| W source:  | 6.2       | Life Time LED 1:                      | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value):            | 17.4      | Lamp code:                            | LED                             |
| Im 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.) [%]:                   | 15        | Number of optical assemblies:         | 1                               |
| Beam angle [°]:                                    | 19° / 18° | Control:                              | DALI                            |

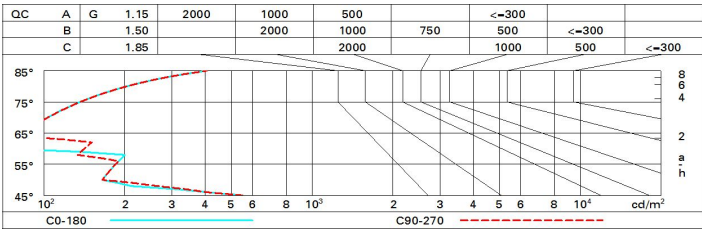
Polar



Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 13 | 13 | 12 | 12 | 13 | 12 | 12 | 12 | 78  |
| 1.0  | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 82  |
| 1.5  | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 88  |
| 2.0  | 15 | 15 | 15 | 14 | 15 | 14 | 14 | 14 | 93  |
| 2.5  | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 14 | 95  |
| 3.0  | 16 | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 97  |
| 4.0  | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 99  |
| 5.0  | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 100 |

Luminance curve limit



# UGR diagram

| Corrected UGR values (at 1000 lm bare lamp luminous flux)        |      |                     |      |      |      |      |                   |      |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |      | 0.70                | 0.70 | 0.50 | 0.50 | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 |
|  |      | 0.50                | 0.30 | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
|  |      | 0.20                | 0.20 | 0.20 | 0.20 | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
|  |      | viewed<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |      |
| 2H   | 2H   | -1.5                | 0.5  | -1.2 | 0.8  | 1.2  | 4.4               | 6.4  | 4.7  | 6.7  | 7.0  |      |
|  | 3H   | -1.6                | -0.1 | -1.2 | 0.2  | 0.5  | 4.2               | 5.7  | 4.6  | 6.0  | 6.3  |      |
|  | 4H   | -1.5                | -0.4 | -1.1 | -0.1 | 0.3  | 4.2               | 5.3  | 4.6  | 5.6  | 6.0  |      |
|  | 6H   | -1.4                | -0.5 | -1.0 | -0.2 | 0.1  | 4.2               | 5.0  | 4.5  | 5.3  | 5.6  |      |
|  | 8H   | -1.2                | -0.4 | -0.9 | -0.1 | 0.3  | 4.1               | 4.9  | 4.5  | 5.3  | 5.6  |      |
|  | 12H  | -1.1                | -0.2 | -0.7 | 0.2  | 0.6  | 4.0               | 4.9  | 4.4  | 5.3  | 5.6  |      |
| 4H   | 2H   | -1.6                | -0.5 | -1.3 | -0.2 | 0.2  | 4.2               | 5.3  | 4.6  | 5.7  | 6.0  |      |
|  | 3H   | -1.6                | -0.8 | -1.2 | -0.4 | -0.0 | 4.1               | 5.0  | 4.5  | 5.3  | 5.7  |      |
|  | 4H   | -1.6                | -0.7 | -1.2 | -0.3 | 0.1  | 3.9               | 4.9  | 4.4  | 5.3  | 5.7  |      |
|  | 6H   | -1.7                | -0.0 | -1.2 | 0.4  | 0.9  | 3.6               | 5.2  | 4.1  | 5.7  | 6.2  |      |
|  | 8H   | -1.5                | 0.3  | -1.0 | 0.8  | 1.3  | 3.5               | 5.3  | 4.0  | 5.8  | 6.3  |      |
|  | 12H  | -1.2                | 0.7  | -0.7 | 1.2  | 1.7  | 3.4               | 5.3  | 3.9  | 5.8  | 6.3  |      |
| 8H   | 4H   | -2.0                | -0.2 | -1.5 | 0.3  | 0.8  | 3.6               | 5.4  | 4.1  | 5.9  | 6.4  |      |
|  | 6H   | -1.7                | 0.0  | -1.1 | 0.5  | 1.1  | 3.5               | 5.2  | 4.0  | 5.7  | 6.2  |      |
|  | 8H   | -1.2                | 0.2  | -0.7 | 0.7  | 1.2  | 3.6               | 5.0  | 4.1  | 5.5  | 6.0  |      |
|  | 12H  | -0.5                | 0.5  | 0.0  | 1.0  | 1.5  | 3.7               | 4.7  | 4.2  | 5.2  | 5.7  |      |
| 12H  | 4H   | -2.1                | -0.2 | -1.6 | 0.3  | 0.8  | 3.6               | 5.5  | 4.1  | 6.0  | 6.5  |      |
|  | 6H   | -1.5                | -0.1 | -1.0 | 0.4  | 0.9  | 3.7               | 5.1  | 4.2  | 5.6  | 6.1  |      |
|  | 8H   | -1.0                | 0.0  | -0.5 | 0.5  | 1.0  | 3.8               | 4.8  | 4.4  | 5.3  | 5.9  |      |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |      |
| S =  | 1.0H |                     |      | 3.2  | /    | -2.5 |                   |      |      | 8.1  | /    | -6.6 |
|  | 1.5H |                     |      | 5.6  | /    | -2.8 |                   |      |      | 10.8 | /    | -6.8 |
|  | 2.0H |                     |      | 7.4  | /    | -3.0 |                   |      |      | 12.8 | /    | -7.1 |