# Reflex

**Design iGuzzini** **iGuzzini**

Last information update: May 2024

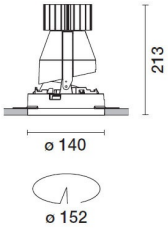
**Product configuration: N054.Y+PA58.01**
N054.Y: adjustable luminaire - Ø 153 mm - neutral white - medium optic - minimal
PA58.01: Minimal flange - White

**Product code**
N054.Y: adjustable luminaire - Ø 153 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 | Weight (Kg) |
|---|---|
| Aluminium (12) | 1.43 |




**Mounting**
ceiling recessed

**Wiring**
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP23 pending

**Accessory code**
PA58.01: 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 152 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 | Weight (Kg) |
|---|---|
| White (01) | 0.06 |

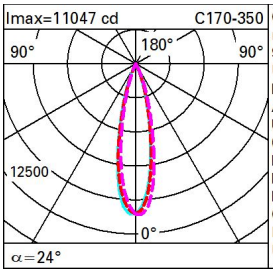
**Mounting**
ceiling recessed

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2175 | CRI (minimum): | 80 |
| W system: | 29.4 | Colour temperature [K]: | 4000 |
| lm source: | 3700 | MacAdam Step: | 2 |
| W source: | 27 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 74 | 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.) [%]: | 59 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 24° | Control: | On/off |

**Polar**




**CIE**
nL 0.59
99-100-100-100-59
UGR <10-<10
**DIN**
A.61
**UTE**
0.59A+0.00T
F"1=994
F"1+F"2=999
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

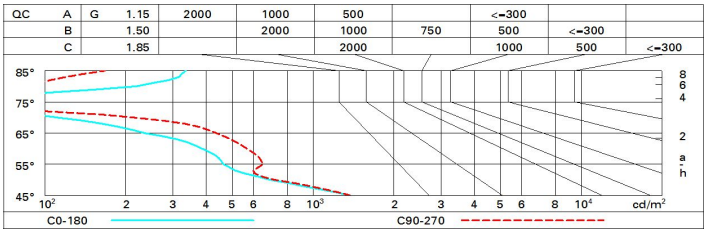
Lux

| h | d1 | d2 | Em | Emax |
|---|---|---|---|---|
| 2 | 0.9 | 0.9 | 2178 | 2758 |
| 4 | 1.7 | 1.7 | 545 | 689 |
| 6 | 2.6 | 2.6 | 242 | 306 |
| 8 | 3.4 | 3.4 | 136 | 172 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 53 | 50 | 48 | 47 | 50 | 48 | 48 | 46 | 78 |
| 1.0 | 55 | 53 | 51 | 50 | 52 | 51 | 50 | 49 | 83 |
| 1.5 | 58 | 56 | 55 | 54 | 56 | 54 | 54 | 52 | 88 |
| 2.0 | 60 | 59 | 57 | 57 | 58 | 57 | 56 | 55 | 93 |
| 2.5 | 61 | 60 | 59 | 59 | 59 | 58 | 58 | 56 | 96 |
| 3.0 | 62 | 61 | 60 | 60 | 60 | 60 | 59 | 57 | 98 |
| 4.0 | 62 | 62 | 62 | 61 | 61 | 61 | 60 | 58 | 99 |
| 5.0 | 63 | 62 | 62 | 62 | 62 | 61 | 60 | 59 | 100 |

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 3700 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 | -2.1 | -0.0 | -1.8 | 0.3 | 0.6 | 0.2 | 2.3 | 0.6 | 2.7 | 3.0 |
| | 3H | -2.3 | -0.7 | -1.9 | -0.3 | 0.0 | 0.1 | 1.8 | 0.5 | 2.1 | 2.4 |
| | 4H | -2.3 | -1.0 | -1.9 | -0.7 | -0.3 | 0.1 | 1.4 | 0.5 | 1.8 | 2.1 |
| | 6H | -2.3 | -1.3 | -1.9 | -1.0 | -0.6 | 0.1 | 1.0 | 0.5 | 1.4 | 1.7 |
| | 8H | -2.1 | -1.1 | -1.7 | -0.8 | -0.4 | 0.0 | 1.0 | 0.4 | 1.3 | 1.7 |
| | 12H | -2.0 | -1.0 | -1.6 | -0.7 | -0.3 | -0.0 | 0.9 | 0.4 | 1.3 | 1.7 |
| 4H | 2H | -2.3 | -1.0 | -1.9 | -0.6 | -0.3 | 0.2 | 1.5 | 0.6 | 1.8 | 2.2 |
| | 3H | -2.4 | -1.4 | -2.0 | -1.1 | -0.7 | 0.2 | 1.1 | 0.6 | 1.5 | 1.8 |
| | 4H | -2.5 | -1.6 | -2.1 | -1.2 | -0.8 | 0.1 | 1.0 | 0.5 | 1.4 | 1.8 |
| | 6H | -2.7 | -1.0 | -2.2 | -0.5 | -0.1 | -0.3 | 1.4 | 0.2 | 1.8 | 2.3 |
| | 8H | -2.4 | -0.4 | -1.9 | 0.0 | 0.5 | -0.5 | 1.5 | 0.0 | 1.9 | 2.4 |
| | 12H | -2.1 | -0.1 | -1.6 | 0.4 | 0.9 | -0.6 | 1.4 | -0.0 | 1.9 | 2.4 |
| 8H | 4H | -3.0 | -1.1 | -2.5 | -0.6 | -0.1 | -0.4 | 1.5 | 0.1 | 1.9 | 2.4 |
| | 6H | -2.8 | -1.0 | -2.3 | -0.5 | -0.0 | -0.5 | 1.3 | -0.0 | 1.8 | 2.3 |
| | 8H | -2.1 | -0.5 | -1.6 | -0.0 | 0.5 | -0.5 | 1.1 | -0.0 | 1.6 | 2.1 |
| | 12H | -1.3 | -0.2 | -0.8 | 0.3 | 0.8 | -0.4 | 0.7 | 0.1 | 1.2 | 1.7 |
| 12H | 4H | -3.1 | -1.1 | -2.6 | -0.7 | -0.1 | -0.5 | 1.5 | -0.0 | 1.9 | 2.5 |
| | 6H | -2.8 | -1.2 | -2.3 | -0.7 | -0.2 | -0.5 | 1.1 | 0.0 | 1.6 | 2.1 |
| | 8H | -1.9 | -0.8 | -1.4 | -0.3 | 0.2 | -0.4 | 0.7 | 0.1 | 1.2 | 1.8 |

Variations with the observer position at spacing:

| | | | |
|---|---|---|---|
| S = | 1.0H | 2.6 / -2.5 | 5.2 / -4.5 |
| | 1.5H | 4.9 / -3.2 | 7.6 / -5.0 |
| | 2.0H | 6.7 / -3.5 | 9.6 / -6.9 |