

## Reflex

Design iGuzzini

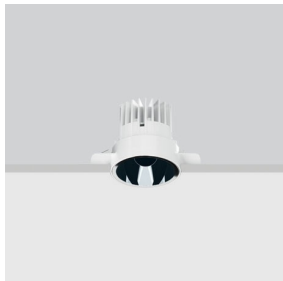
iGuzzini

Last information update: April 2024

### Product configuration: Q963+PA53.01

Q963: Fixed circular recessed luminaire - Ø 96 mm - warm white - wide flood optic - UGR<19

PA53.01: Minimal flange - White



#### Product code

Q963: Fixed circular recessed luminaire - Ø 96 mm - warm white - wide flood optic - UGR<19 **Attention! Code no longer in production**

#### Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version without rim for mounting flush with ceiling. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI 90 (2700K). General light emission, with controlled luminance UGR<19 1500 cd/m2  $\alpha$ >65° wide flood optic.

#### Installation

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

#### Colour

Aluminium (12)

#### Weight (Kg)

0.68

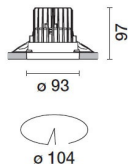
#### Mounting

ceiling recessed

#### Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20

IP54



### Accessory code

PA53.01: Minimal flange - White **Attention! Code no longer in production**

#### Technical description

Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for fixed 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 104 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

lm system: 1146

W system: 13.9

lm source: 1550

W source: 12

Luminous efficiency (lm/W, real value): 82.4

lm in emergency mode: -

Total light flux at or above an angle of 90° [Lm]: 0

Light Output Ratio (L.O.R.) [%]: 74

Beam angle [°]: 44°

CRI (minimum): 90

Colour temperature [K]: 2700

MacAdam Step: 2

Life Time LED 1: > 50,000h - L80 - B10 (Ta 25°C)

Lamp code: LED

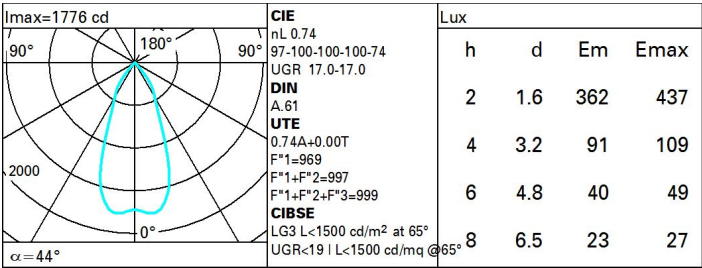
Number of lamps for optical assembly: 1

ZVEI Code: LED

Number of optical assemblies: 1

Control: DALI

Polar



# UGR diagram

Corrected UGR values (at 1550 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim 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 crosswise					viewed endwise					
2H	2H	17.6	18.2	17.9	18.5	18.7	17.6	18.2	17.9	18.5	18.7	
	3H	17.4	18.0	17.8	18.3	18.6	17.4	18.0	17.7	18.3	18.6	
	4H	17.4	17.9	17.7	18.2	18.5	17.4	17.9	17.7	18.2	18.5	
	6H	17.3	17.8	17.6	18.1	18.4	17.3	17.8	17.6	18.1	18.4	
	8H	17.3	17.8	17.6	18.1	18.4	17.2	17.7	17.6	18.1	18.4	
	12H	17.2	17.7	17.6	18.0	18.4	17.2	17.7	17.6	18.0	18.4	
4H	2H	17.4	17.9	17.7	18.2	18.5	17.4	17.9	17.7	18.2	18.5	
	3H	17.2	17.7	17.6	18.0	18.4	17.2	17.7	17.6	18.0	18.4	
	4H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3	
	6H	17.1	17.4	17.5	17.8	18.2	17.0	17.4	17.5	17.8	18.2	
	8H	17.0	17.3	17.5	17.8	18.2	17.0	17.3	17.4	17.7	18.2	
	12H	17.0	17.3	17.4	17.7	18.2	17.0	17.3	17.4	17.7	18.1	
8H	4H	17.0	17.3	17.4	17.7	18.2	17.0	17.3	17.5	17.8	18.2	
	6H	16.9	17.2	17.4	17.6	18.1	16.9	17.2	17.4	17.6	18.1	
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1	
	12H	16.8	17.0	17.3	17.5	18.0	16.8	17.0	17.3	17.5	18.0	
12H	4H	17.0	17.3	17.4	17.7	18.1	17.0	17.3	17.4	17.7	18.2	
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1	
	8H	16.8	17.0	17.3	17.5	18.0	16.8	17.0	17.3	17.5	18.0	
Variations with the observer position at spacing:												
S =		1.0H	4.5 / -14.0					4.5 / -14.0				
		1.5H	7.3 / -14.3					7.3 / -14.3				
		2.0H	9.3 / -14.3					9.3 / -14.3				