

Reflex

Design iGuzzini

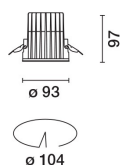
iGuzzini

Last information update: May 2025

Product configuration: QM48.Y+PA53.01

QM48.Y: Minimal fixed recessed luminaire Ø 96 mm - Medium beam - UGR < 19 - DALI.

PA53.01: Minimal flange - For recessed Ø 96 mm version - White



Product code

QM48.Y: Minimal fixed recessed luminaire Ø 96 mm - Medium beam - UGR < 19 - DALI. **Attention! Code no longer in production**

Technical description

Fixed round recessed luminaire for C.o.B. LED lamp. UGR<19 controlled luminance light emission. Version without rim for mounting flush with ceiling. Die-cast aluminium recessed structure for installation in a specific adapter with a separate code is available for false ceilings. This is indispensable for installing recessed luminaires. Reflector vacuum-metallised with aluminium vapours and finished with a protective anti-scratch layer and anti-fall retaining system. DALI dimmable control gear unit included.

Installation

The luminaire is recessed in the adapter (PA53) by means of a steel wire spring, previously installed on the ceiling. A spring lock / unlock system simplifies installation and eventual maintenance operations.

Colour

Aluminium (12)

Weight (Kg)

0.58

Mounting

ceiling recessed

Wiring

Power line connections can be made on control gear terminal board included.

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of the product once installed



Accessory code

PA53.01: Minimal flange - For recessed Ø 96 mm version - 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

Im system:	1129	CRI (minimum):	90
W system:	14.1	Colour temperature [K]:	2700
Im source:	1550	MacAdam Step:	2
W source:	12	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	80.1	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.) [%]:	73	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2

	Imax =3514 cd		CIE nL 0.73 97-100-100-100-73 UGR 16.3-16.3		Lux			
			DIN A.61		h	d	Em	Emax
			UTE 0.73A+0.00T F*1=97.3 F*1+F*2=999 F*1+F*2+F*3=1000		2	0.9	685	878
			CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65°		4	1.7	171	220
	$\alpha = 24^\circ$				6	2.6	76	98
				8	3.4	43	55	

R	77	75	73	71	55	53	33	00	DDR
K0.8	65	61	59	57	61	58	58	56	77
1.0	68	65	62	61	64	62	62	59	81
1.5	72	69	67	66	68	67	66	64	88
2.0	74	72	71	70	71	70	69	67	92
2.5	75	74	73	72	73	72	71	69	95
3.0	76	75	75	74	74	73	73	71	97
4.0	77	76	76	75	75	75	74	72	99
5.0	78	77	77	76	76	76	74	73	100

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

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	17.1	18.8	17.5	19.1	19.4	17.1	18.8	17.5	19.1	19.4	
	3H	17.0	18.3	17.4	18.6	18.9	17.0	18.3	17.4	18.6	18.9	
	4H	16.9	18.1	17.3	18.4	18.7	16.9	18.1	17.3	18.4	18.7	
	6H	16.8	18.0	17.2	18.3	18.7	16.8	18.0	17.2	18.3	18.7	
	8H	16.8	17.9	17.2	18.3	18.6	16.8	17.9	17.2	18.3	18.6	
	12H	16.7	17.8	17.1	18.2	18.6	16.7	17.8	17.1	18.2	18.6	
4H	2H	16.9	18.1	17.3	18.4	18.7	16.9	18.1	17.3	18.4	18.7	
	3H	16.7	17.8	17.1	18.2	18.6	16.7	17.8	17.1	18.2	18.6	
	4H	16.6	17.6	17.0	18.0	18.5	16.6	17.6	17.0	18.0	18.5	
	6H	16.4	17.7	16.9	18.1	18.6	16.4	17.7	16.9	18.1	18.6	
	8H	16.3	17.7	16.8	18.2	18.6	16.3	17.7	16.8	18.2	18.6	
	12H	16.1	17.7	16.6	18.2	18.7	16.1	17.7	16.6	18.2	18.7	
8H	4H	16.3	17.7	16.8	18.2	18.6	16.3	17.7	16.8	18.2	18.6	
	6H	16.1	17.6	16.6	18.1	18.6	16.1	17.6	16.6	18.1	18.6	
	8H	16.1	17.4	16.6	17.9	18.4	16.1	17.4	16.6	17.9	18.4	
	12H	16.2	17.1	16.7	17.6	18.1	16.2	17.1	16.7	17.6	18.1	
12H	4H	16.1	17.7	16.6	18.2	18.7	16.1	17.7	16.6	18.2	18.7	
	6H	16.1	17.4	16.6	17.9	18.4	16.1	17.4	16.6	17.9	18.4	
	8H	16.2	17.1	16.7	17.6	18.1	16.2	17.1	16.7	17.6	18.1	
Variations with the observer position at spacing:												
S =		1.0H	4.4 / -22.6				4.4 / -22.6					
		1.5H	7.2 / -22.8				7.2 / -22.8					
		2.0H	9.2 / -23.1				9.2 / -23.1					