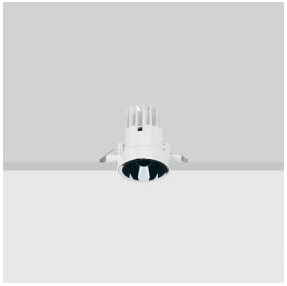
Reflex

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MV42.Y+PA51.01
MV42.Y: Fixed circular recessed luminaire - Ø 75 mm - neutral white - flood optic - UGR<19
PA51.01: Minimal flange - White



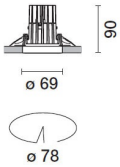
Product code
MV42.Y: Fixed circular recessed luminaire - Ø 75 mm - neutral white - flood optic - UGR<19 **Attention! Code no longer in production**

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 neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α>65° flood optic.

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

Colour	Weight (Kg)
Aluminium (12)	0.42

Mounting
ceiling recessed



Wiring
product complete with DALI components

Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Accessory code
PA51.01: 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 78 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)	0.05

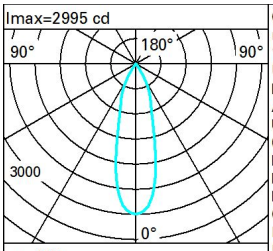
Mounting
ceiling recessed

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	1012	CRI (minimum):	80
W system:	10.4	Colour temperature [K]:	4000
lm source:	1300	MacAdam Step:	2
W source:	8.4	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	97.3	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	DALI

Polar



CIE
nL 0.78
100-100-100-100-78
UGR 11.9-11.9
DIN
A.61
UTE
0.78A+0.00T
F"1=996
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @65°

Lux

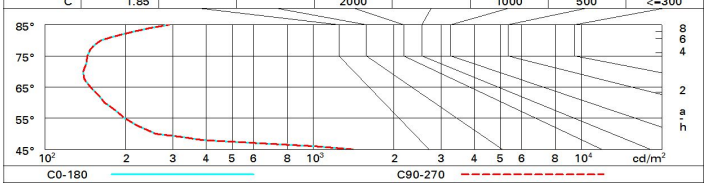
h	d	Em	Emax
2	1	603	749
4	2	151	187
6	3	67	83
8	4	38	47

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	64	63	61	78
1.0	73	70	68	66	69	67	67	64	83
1.5	77	75	73	71	74	72	71	69	89
2.0	79	78	76	75	76	75	74	72	93
2.5	81	79	78	78	78	77	77	74	96
3.0	82	81	80	79	80	79	78	76	98
4.0	83	82	82	81	81	80	79	77	99
5.0	83	83	82	82	81	81	80	78	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 1300 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	12.9	14.9	13.2	15.2	15.5	12.9	14.9	13.2	15.2	15.5
	3H	12.7	14.3	13.1	14.6	15.0	12.7	14.3	13.1	14.6	15.0
	4H	12.6	14.0	13.0	14.4	14.7	12.6	14.0	13.0	14.4	14.7
	6H	12.6	13.8	12.9	14.1	14.5	12.6	13.8	12.9	14.1	14.5
	8H	12.5	13.7	12.9	14.1	14.5	12.5	13.7	12.9	14.1	14.4
	12H	12.5	13.6	12.9	14.0	14.4	12.5	13.6	12.9	14.0	14.4
4H	2H	12.6	14.0	13.0	14.4	14.7	12.6	14.0	13.0	14.4	14.7
	3H	12.5	13.6	12.9	14.0	14.4	12.5	13.6	12.9	14.0	14.4
	4H	12.4	13.4	12.8	13.8	14.2	12.4	13.4	12.8	13.8	14.2
	6H	12.1	13.6	12.5	14.1	14.5	12.1	13.6	12.5	14.0	14.5
	8H	11.9	13.7	12.4	14.1	14.6	11.9	13.7	12.4	14.1	14.6
	12H	11.8	13.7	12.3	14.1	14.7	11.8	13.7	12.3	14.1	14.7
8H	4H	11.9	13.7	12.4	14.1	14.6	11.9	13.7	12.4	14.1	14.6
	6H	11.8	13.5	12.3	14.0	14.5	11.8	13.5	12.3	14.0	14.5
	8H	11.8	13.3	12.3	13.8	14.4	11.8	13.3	12.3	13.8	14.4
	12H	11.9	12.9	12.5	13.4	13.9	11.9	12.9	12.5	13.4	13.9
12H	4H	11.8	13.7	12.3	14.1	14.7	11.8	13.7	12.3	14.1	14.7
	6H	11.8	13.3	12.3	13.8	14.4	11.8	13.3	12.3	13.8	14.4
	8H	11.9	12.9	12.5	13.4	13.9	11.9	12.9	12.5	13.4	13.9

Variations with the observer position at spacing:

S =	1.0H	6.3 / -21.8	6.3 / -21.8
	1.5H	9.1 / -22.1	9.1 / -22.1
	2.0H	11.1 / -22.3	11.1 / -22.3