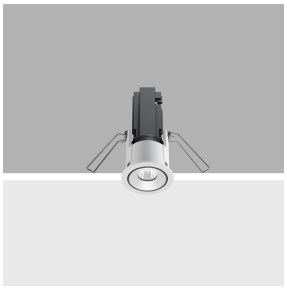
Laser

Design iGuzzini **iGuzzini**

Last information update: November 2024

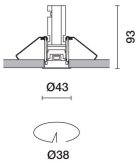
Product configuration: QY52
QY52: Fixed round recessed luminaire - LED - medium - Super Comfort



Product code
QY52: Fixed round recessed luminaire - LED - medium - Super Comfort

Technical description
Round recessed luminaire with contact frame. Super Comfort fixed version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. The main die-cast aluminium body includes a radiant surface that guarantees optimal heat dissipation. Metallised, thermoplastic, high definition reflector - medium optic (25°). Structure featuring a die-cast aluminium external contact frame with a white finish only. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass screen included. Quick, easy, tool-free assembly. 3000K high colour rendering index LED lamp. The power supply unit is available with a separte item code.

Installation
With steel wire anti-fall springs for recessed installation in false ceilings - minimum thickness of false ceiling 1 mm - preparation hole Ø 38 mm



Colour
White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | White / Chrome (E4)* | White / burnished chrome (E7)* | White / gold satin-finish (E9)*

* Colours on request

Weight (Kg)
0.14

Mounting
wall recessed|ceiling recessed

Wiring
Direct current ballasts available with separate item codes: ON-OFF / 1-10V dimmable / DALI dimmable / Phase Cut dimmable.

Notes
A wide range of decorative accessories and diffusers is available.

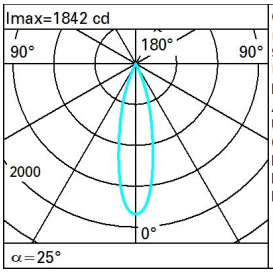
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	422	CRI (minimum):	90
W system:	6.7	Colour temperature [K]:	3000
lm source:	680	MacAdam Step:	2
W source:	6.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	62.9	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.) [%]:	62	Number of optical assemblies:	1
Beam angle [°]:	26°	LED current [mA]:	550

Polar



CIE
nL 0.62
98-99-100-100-62
UGR 13.4-13.6
DIN
A.61
UTE
0.62A+0.00T
F"1=984
F"1+F"2=995
F"1+F"2+F"3=1000

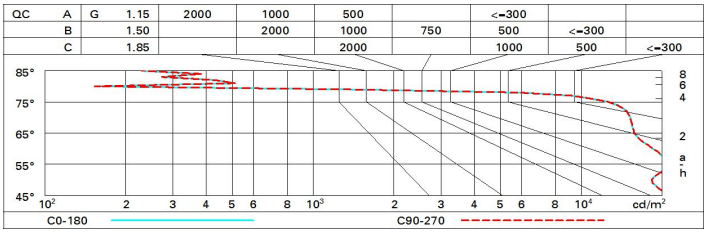
Lux

h	d	Em	Emax
2	0.9	358	460
4	1.8	90	115
6	2.7	40	51
8	3.6	22	29

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	56	53	51	49	52	50	50	48	77
1.0	58	55	53	52	55	53	53	51	82
1.5	61	59	57	56	58	57	56	54	88
2.0	63	62	60	59	61	60	59	57	92
2.5	64	63	62	61	62	61	61	59	95
3.0	65	64	64	63	63	63	62	60	97
4.0	66	65	65	64	64	64	63	61	99
5.0	66	66	65	65	65	64	63	62	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 680 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 crosswise					viewed endwise		
x	y										
2H	2H	11.8	13.9	12.1	14.2	14.5	11.8	13.9	12.1	14.2	14.5
	3H	12.7	14.4	13.1	14.7	15.1	12.1	13.7	12.4	14.1	14.4
	4H	13.1	14.5	13.5	14.8	15.2	12.2	13.6	12.6	13.9	14.2
	6H	13.2	14.2	13.6	14.6	14.9	12.3	13.3	12.6	13.6	14.0
	8H	13.2	14.2	13.5	14.5	14.9	12.2	13.3	12.6	13.6	14.0
	12H	13.1	14.1	13.5	14.5	14.8	12.2	13.2	12.6	13.6	13.9
4H	2H	12.2	13.6	12.6	13.9	14.2	13.1	14.5	13.5	14.8	15.2
	3H	13.4	14.4	13.8	14.8	15.2	13.7	14.7	14.1	15.0	15.4
	4H	13.9	14.8	14.3	15.2	15.6	13.9	14.8	14.3	15.2	15.6
	6H	13.6	15.3	14.1	15.7	16.2	13.7	15.4	14.2	15.8	16.3
	8H	13.4	15.4	13.9	15.8	16.3	13.6	15.5	14.1	15.9	16.4
	12H	13.3	15.3	13.9	15.8	16.3	13.5	15.4	14.0	15.9	16.4
8H	4H	13.6	15.5	14.1	15.9	16.4	13.4	15.4	13.9	15.8	16.3
	6H	13.6	15.4	14.1	15.9	16.4	13.5	15.3	14.0	15.8	16.4
	8H	13.5	15.2	14.1	15.7	16.2	13.5	15.2	14.1	15.7	16.2
	12H	13.7	14.8	14.2	15.3	15.8	13.7	14.8	14.2	15.3	15.8
12H	4H	13.5	15.4	14.0	15.9	16.4	13.3	15.3	13.9	15.8	16.3
	6H	13.5	15.2	14.1	15.7	16.2	13.5	15.1	14.0	15.6	16.2
	8H	13.7	14.8	14.2	15.3	15.8	13.7	14.8	14.2	15.3	15.8

Variations with the observer position at spacing:

S =			
	1.0H	1.1 / -0.5	1.1 / -0.5
	1.5H	2.1 / -1.1	2.1 / -1.1
	2.0H	3.4 / -1.6	3.4 / -1.6