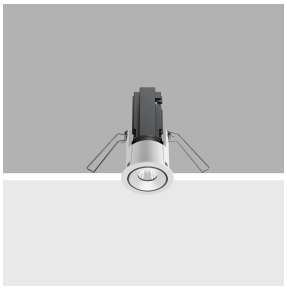
Laser

Design iGuzzini **iGuzzini**

Last information update: May 2025

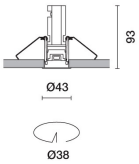
Product configuration: QY53.01
QY53.01: Fixed round recessed luminaire - LED - flood - Super Comfort - 6.7W 476lm - 3000K - CRI 90 - White



Product code
QY53.01: Fixed round recessed luminaire - LED - flood - Super Comfort - 6.7W 476lm - 3000K - CRI 90 - White

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 - flood optic. 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	**Weight (Kg)**
White (01)	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.

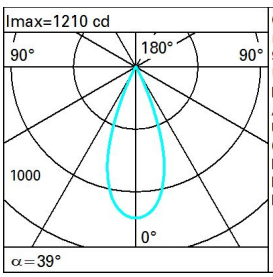
Complies with EN60598-1 and pertinent regulations

IP20 IP43 On the visible part of the product once installed

Technical data

lm system:	476	Rf (Colour Fidelity Index):	92
W system:	6.7	Rg (Gamut Index):	99
lm source:	680	Colour temperature [K]:	3000
W source:	6.7	MacAdam Step:	2
Luminous efficiency (lm/W, real value):	71	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	70	ZVEI Code:	LED
Beam angle [°]:	40°	Number of optical assemblies:	1
CRI (minimum):	90	LED current [mA]:	550

Polar



CIE
nL 0.70
98-99-100-100-70
UGR 15.3-15.4
DIN
A.61
UTE
0.70A+0.00T
F"1=982
F"1+F"2=995
F"1+F"2+F"3=1000

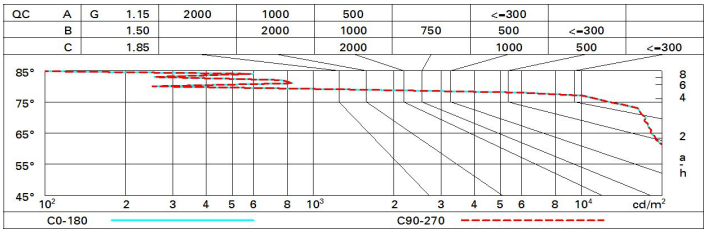
Lux

h	d	Em	Emax
1	0.7	950	1210
2	1.4	238	302
3	2.1	106	134
4	2.8	59	76

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	59	57	55	59	57	56	54	77
1.0	66	63	60	59	62	60	60	57	82
1.5	69	67	65	63	66	64	64	61	88
2.0	71	69	68	67	68	67	67	65	92
2.5	72	71	70	69	70	69	69	67	95
3.0	73	73	72	71	71	71	70	68	97
4.0	74	74	73	73	72	72	71	69	99
5.0	75	74	74	74	73	73	72	70	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	14.0	14.5	14.3	14.8	15.0	14.0	14.5	14.3	14.8	15.0
	3H	14.6	15.1	15.0	15.4	15.7	14.2	14.7	14.5	14.9	15.2
	4H	14.9	15.3	15.2	15.6	15.9	14.2	14.7	14.6	15.0	15.3
	6H	14.8	15.3	15.2	15.6	15.9	14.2	14.7	14.6	15.0	15.3
	8H	14.8	15.2	15.2	15.6	15.9	14.2	14.6	14.6	14.9	15.3
	12H	14.8	15.2	15.1	15.5	15.9	14.2	14.6	14.5	14.9	15.2
4H	2H	14.2	14.7	14.6	15.0	15.3	14.9	15.3	15.2	15.6	15.9
	3H	15.1	15.5	15.4	15.8	16.2	15.2	15.6	15.6	15.9	16.3
	4H	15.3	15.7	15.7	16.1	16.4	15.3	15.7	15.7	16.1	16.4
	6H	15.3	15.6	15.8	16.0	16.5	15.4	15.7	15.8	16.1	16.5
	8H	15.3	15.6	15.7	16.0	16.4	15.4	15.7	15.8	16.1	16.5
	12H	15.2	15.5	15.7	15.9	16.4	15.3	15.6	15.8	16.0	16.5
8H	4H	15.4	15.7	15.8	16.1	16.5	15.3	15.6	15.7	16.0	16.4
	6H	15.4	15.6	15.8	16.0	16.5	15.3	15.6	15.8	16.0	16.5
	8H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
	12H	15.3	15.4	15.8	15.9	16.4	15.3	15.4	15.8	15.9	16.4
12H	4H	15.3	15.6	15.8	16.0	16.5	15.2	15.5	15.7	15.9	16.4
	6H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
	8H	15.3	15.4	15.8	15.9	16.4	15.3	15.4	15.8	15.9	16.4

Variations with the observer position at spacing:

S =			
	1.0H	2.6 / -1.1	2.6 / -1.1
	1.5H	4.6 / -2.0	4.6 / -2.0
	2.0H	6.3 / -2.3	6.3 / -2.3