Laser

Design iGuzzini **iGuzzini**

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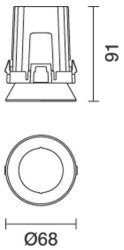


Fixed round recessed luminaire - Minimal - wide flood - Super Comfort

Product code
QA59

Technical description
Minimal round recessed luminaire (frameless). 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 body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wide flood optic. Die-cast aluminium structure designed for flush with ceiling installation - a specific adapter with a separate code is available for false ceilings. This is indispensable for installing recessed luminaires. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass included LED lamp with high color rendering index. Power unit available with a separate code no.

Installation
The luminaire is recessed in the adapter (QA82) by means of an anti-fall steel wire spring, previously installed on the ceiling that can be between 12.5 and 25 mm thick. A special steel spring required to extract the main body of the adapter after it has been installed is included in the package.

Dimension (mm)
Ø68x91

Colour
White (01) | Black (04) | Chrome (10) | Brass (14) | (E6) | (E8)

Weight (Kg)
0.13

Mounting
ceiling recessed

Wiring
Direct current ballasts are available with a separate code no.: ON-OFF / 1-10V dimmable / DALI dimmable / Trailing Edge dimmable - the recessed fitting includes a cable and a quick-coupling connector to connect it to the connector on the ballast.

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

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: QA59.01+QA82.04
QA82.04: Frame / adapter for Minimal round fixed recessed luminaire Ø75 - Black

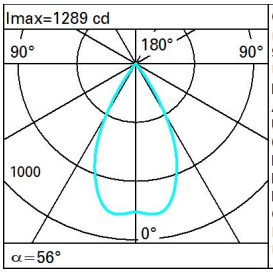
Product characteristics

Total lighting output [Lm]: 960	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 10	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 96	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 80	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 0
Nominal power [W]: 10	Colour temperature [K]: 3000
Nominal luminous [Lm]: 1200	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 56°	MacAdam Step: 2

Polar



CIE
nL 0.80
98-100-100-100-80
UGR 15.9-15.9
DIN
A.61
UTE
0.80A+0.00T
F"1=979
F"1+F"2=996
F"1+F"2+F"3=999
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

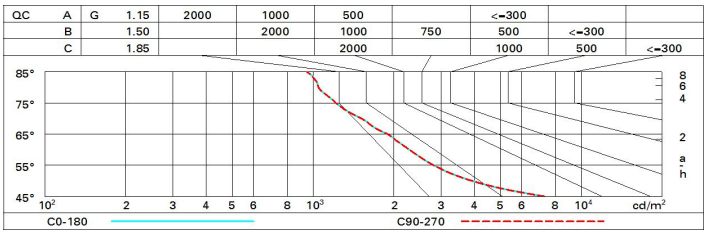
Lux

h	d	Em	Emax
1	1.1	998	1269
2	2.1	250	317
3	3.2	111	141
4	4.3	62	79

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	65	64	62	77
1.0	75	71	69	67	71	68	68	65	82
1.5	79	76	74	72	75	73	73	70	88
2.0	81	79	78	76	78	77	76	74	92
2.5	83	81	80	79	80	79	78	76	95
3.0	84	83	82	81	81	81	80	78	97
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	84	84	83	83	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1200 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	16.4	17.0	16.6	17.2	17.4	16.4	17.0	16.6	17.2	17.4
	3H	16.2	16.8	16.6	17.1	17.3	16.2	16.8	16.5	17.0	17.3
	4H	16.2	16.7	16.5	17.0	17.3	16.2	16.7	16.5	17.0	17.3
	6H	16.1	16.6	16.5	16.9	17.2	16.1	16.5	16.4	16.9	17.2
	8H	16.1	16.5	16.4	16.9	17.2	16.1	16.5	16.4	16.8	17.2
	12H	16.0	16.5	16.4	16.8	17.2	16.0	16.4	16.4	16.8	17.1
4H	2H	16.2	16.7	16.5	17.0	17.3	16.2	16.7	16.5	17.0	17.3
	3H	16.0	16.5	16.4	16.8	17.2	16.1	16.5	16.4	16.8	17.2
	4H	16.0	16.4	16.4	16.7	17.1	16.0	16.4	16.4	16.7	17.1
	6H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	8H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	12H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
8H	4H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	6H	15.8	16.0	16.3	16.5	17.0	15.8	16.0	16.3	16.5	17.0
	8H	15.7	16.0	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
	12H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
12H	4H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
	6H	15.7	15.9	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
	8H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9

Variations with the observer position at spacing:

S =	1.0H	6.1 / -9.6	6.1 / -9.6
	1.5H	8.9 / -10.4	8.9 / -10.4
	2.0H	10.8 / -11.0	10.8 / -11.0