Laser

Design iGuzzini **iGuzzini**

Last information update: June 2018

Fixed round recessed luminaire - Warm Dimming - wide flood - Super Comfort

Product code
Q811

Technical description
Round recessed luminaire with contact frame. Fixed Super Comfort version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. LED Warm Dimming: when the lamp is dimmed the colour temperature varies from 2700K to 1800K in order to maintain a high color rendering index. 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 (58°). Structure with die-cast aluminium external contact frame with a single white finish. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass included Quick and easy tool free assembly. High color rendering index 2700K LED. Power unit available with a separate code no.

Installation
Recessed in a false ceiling by means of an anti-fall steel wire spring - minimum thickness of false ceiling: 1 mm - preparation hole Ø 75 mm.

Dimension (mm)
Ø83x89

Colour
White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | White/Chrome (E4) | (E7) | (E9)

Weight (Kg)
0.26

Mounting
wall recessed|ceiling recessed

Wiring
Direct current ballasts are available with a separate code no.: dimmable DALI - 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

III IP20 IP44 On the visible part of the product once installed

Product configuration: Q811.01

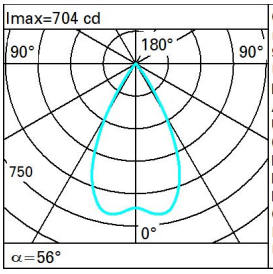
Product characteristics

Total lighting output [Lm]: 538	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 10	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 53.8	Voltage [V]: -
Life Time: > 50,000h - L70 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 84	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]: /
Nominal luminous [Lm]: 640	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 53° / 56°	MacAdam Step: 3

Polar



CIE
nL 0.84
98-99-100-100-84
UGR 13.7-13.7
DIN
A.61
UTE
0.84A+0.00T
F"1=976
F"1+F"2=994
F"1+F"2+F"3=999
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @65°

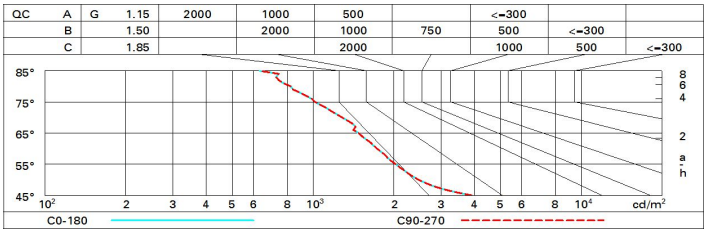
Lux

h	d	Em	Emax
1	1.1	552	682
2	2.1	138	170
3	3.2	61	76
4	4.3	35	43

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	67	64	77
1.0	78	75	72	70	74	71	71	68	81
1.5	83	80	78	76	79	77	76	73	87
2.0	85	83	82	80	82	81	80	77	92
2.5	87	85	84	83	84	83	82	80	95
3.0	88	87	86	85	85	85	84	81	97
4.0	89	88	88	87	87	86	85	83	99
5.0	90	89	88	88	88	87	86	84	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 640 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	14.1	14.7	14.3	14.9	15.1	14.1	14.7	14.3	14.9	15.1
	3H	14.0	14.5	14.3	14.8	15.1	14.0	14.5	14.3	14.8	15.0
	4H	13.9	14.5	14.3	14.7	15.0	13.9	14.4	14.2	14.7	15.0
	6H	13.9	14.4	14.2	14.7	15.0	13.8	14.3	14.2	14.6	14.9
	8H	13.9	14.3	14.2	14.6	15.0	13.8	14.2	14.1	14.6	14.9
	12H	13.8	14.3	14.2	14.6	14.9	13.7	14.2	14.1	14.5	14.9
4H	2H	13.9	14.4	14.2	14.7	15.0	13.9	14.5	14.3	14.7	15.0
	3H	13.8	14.3	14.2	14.6	15.0	13.8	14.3	14.2	14.6	15.0
	4H	13.8	14.2	14.2	14.5	14.9	13.8	14.2	14.2	14.5	14.9
	6H	13.7	14.1	14.2	14.5	14.9	13.7	14.0	14.1	14.4	14.9
	8H	13.7	14.0	14.1	14.4	14.9	13.7	14.0	14.1	14.4	14.8
	12H	13.7	13.9	14.1	14.4	14.8	13.6	13.9	14.1	14.3	14.8
8H	4H	13.7	14.0	14.1	14.4	14.8	13.7	14.0	14.1	14.4	14.9
	6H	13.6	13.9	14.1	14.3	14.8	13.6	13.9	14.1	14.3	14.8
	8H	13.6	13.8	14.1	14.3	14.8	13.6	13.8	14.1	14.3	14.8
	12H	13.6	13.7	14.1	14.2	14.7	13.6	13.7	14.1	14.2	14.7
12H	4H	13.6	13.9	14.1	14.3	14.8	13.7	13.9	14.1	14.4	14.8
	6H	13.6	13.8	14.1	14.3	14.8	13.6	13.8	14.1	14.3	14.8
	8H	13.6	13.7	14.1	14.2	14.7	13.6	13.7	14.1	14.2	14.7

Variations with the observer position at spacing:

S =	1.0H	5.7 / -7.2	5.7 / -7.2
	1.5H	8.5 / -7.9	8.5 / -7.9
	2.0H	10.5 / -8.2	10.5 / -8.2