Reflex

**Design iGuzzini**   **iGuzzini**

Last information update: May 2025

Product configuration: QQ06

QQ06: Fixed circular recessed luminaire - Ø133 mm - neutral white - wide flood optic - UGR<19

Product code

QQ06: Fixed circular recessed luminaire - Ø133 mm - neutral white - wide flood optic - UGR<19

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° wide flood optic.

Installation

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

Colour	Weight (Kg)
Aluminium (12)	1.08

Mounting

ceiling recessed

Wiring

product complete with TRIAC components

Complies with EN60598-1 and pertinent regulations
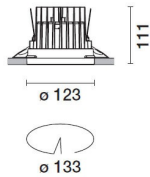
IP20   IP43   On the visible part of the product once installed

ø 123
111
ø 133

Technical data

lm system:	2024	CRI (minimum):	80
W system:	17.7	Colour temperature [K]:	4000
lm source:	2500	MacAdam Step:	2
W source:	16	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	114.3	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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	64°	Control:	TRIAC

Polar

Imax=2007 cd

90°   180°   90°

2000

0°

α=64°

CIE
nL 0.81
96-100-100-100-81
UGR 18.8-18.8
DIN
A.61
UTE
0.81A+0.00T
F"1=961
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 | L<1500 cd/mq @65°

Lux			
h	d	Em	Emax
2	2.5	384	502
4	5	96	125
6	7.5	43	56
8	10	24	31

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

Luminance curve limit

QC	A	G	1.15	2000	1000	500			<=300			
	B		1.50		2000	1000	750		500	<=300		
	C		1.85			2000			1000	500	<=300	

C0-180   C90-270
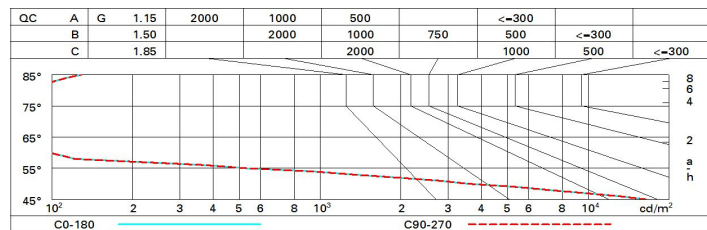
UGR diagram

Corrected UGR values (at 2500 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 x	y			viewed crosswise					viewed endwise		
2H	2H	19.4	20.0	19.6	20.2	20.4	19.4	20.0	19.6	20.2	20.4
	3H	19.2	19.8	19.5	20.0	20.3	19.2	19.8	19.5	20.0	20.3
	4H	19.2	19.7	19.5	19.9	20.2	19.2	19.7	19.5	19.9	20.2
	6H	19.1	19.5	19.4	19.9	20.2	19.1	19.5	19.4	19.9	20.2
	8H	19.0	19.5	19.4	19.8	20.1	19.0	19.5	19.4	19.8	20.1
	12H	19.0	19.4	19.4	19.8	20.1	19.0	19.4	19.4	19.8	20.1
4H	2H	19.2	19.7	19.5	19.9	20.2	19.2	19.7	19.5	19.9	20.2
	3H	19.0	19.4	19.4	19.8	20.1	19.0	19.4	19.4	19.8	20.1
	4H	18.9	19.3	19.3	19.7	20.0	18.9	19.3	19.3	19.7	20.0
	6H	18.8	19.2	19.3	19.6	20.0	18.8	19.2	19.3	19.6	20.0
	8H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
	12H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.9
8H	4H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
	6H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.9
	8H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
	12H	18.6	18.8	19.1	19.2	19.8	18.6	18.8	19.1	19.2	19.8
12H	4H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.9
	6H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
	8H	18.6	18.8	19.1	19.2	19.8	18.6	18.8	19.1	19.2	19.8

Variations with the observer position at spacing:

S =	1.0H	4.7 / -26.2	4.7 / -26.2
	1.5H	7.5 / -31.2	7.5 / -31.2
	2.0H	9.5 / -31.4	9.5 / -31.4