

Last information update: June 2018



Fixed round recessed luminaire - LED - wide flood

Product code

Q806

Technical description

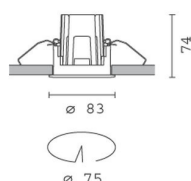
Round recessed luminaire with contact frame. Fixed version. The LED is set back to minimize glare. The main body is made of die-cast aluminium with a radiant surface that guarantees optimum heat dissipation. Metallised, thermoplastic, high definition reflector - wide flood optic (58°). Structure with 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)

Ø83x74



Colour

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

Weight (Kg)

0.23

Mounting

wall recessed|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



Product configuration: Q806.01

Product characteristics

Total lighting output [Lm]: 932
 Total power [W]: 10
 Luminous efficacy [Lm/W]: 93.2
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

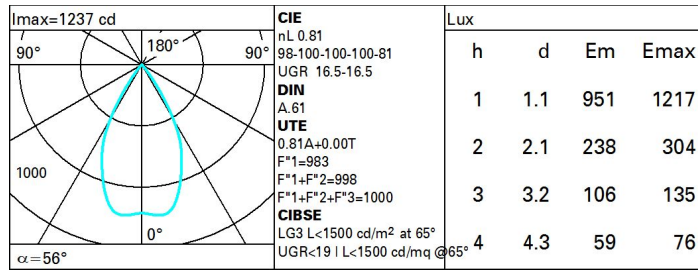
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 81
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 10
 Nominal luminous [Lm]: 1150
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 56°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 0
 Colour temperature [K]: 2700
 CRI: 90
 Wavelength [Nm]: /
 MacAdam Step: 2

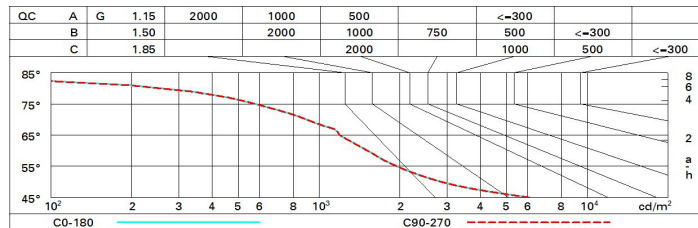
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	66	64	68	66	65	63	77
1.0	76	72	70	68	72	69	69	66	82
1.5	80	77	75	73	76	74	74	71	88
2.0	82	80	79	78	79	78	77	75	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	83	82	81	79	97
4.0	86	85	85	84	84	83	82	80	99
5.0	86	86	85	85	85	84	83	81	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1150 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/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	17.1	17.7	17.4	17.9	18.2	17.1	17.7	17.4	17.9	18.2
	3H	17.0	17.5	17.3	17.8	18.1	17.0	17.5	17.3	17.8	18.1
	4H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	6H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	8H	16.8	17.2	17.2	17.6	17.9	16.8	17.2	17.2	17.6	17.9
	12H	16.8	17.2	17.1	17.5	17.9	16.8	17.2	17.1	17.5	17.9
4H	2H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	3H	16.8	17.2	17.1	17.5	17.9	16.8	17.2	17.1	17.5	17.9
	4H	16.7	17.1	17.1	17.4	17.8	16.7	17.1	17.1	17.4	17.8
	6H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	17.0	17.3	17.7
	8H	16.5	16.8	17.0	17.3	17.7	16.5	16.8	17.0	17.3	17.7
	12H	16.5	16.8	16.9	17.2	17.7	16.5	16.8	16.9	17.2	17.7
8H	4H	16.5	16.8	17.0	17.3	17.7	16.5	16.8	17.0	17.3	17.7
	6H	16.5	16.7	16.9	17.1	17.6	16.5	16.7	16.9	17.1	17.6
	8H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	12H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
12H	4H	16.5	16.8	16.9	17.2	17.7	16.5	16.8	16.9	17.2	17.7
	6H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
Variations with the observer position at spacing:											
S =	1.0H	6.1 / -14.0					6.1 / -14.0				
	1.5H	8.9 / -15.3					8.9 / -15.3				
	2.0H	10.9 / -16.2					10.9 / -16.2				