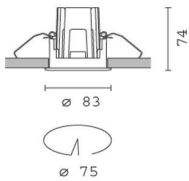


Last information update: June 2018



Fixed round recessed luminaire - Warm Dimming - medium

Product code
P346

Technical description

Round recessed luminaire with contact frame. Warm Dimming LED fixed version: when the lamp is dimmed the colour temperature varies - from 2700K to 1800K - in order to maintain a comfortable light effect and a high color rendering index. 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 - medium optic (25°). 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. 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)
0.26

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



Product configuration: P346.01

Product characteristics

Total lighting output [Lm]: 546
Total power [W]: 10
Luminous efficacy [Lm/W]: 54.6
Life Time: > 50,000h - L70 - B10 (Ta 25°C)

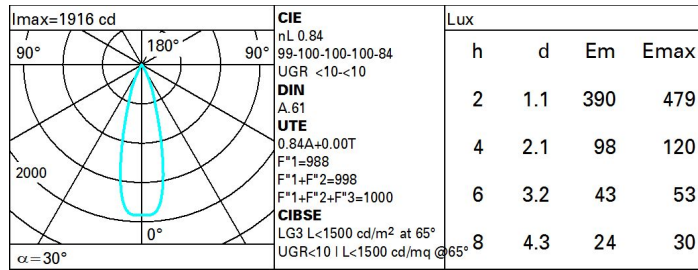
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 84
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 10
Nominal luminous [Lm]: 650
Lamp maximum intensity [cd]: /
Beam angle [°]: 30°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: /
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

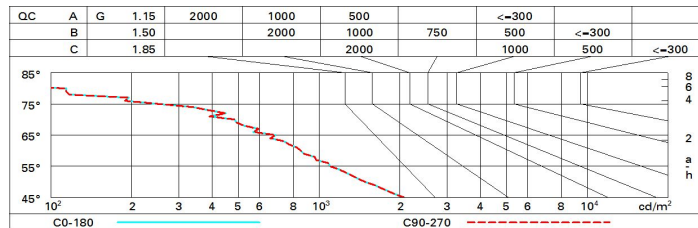
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	72	69	67	71	68	68	65	78
1.0	79	75	73	71	74	72	72	69	82
1.5	83	80	78	76	79	77	77	74	88
2.0	85	84	82	81	82	81	80	78	93
2.5	87	86	84	83	84	83	82	80	95
3.0	88	87	86	85	86	85	84	82	97
4.0	89	88	88	87	87	87	85	83	99
5.0	90	89	89	88	88	87	86	84	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 650 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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 crosswise					viewed endwise				
x	y										
2H	2H	2.7	4.8	3.1	5.1	5.5	2.7	4.8	3.1	5.1	5.5
	3H	2.8	4.5	3.2	4.8	5.1	2.7	4.4	3.1	4.7	5.1
	4H	2.8	4.2	3.2	4.5	4.9	2.7	4.1	3.1	4.4	4.8
	6H	2.7	3.9	3.1	4.2	4.6	2.7	3.8	3.1	4.1	4.5
	8H	2.7	3.8	3.1	4.1	4.5	2.6	3.7	3.0	4.1	4.4
	12H	2.7	3.7	3.1	4.1	4.5	2.6	3.6	3.0	4.0	4.4
4H	2H	2.7	4.1	3.1	4.4	4.8	2.8	4.2	3.2	4.5	4.9
	3H	2.9	3.9	3.3	4.3	4.7	2.9	3.9	3.3	4.3	4.7
	4H	2.8	3.8	3.3	4.2	4.6	2.8	3.8	3.3	4.2	4.6
	6H	2.5	4.2	3.0	4.6	5.1	2.5	4.2	3.0	4.6	5.1
	8H	2.4	4.2	2.9	4.7	5.2	2.4	4.3	2.9	4.7	5.2
	12H	2.3	4.2	2.8	4.7	5.2	2.3	4.2	2.8	4.7	5.2
8H	4H	2.4	4.3	2.9	4.7	5.2	2.4	4.2	2.9	4.7	5.2
	6H	2.3	4.1	2.8	4.6	5.1	2.3	4.1	2.8	4.6	5.1
	8H	2.2	3.9	2.8	4.4	4.9	2.2	3.9	2.8	4.4	4.9
	12H	2.4	3.5	2.9	4.0	4.5	2.4	3.5	2.9	4.0	4.5
12H	4H	2.3	4.2	2.8	4.7	5.2	2.3	4.2	2.8	4.7	5.2
	6H	2.2	3.9	2.8	4.4	4.9	2.2	3.9	2.8	4.4	4.9
	8H	2.4	3.5	2.9	4.0	4.5	2.4	3.5	2.9	4.0	4.5
Variations with the observer position at spacing:											
S =	1.0H	3.7 / -2.9					3.7 / -2.9				
	1.5H	6.2 / -4.4					6.2 / -4.4				
	2.0H	8.1 / -5.6					8.1 / -5.6				