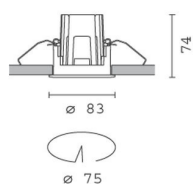


Last information update: June 2018

**Fixed round recessed luminaire - LED - wide flood****Product code**

P345

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 (42°). 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 3,000K 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



IP20

IP44

On the visible part of the product once installed

**Product configuration: P345.01****Product characteristics**

Total lighting output [Lm]: 971
Total power [W]: 10
Luminous efficacy [Lm/W]: 97.1
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]: 1200
Lamp maximum intensity [cd]: /
Beam angle [°]: 46°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 0
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

	imax=1901 cd 90° 180° 90° 2000 0° α = 46°		CIE nL 0.81 100-100-100-100-81 UGR <10<10 DIN A.61 UTE 0.81A+0.00T F*1=998 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°		Lux <table border="1"> <thead> <tr> <th>h</th> <th>d</th> <th>Em</th> <th>Emax</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1.7</td> <td>386</td> <td>471</td> </tr> <tr> <td>4</td> <td>3.4</td> <td>96</td> <td>118</td> </tr> <tr> <td>6</td> <td>5.1</td> <td>43</td> <td>52</td> </tr> <tr> <td>8</td> <td>6.8</td> <td>24</td> <td>29</td> </tr> </tbody> </table>				h	d	Em	Emax	2	1.7	386	471	4	3.4	96	118	6	5.1	43	52	8	6.8	24	29
	h	d	Em	Emax																								
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R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	67	65	69	66	66	63	78
1.0	76	73	70	69	72	70	70	67	83
1.5	80	77	76	74	77	75	74	72	89
2.0	82	81	79	78	80	78	77	75	93
2.5	84	83	82	81	81	80	80	77	96
3.0	85	84	83	82	83	82	81	79	98
4.0	86	85	85	84	84	84	82	80	99
5.0	86	86	86	85	85	84	83	81	100

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

UGR diagram

Corrected UGR values (at 1200 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	4.6	5.2	4.9	5.4	5.6	4.6	5.2	4.9	5.4	5.6	
	3H	4.5	5.0	4.8	5.3	5.5	4.5	5.0	4.8	5.3	5.5	
	4H	4.4	4.9	4.7	5.2	5.5	4.4	4.9	4.7	5.2	5.5	
	6H	4.3	4.8	4.7	5.1	5.4	4.3	4.8	4.7	5.1	5.4	
	8H	4.3	4.7	4.7	5.1	5.4	4.3	4.7	4.6	5.0	5.4	
	12H	4.3	4.7	4.7	5.0	5.4	4.2	4.7	4.6	5.0	5.3	
4H	2H	4.4	4.9	4.7	5.2	5.5	4.4	4.9	4.7	5.2	5.5	
	3H	4.3	4.7	4.6	5.0	5.4	4.3	4.7	4.7	5.0	5.4	
	4H	4.2	4.6	4.6	4.9	5.3	4.2	4.6	4.6	4.9	5.3	
	6H	4.1	4.4	4.6	4.8	5.3	4.1	4.4	4.5	4.8	5.3	
	8H	4.1	4.4	4.5	4.8	5.2	4.1	4.4	4.5	4.8	5.2	
	12H	4.0	4.3	4.5	4.7	5.2	4.0	4.3	4.5	4.7	5.2	
8H	4H	4.1	4.4	4.5	4.8	5.2	4.1	4.4	4.5	4.8	5.2	
	6H	4.0	4.2	4.5	4.7	5.2	4.0	4.2	4.5	4.7	5.2	
	8H	4.0	4.2	4.4	4.6	5.1	4.0	4.2	4.4	4.6	5.1	
	12H	3.9	4.1	4.4	4.6	5.1	3.9	4.1	4.4	4.6	5.1	
12H	4H	4.0	4.3	4.5	4.7	5.2	4.0	4.3	4.5	4.7	5.2	
	6H	3.9	4.2	4.4	4.6	5.1	4.0	4.2	4.4	4.6	5.1	
	8H	3.9	4.1	4.4	4.6	5.1	3.9	4.1	4.4	4.6	5.1	
Variations with the observer position at spacing:												
S =		1.0H	6.7 / -11.3					6.7 / -11.3				
		1.5H	9.5 / -11.7					9.5 / -11.7				
		2.0H	11.5 / -12.0					11.5 / -12.0				