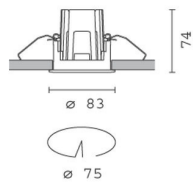


Last information update: June 2018

**Fixed round recessed luminaire - LED - medium****Product code**

P341

**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 - 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. 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



IP20

IP44

On the visible part of the product once installed

**Product configuration: P341.01****Product characteristics**

Total lighting output [Lm]: 907

Total power [W]: 10

Luminous efficacy [Lm/W]: 90.7

Life Time: &gt; 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.) [%]: 79

Lamp code: LED

ZVEI Code: LED

Nominal power [W]: 10

Nominal luminous [Lm]: 1150

Lamp maximum intensity [cd]: /

Beam angle [°]: 26°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 0

Colour temperature [K]: 2700

CRI: 90

Wavelength [Nm]: /

MacAdam Step: 2

	<b>CIE</b> nL 0.79 100-100-100-100-79 UGR <10<10 <b>DIN</b> A.61 <b>UTE</b> 0.79A+0.00T F*1=998 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @65°				<b>Lux</b>			
					<b>h</b>	<b>d</b>	<b>Em</b>	<b>Emax</b>
					2	0.9	777	962
					4	1.8	194	241
					6	2.8	86	107
α = 26°				8	3.7	49	60	

R	77	75	73	71	55	53	33	00	DDR
K0.8	71	68	65	63	67	65	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	76	74	72	75	73	72	70	89
2.0	80	79	77	76	78	76	75	73	93
2.5	82	81	79	79	79	78	78	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	83	82	81	79	100

Figure 10 is a graph showing the relationship between the angle of reflection ( $\alpha_h$ ) and the incident radiation dose ( $cd/m^2$ ) for different types of radiation (QC, A, G, B, C) and their corresponding angles of reflection (1.15, 1.50, 1.85). The graph is divided into two regions: C0-180 and C90-270. The C0-180 region shows a sharp decrease in angle of reflection for doses up to  $10^3$   $cd/m^2$ , while the C90-270 region shows a more gradual decrease for doses up to  $10^4$   $cd/m^2$ .

# UGR diagram

Corrected UGR values (at 1150 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
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		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	-1.8	0.4	-1.4	0.7	1.0	-1.8	0.4	-1.4	0.7	1.0
	3H	-1.8	-0.1	-1.4	0.2	0.5	-1.9	-0.2	-1.5	0.1	0.5
	4H	-1.8	-0.4	-1.4	-0.1	0.3	-1.9	-0.5	-1.6	-0.2	0.1
	6H	-1.8	-0.8	-1.4	-0.4	-0.1	-2.0	-0.9	-1.6	-0.6	-0.2
	8H	-1.9	-0.8	-1.5	-0.5	-0.1	-2.0	-1.0	-1.6	-0.6	-0.2
	12H	-1.9	-0.9	-1.5	-0.5	-0.1	-2.1	-1.0	-1.7	-0.7	-0.3
4H	2H	-1.9	-0.5	-1.6	-0.2	0.1	-1.8	-0.4	-1.4	-0.1	0.3
	3H	-1.9	-0.9	-1.5	-0.5	-0.1	-1.9	-0.8	-1.4	-0.5	-0.1
	4H	-1.9	-0.9	-1.5	-0.5	-0.1	-1.9	-0.9	-1.5	-0.5	-0.1
	6H	-2.2	-0.5	-1.7	-0.1	0.4	-2.2	-0.5	-1.8	-0.1	0.4
	8H	-2.3	-0.4	-1.9	0.0	0.5	-2.4	-0.5	-1.9	0.0	0.5
	12H	-2.5	-0.5	-1.9	0.0	0.5	-2.5	-0.5	-2.0	-0.0	0.5
8H	4H	-2.4	-0.5	-1.9	0.0	0.5	-2.3	-0.4	-1.9	0.0	0.5
	6H	-2.4	-0.6	-1.9	-0.1	0.4	-2.4	-0.6	-1.9	-0.1	0.4
	8H	-2.4	-0.8	-1.9	-0.3	0.3	-2.4	-0.8	-1.9	-0.3	0.3
	12H	-2.3	-1.2	-1.7	-0.7	-0.2	-2.2	-1.2	-1.7	-0.7	-0.2
12H	4H	-2.5	-0.5	-2.0	-0.0	0.5	-2.5	-0.5	-1.9	0.0	0.5
	6H	-2.4	-0.8	-1.9	-0.3	0.2	-2.4	-0.8	-1.9	-0.3	0.2
	8H	-2.2	-1.2	-1.7	-0.7	-0.2	-2.3	-1.2	-1.7	-0.7	-0.2
Variations with the observer position at spacing:											
S =	1.0H	6.2 / -5.7					6.2 / -5.7				
	1.5H	9.0 / -6.3					9.0 / -6.3				
	2.0H	10.9 / -6.8					10.9 / -6.8				