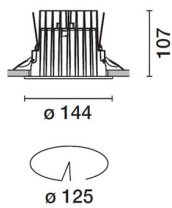


Last information update: April 2025

Product configuration: P523

P523: Fixed circular recessed luminaire - Ø125 mm - natural white - medium optic - UGR<10 - DALI

**Product code**

P523: Fixed circular recessed luminaire - Ø125 mm - natural white - medium optic - UGR<10 - DALI

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Optic with super comfort reflector vacuum-metallised with aluminium vapours and 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<10 1500 cd/m² α>65° medium optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Weight (Kg)

1.15

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2275	CRI (minimum):	80
W system:	24.1	Colour temperature [K]:	4000
lm source:	3250	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	94.4	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.) [%]:	70	Number of optical assemblies:	1
Beam angle [°]:	18°	Control:	DALI-2

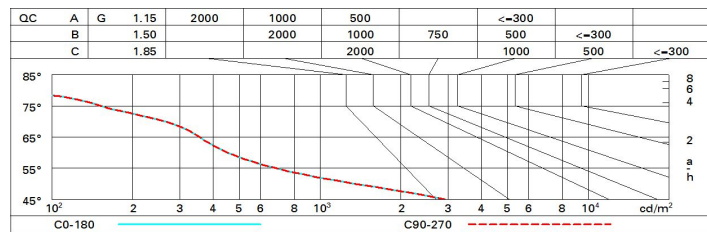
Polar

<p>Imax=13771 cd 90° 180° 90° 15000 0° α=18°</p>	<p>CIE nL 0.70 99-100-100-100-70 UGR <10-<10 DIN A.61 UTE 0.70A+0.00T F*1=992 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°</p>	<p>Lux</p> <table> <tr> <th>h</th><th>d</th><th>Em</th><th>E_{max}</th></tr> <tr> <td>2</td><td>0.6</td><td>2747</td><td>3443</td></tr> <tr> <td>4</td><td>1.3</td><td>687</td><td>861</td></tr> <tr> <td>6</td><td>1.9</td><td>305</td><td>383</td></tr> <tr> <td>8</td><td>2.5</td><td>172</td><td>215</td></tr> </table>	h	d	Em	E _{max}	2	0.6	2747	3443	4	1.3	687	861	6	1.9	305	383	8	2.5	172	215
h	d	Em	E _{max}																			
2	0.6	2747	3443																			
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8	2.5	172	215																			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	60	57	56	59	57	57	55	78
1.0	66	63	61	59	62	60	60	58	83
1.5	69	67	65	64	66	65	64	62	88
2.0	71	70	68	67	69	68	67	65	93
2.5	73	71	70	70	70	70	69	67	96
3.0	73	73	72	71	72	71	70	68	98
4.0	74	74	73	73	73	72	71	69	99
5.0	75	74	74	74	73	73	72	70	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3250 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	2.6	4.7	2.9	5.0	5.3	2.6	4.7	2.9	5.0	5.3
	3H	2.5	4.0	2.8	4.4	4.7	2.4	4.0	2.8	4.3	4.7
	4H	2.4	3.7	2.8	4.0	4.4	2.4	3.7	2.8	4.0	4.4
	6H	2.4	3.4	2.8	3.7	4.1	2.4	3.4	2.7	3.7	4.1
	8H	2.3	3.3	2.7	3.7	4.1	2.3	3.3	2.7	3.7	4.0
	12H	2.3	3.3	2.7	3.7	4.0	2.2	3.3	2.7	3.6	4.0
4H	2H	2.4	3.7	2.8	4.0	4.4	2.4	3.7	2.8	4.0	4.4
	3H	2.3	3.4	2.7	3.7	4.1	2.3	3.4	2.7	3.7	4.1
	4H	2.2	3.3	2.6	3.7	4.1	2.2	3.3	2.6	3.7	4.1
	6H	1.9	3.6	2.3	4.0	4.5	1.9	3.6	2.3	4.0	4.5
	8H	1.7	3.6	2.2	4.1	4.6	1.7	3.6	2.2	4.1	4.6
	12H	1.6	3.6	2.1	4.1	4.6	1.6	3.6	2.1	4.1	4.6
8H	4H	1.7	3.6	2.2	4.1	4.6	1.7	3.6	2.2	4.1	4.6
	6H	1.6	3.4	2.1	3.9	4.4	1.6	3.4	2.1	3.9	4.4
	8H	1.6	3.2	2.1	3.7	4.2	1.6	3.2	2.1	3.7	4.2
	12H	1.8	2.7	2.3	3.2	3.8	1.8	2.7	2.3	3.2	3.8
12H	4H	1.6	3.6	2.1	4.1	4.6	1.6	3.6	2.1	4.1	4.6
	6H	1.6	3.2	2.1	3.7	4.2	1.6	3.2	2.1	3.7	4.2
	8H	1.8	2.7	2.3	3.2	3.8	1.8	2.7	2.3	3.2	3.8
Variations with the observer position at spacing:											
S =	1.0H	4.5 / -7.3					4.5 / -7.3				
	1.5H	7.2 / -9.3					7.2 / -9.3				
	2.0H	9.2 / -10.1					9.2 / -10.1				