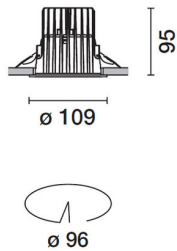


Last information update: April 2024

Product configuration: P510

P510: Fixed circular recessed luminaire - Ø 96 mm - warm white - white optic - DALI

**Product code**

P510: Fixed circular recessed luminaire - Ø 96 mm - warm white - white optic - DALI

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone (3000K). General lighting beam.

Installation

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

Colour

White (01)

Weight (Kg)

0.65

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of
the product once installed**Technical data**

lm system:	1080	MacAdam Step:	2
W system:	14.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	1650	Lamp code:	LED
W source:	12	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	76.6	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	65	Inrush current:	16 A / 220 µs
Beam angle [°]:	74°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2

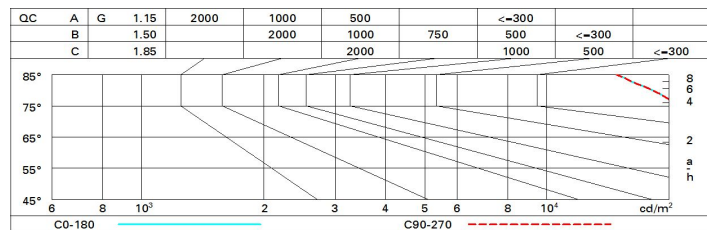
Polar

	CIE nL 0.65 76-92-98-100-65 UGR 25.3-25.0 DIN A.61 UTE 0.65B+0.00T F*1=764 F*1+F*2=918 F*1+F*2+F*3=983				Lux			
	h	d	Em	Emax	h	d	Em	Emax
	1	1.5	536	792				
	2	3	134	198				
	3	4.5	60	88				
	4	6	33	50				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	47	44	41	46	43	43	40	61
1.0	55	51	48	45	50	47	47	44	67
1.5	60	57	54	52	56	53	53	50	76
2.0	63	60	58	56	59	57	57	54	82
2.5	65	63	61	59	61	60	59	57	86
3.0	66	64	63	61	63	62	61	58	89
4.0	67	66	65	64	65	64	63	60	92
5.0	68	67	66	65	66	65	64	62	94

Luminance curve limit



UGR diagram

Corrected UGR values (at 1050 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	22.8	23.7	23.1	24.0	24.2	22.8	23.7	23.1	24.0	24.2
	3H	23.7	24.5	24.0	24.8	25.1	23.1	23.8	23.4	24.1	24.4
	4H	24.1	24.9	24.5	25.2	25.5	23.1	23.9	23.5	24.2	24.5
	6H	24.4	25.1	24.8	25.4	25.8	23.1	23.8	23.5	24.2	24.5
	8H	24.5	25.2	24.9	25.5	25.9	23.1	23.8	23.5	24.1	24.5
	12H	24.6	25.2	24.9	25.5	25.9	23.1	23.7	23.5	24.1	24.5
4H	2H	23.1	23.9	23.5	24.2	24.5	24.1	24.9	24.5	25.2	25.5
	3H	24.2	24.9	24.6	25.2	25.6	24.6	25.2	24.9	25.5	25.9
	4H	24.8	25.3	25.2	25.7	26.1	24.8	25.3	25.2	25.7	26.1
	6H	25.2	25.7	25.6	26.1	26.5	24.9	25.4	25.4	25.8	26.3
	8H	25.3	25.8	25.8	26.2	26.6	25.0	25.4	25.4	25.8	26.3
	12H	25.4	25.8	25.9	26.3	26.7	25.0	25.4	25.4	25.8	26.3
8H	4H	25.0	25.4	25.4	25.8	26.3	25.3	25.8	25.8	26.2	26.6
	6H	25.5	25.9	26.0	26.3	26.8	25.6	26.0	26.1	26.4	26.9
	8H	25.7	26.0	26.2	26.5	27.0	25.7	26.0	26.2	26.5	27.0
	12H	25.8	26.1	26.4	26.6	27.1	25.8	26.0	26.3	26.5	27.1
12H	4H	25.0	25.4	25.4	25.8	26.3	25.4	25.8	25.9	26.3	26.7
	6H	25.5	25.9	26.0	26.3	26.8	25.7	26.0	26.2	26.5	27.0
	8H	25.8	26.0	26.3	26.5	27.1	25.8	26.1	26.4	26.6	27.1
Variations with the observer position at spacing:											
S =	1.0H	0.9 / -0.6					0.9 / -0.6				
	1.5H	1.8 / -0.9					1.8 / -0.9				
	2.0H	3.0 / -1.1					3.0 / -1.1				