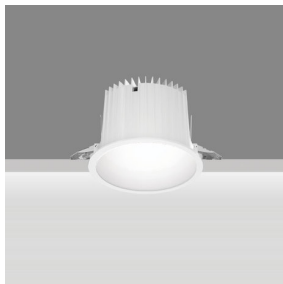


Last information update: April 2024

Product configuration: P522

P522: Fixed circular recessed luminaire - Ø 212 mm - warm white - white optic

**Product code**

P522: Fixed circular recessed luminaire - Ø 212 mm - warm white - white optic

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 CRI90 (3000K). General lighting beam.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.

Colour

White (01)

Weight (Kg)

1.95

Mounting

ceiling recessed

Wiring

product complete with DALI components

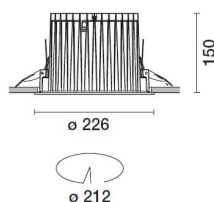
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Technical data**

lm system:	4371	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
lm source:	5400	Number of lamps for optical assembly:	1
W source:	39	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	100.7	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	30 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	81	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Beam angle [°]:	62°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 2kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

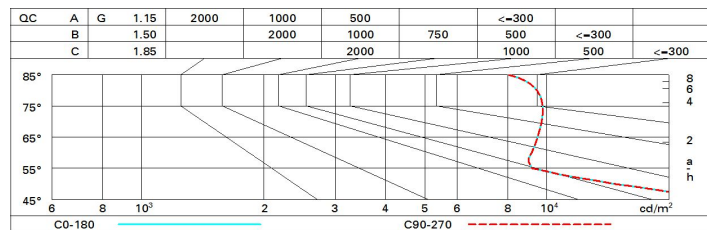
Polar

Imax=4179 cd 90° 180° 90° 4000 0° α = 62°	CIE nL 0.81 85-95-99-100-81 UGR 21.5-21.1 DIN A.61 UTE 0.81A+0.00T F*1=848 F*1+F*2=954 F*1+F*2+F*3=989	Lux			
		h	d	Em	Emax
		2	2.4	755	1045
		4	4.8	189	261
		6	7.2	84	116
		8	9.6	47	65

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	62	59	56	61	58	58	54	67
1.0	71	67	63	61	66	63	62	59	73
1.5	77	73	70	68	72	69	68	65	81
2.0	80	77	75	73	76	74	73	70	86
2.5	82	79	78	76	78	76	76	73	90
3.0	83	81	80	78	80	78	77	75	92
4.0	84	83	82	81	81	80	79	77	95
5.0	85	84	83	82	82	82	80	78	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 5400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.9	20.6	20.2	20.8	21.1	19.9	20.6	20.2	20.8	21.1
	3H	20.3	21.0	20.6	21.3	21.5	19.9	20.6	20.2	20.8	21.1
	4H	20.6	21.2	20.9	21.5	21.8	19.9	20.5	20.2	20.8	21.1
	6H	20.9	21.4	21.2	21.7	22.1	19.9	20.5	20.2	20.8	21.1
	8H	21.0	21.5	21.3	21.8	22.2	19.9	20.4	20.2	20.8	21.1
	12H	21.0	21.5	21.4	21.9	22.2	19.8	20.4	20.2	20.7	21.1
4H	2H	19.9	20.5	20.2	20.8	21.1	20.6	21.2	20.9	21.5	21.8
	3H	20.6	21.1	20.9	21.4	21.8	20.8	21.4	21.2	21.7	22.1
	4H	21.0	21.4	21.4	21.8	22.2	21.0	21.4	21.4	21.8	22.2
	6H	21.4	21.8	21.8	22.2	22.6	21.1	21.5	21.5	21.9	22.3
	8H	21.5	21.9	22.0	22.3	22.8	21.1	21.5	21.6	21.9	22.4
	12H	21.6	22.0	22.1	22.4	22.9	21.1	21.5	21.6	21.9	22.3
8H	4H	21.1	21.5	21.6	21.9	22.4	21.5	21.9	22.0	22.3	22.8
	6H	21.7	22.0	22.1	22.4	22.9	21.8	22.1	22.2	22.5	23.0
	8H	21.9	22.1	22.4	22.6	23.1	21.9	22.1	22.4	22.6	23.1
	12H	22.0	22.3	22.5	22.8	23.3	21.9	22.2	22.4	22.7	23.2
12H	4H	21.1	21.5	21.6	21.9	22.3	21.6	22.0	22.1	22.4	22.9
	6H	21.7	22.0	22.2	22.4	22.9	21.9	22.2	22.4	22.6	23.1
	8H	21.9	22.2	22.4	22.7	23.2	22.0	22.3	22.5	22.8	23.3
Variations with the observer position at spacing:											
S =		1.0H					1.6 / -1.4				
		1.5H					3.4 / -1.6				
		2.0H					5.0 / -1.6				