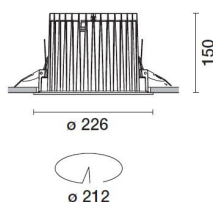


iGuzzini

Product configuration: P522

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



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.

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

ceiling recessed

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



Im system:	4371	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
Im 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
Im 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		

The figure shows a light distribution diagram (left) and a table of photometric data (right).

Light Distribution Diagram:

- Maximum luminous intensity: $I_{\max} = 4179 \text{ cd}$
- Beam angle: $\alpha = 62^\circ$
- Diagram shows a beam of light with a width of 4000 mm at a distance of 10000 mm.
- Angles marked: 90° , 180° , 0° .

Photometric Data:

CIE		Lux			
nL	85-95-99-100-81	h	d	Em	E _{max}
UGR	21.5-21.1	2	2.4	755	1045
DIN		4	4.8	189	261
A	61	6	7.2	84	116
UTE		8	9.6	47	65

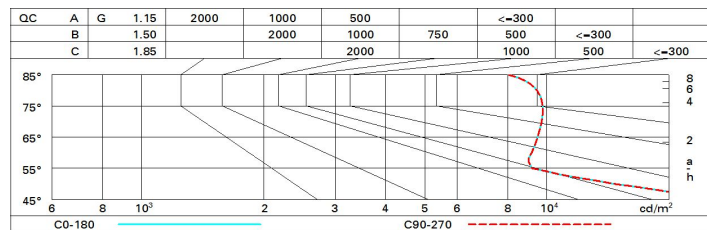
Additional Data:

- $0.81A + 0.00T$
- $F^*1 = 848$
- $F^*1 + F^*2 = 954$
- $F^*1 + F^*2 + F^*3 = 989$

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				