

## Reflex

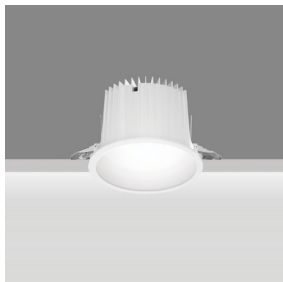
Design iGuzzini

iGuzzini

Last information update: May 2025

### Product configuration: P521

P521: Fixed circular recessed luminaire - Ø 212 mm - neutral white - white optic



### Product code

P521: Fixed circular recessed luminaire - Ø 212 mm - neutral 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 neutral white colour tone (4,000K). 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)

2.03

### Mounting

ceiling recessed

### Wiring

product complete with DALI components

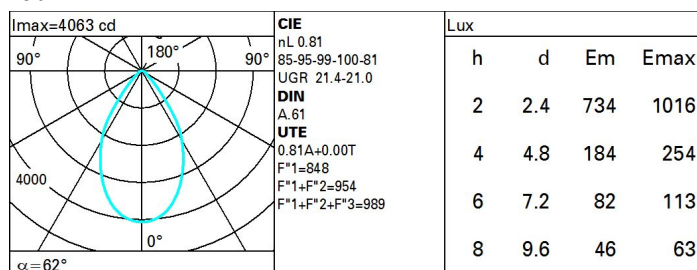
Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	4250	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	34.8	Lamp code:	LED
lm source:	5250	Number of lamps for optical assembly:	1
W source:	31	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	122.1	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:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	81	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	62°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	2		

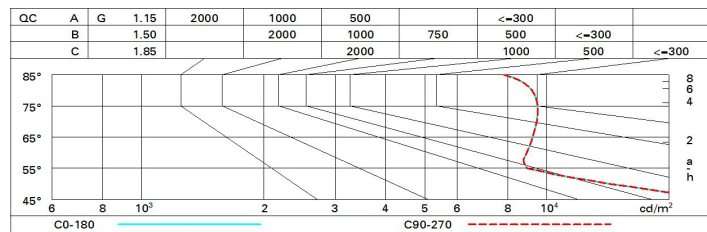
### Polar



# 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 5250 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.8	20.5	20.1	20.7	21.0	19.8	20.5	20.1	20.7	21.0
	3H	20.2	20.9	20.5	21.2	21.4	19.8	20.5	20.1	20.7	21.0
	4H	20.5	21.1	20.8	21.4	21.7	19.8	20.4	20.1	20.7	21.0
	6H	20.8	21.3	21.1	21.6	22.0	19.8	20.4	20.2	20.7	21.0
	8H	20.9	21.4	21.2	21.7	22.1	19.8	20.3	20.1	20.7	21.0
	12H	20.9	21.4	21.3	21.8	22.1	19.7	20.3	20.1	20.6	21.0
4H	2H	19.8	20.4	20.1	20.7	21.0	20.5	21.1	20.8	21.4	21.7
	3H	20.5	21.0	20.8	21.3	21.7	20.7	21.3	21.1	21.6	22.0
	4H	20.9	21.3	21.3	21.7	22.1	20.9	21.3	21.3	21.7	22.1
	6H	21.3	21.7	21.7	22.1	22.5	21.0	21.4	21.4	21.8	22.2
	8H	21.4	21.8	21.9	22.2	22.7	21.0	21.4	21.5	21.8	22.3
	12H	21.5	21.9	22.0	22.3	22.8	21.0	21.4	21.5	21.8	22.3
8H	4H	21.0	21.4	21.5	21.8	22.3	21.4	21.8	21.9	22.2	22.7
	6H	21.6	21.9	22.0	22.3	22.8	21.7	22.0	22.1	22.4	22.9
	8H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0
	12H	21.9	22.2	22.4	22.7	23.2	21.8	22.1	22.3	22.6	23.1
12H	4H	21.0	21.4	21.5	21.8	22.3	21.5	21.9	22.0	22.3	22.8
	6H	21.6	21.9	22.1	22.3	22.8	21.8	22.1	22.3	22.5	23.0
	8H	21.8	22.1	22.3	22.6	23.1	21.9	22.2	22.4	22.7	23.2
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				