

Reflex

Design iGuzzini

iGuzzini

Last information update: June 2018



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

Product code
P521

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.

Dimension (mm)

Ø226x150

Colour

White (01)

Weight (Kg)

2.03

Mounting

ceiling recessed

Wiring

product complete with DALI components

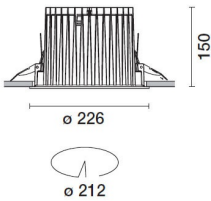
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



Product configuration: P521

Product characteristics

Total lighting output [Lm]: 4048
Total power [W]: 35.3
Luminous efficacy [Lm/W]: 114.7
Life Time: 50,000h - L80 - B10 (Ta 25 °C)

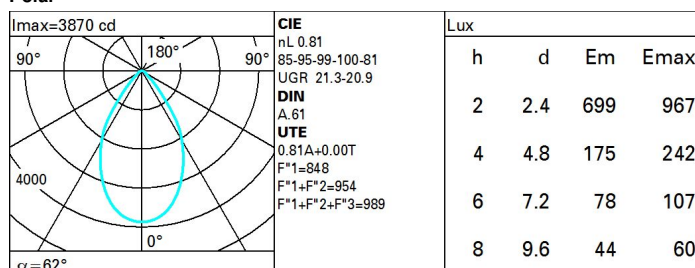
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 81
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 32
Nominal luminous [Lm]: 5000
Lamp maximum intensity [cd]: /
Beam angle [°]: 62°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.3
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

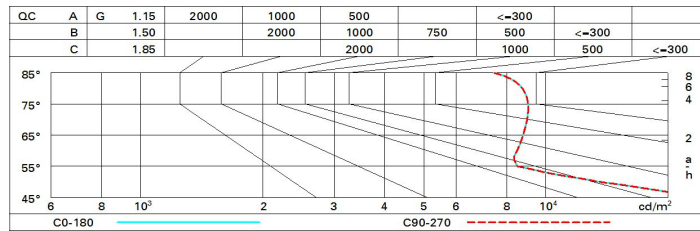
Polar



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 5000 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	cav	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	19.6	20.3	19.9	20.6	20.8	19.6	20.3	19.9	20.6	20.8
	3H	20.0	20.7	20.4	21.0	21.3	19.6	20.3	19.9	20.6	20.8
	4H	20.3	20.9	20.7	21.2	21.5	19.6	20.3	20.0	20.6	20.9
	6H	20.6	21.2	20.9	21.5	21.8	19.6	20.2	20.0	20.5	20.8
	8H	20.7	21.2	21.1	21.6	21.9	19.6	20.2	20.0	20.5	20.8
	12H	20.7	21.3	21.1	21.6	22.0	19.6	20.1	20.0	20.4	20.8
4H	2H	19.6	20.3	20.0	20.6	20.9	20.3	20.9	20.7	21.2	21.5
	3H	20.3	20.8	20.7	21.2	21.5	20.6	21.1	21.0	21.4	21.8
	4H	20.7	21.2	21.1	21.5	21.9	20.7	21.2	21.1	21.5	21.9
	6H	21.1	21.5	21.5	21.9	22.3	20.8	21.2	21.3	21.6	22.1
	8H	21.3	21.6	21.7	22.1	22.5	20.9	21.2	21.3	21.6	22.1
	12H	21.4	21.7	21.8	22.1	22.6	20.8	21.2	21.3	21.6	22.1
8H	4H	20.9	21.2	21.3	21.6	22.1	21.3	21.6	21.7	22.1	22.5
	6H	21.4	21.7	21.9	22.1	22.6	21.5	21.8	22.0	22.3	22.7
	8H	21.6	21.9	22.1	22.3	22.8	21.6	21.9	22.1	22.3	22.8
	12H	21.8	22.0	22.3	22.5	23.0	21.7	21.9	22.2	22.4	22.9
12H	4H	20.8	21.2	21.3	21.6	22.1	21.4	21.7	21.8	22.1	22.6
	6H	21.4	21.7	21.9	22.2	22.7	21.6	21.9	22.1	22.4	22.9
	8H	21.7	21.9	22.2	22.4	22.9	21.8	22.0	22.3	22.5	23.0
Variations with the observer position at spacing:											
S =	1.0H	1.6 / -1.4					1.6 / -1.4				
	1.5H	3.4 / -1.6					3.4 / -1.6				
	2.0H	5.0 / -1.6					5.0 / -1.6				