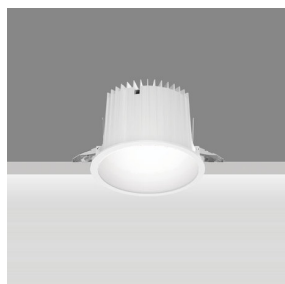


## Reflex

Design iGuzzini

iGuzzini

Last information update: June 2018



### Fixed circular recessed luminaire - Ø 212 mm - warm white - white optic

#### Product code

P520

#### 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 25 mm.

#### Dimension (mm)

Ø226x150

#### Colour

White (01)

#### Weight (Kg)

2.03

#### Mounting

ceiling recessed

#### Wiring

product complete with an electronic ballast

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed



#### Product configuration: P520

#### Product characteristics

Total lighting output [Lm]: 4048  
Total power [W]: 35.9  
Luminous efficacy [Lm/W]: 112.7  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

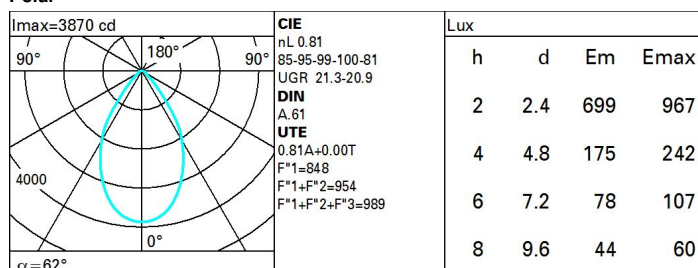
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 81  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 33  
Nominal luminous [Lm]: 5000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 62°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.9  
Colour temperature [K]: 3000  
CRI: 80  
Wavelength [nm]: /  
MacAdam Step: 2

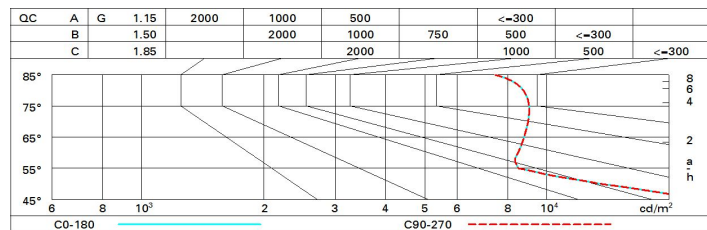
#### Polar



# 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.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
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				
		1.5H					3.4 / -1.6				
		2.0H					5.0 / -1.6				