Reflex

Design iGuzzini **iGuzzini**

Last information update: April 2025

Product configuration: P520
P520: Fixed circular recessed luminaire - Ø 212 mm - warm white - white optic

Product code
P520: Fixed circular recessed luminaire - Ø 212 mm - warm white - white optic **Attention! Code no longer in production**

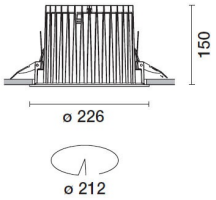
Technical description
Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour 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.

Colour
White (01)

Weight (Kg)
2.03

Mounting
ceiling recessed



Wiring
product complete with an electronic ballast

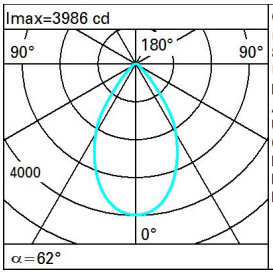
Complies with EN60598-1 and pertinent regulations

IP20 IP54 On the visible part of the product once installed

Technical data

lm system:	4169	CRI (minimum):	80
W system:	36.4	Colour temperature [K]:	3000
lm source:	5150	MacAdam Step:	2
W source:	32	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	114.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	62°		

Polar



CIE
nL 0.81
85-95-99-100-81
UGR 21.4-21.0
DIN
A.61
UTE
0.81A+0.00T
F"1=848
F"1+F"2=954
F"1+F"2+F"3=989

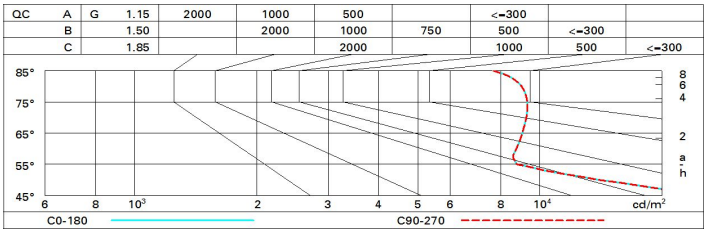
Lux

h	d	Em	Emax
2	2.4	720	996
4	4.8	180	249
6	7.2	80	111
8	9.6	45	62

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 5150 lm bare lamp luminous flux)

Riflect.: ceil/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				viewed crosswise					viewed endwise		
x	y										
2H	2H	19.7	20.4	20.0	20.7	20.9	19.7	20.4	20.0	20.7	20.9
	3H	20.2	20.8	20.5	21.1	21.4	19.7	20.4	20.1	20.7	21.0
	4H	20.4	21.0	20.8	21.3	21.6	19.7	20.4	20.1	20.7	21.0
	6H	20.7	21.3	21.0	21.6	21.9	19.7	20.3	20.1	20.6	20.9
	8H	20.8	21.3	21.2	21.7	22.0	19.7	20.3	20.1	20.6	20.9
	12H	20.8	21.4	21.2	21.7	22.1	19.7	20.2	20.1	20.5	20.9
4H	2H	19.7	20.4	20.1	20.7	21.0	20.4	21.0	20.8	21.3	21.6
	3H	20.4	20.9	20.8	21.3	21.6	20.7	21.2	21.1	21.5	21.9
	4H	20.8	21.3	21.2	21.7	22.0	20.8	21.3	21.2	21.7	22.0
	6H	21.2	21.6	21.6	22.0	22.4	20.9	21.3	21.4	21.7	22.2
	8H	21.4	21.7	21.8	22.2	22.6	21.0	21.3	21.4	21.7	22.2
	12H	21.5	21.8	21.9	22.2	22.7	21.0	21.3	21.4	21.7	22.2
8H	4H	21.0	21.3	21.4	21.7	22.2	21.4	21.7	21.8	22.2	22.6
	6H	21.5	21.8	22.0	22.2	22.7	21.6	21.9	22.1	22.4	22.8
	8H	21.7	22.0	22.2	22.4	22.9	21.7	22.0	22.2	22.4	22.9
	12H	21.9	22.1	22.4	22.6	23.1	21.8	22.0	22.3	22.5	23.0
12H	4H	21.0	21.3	21.4	21.7	22.2	21.5	21.8	21.9	22.2	22.7
	6H	21.5	21.8	22.0	22.3	22.8	21.7	22.0	22.2	22.5	23.0
	8H	21.8	22.0	22.3	22.5	23.0	21.9	22.1	22.4	22.6	23.1

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