

## Reflex

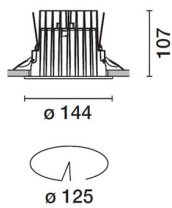
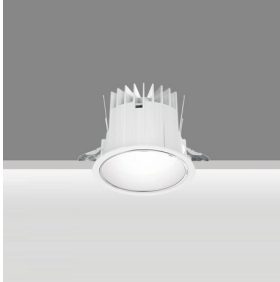
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: P512

P512: Fixed circular recessed luminaire - Ø 125 mm - neutral white - white optic



### Product code

P512: Fixed circular recessed luminaire - Ø 125 mm - neutral 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 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 20 mm.

### Colour

White (01)

### Weight (Kg)

1.02

### 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:	2324	CRI (minimum):	80
W system:	23.7	Colour temperature [K]:	4000
lm source:	3100	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	98.1	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.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	78°		

### Polar

lmax=1457 cd		<div><b>CIE</b> nL 0.75 73-90-98-100-75 UGR 26.9-26.5 <b>DIN</b> A.51 <b>UTE</b> 0.75B+0.00T F*1=728 F*1+F*2=904 F*1+F*2+F*3=981</div>	Lux			
90°	180°		h	d	Em	Emax
<div>1500</div> <div>0°</div>			1	1.6	1009	1457
			2	3.2	252	364
			3	4.9	112	162
			4	6.5	63	91
α=78°						

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	52	48	45	52	48	47	44	58
1.0	62	57	53	50	56	52	52	48	64
1.5	68	64	61	58	63	60	59	55	74
2.0	72	68	66	63	67	65	64	60	81
2.5	74	71	69	67	70	68	67	64	85
3.0	75	73	71	69	71	70	69	66	88
4.0	77	75	74	72	73	72	71	68	91
5.0	78	76	75	74	75	74	72	70	93

# UGR diagram

Corrected UGR values (at 3100 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x        y		viewed crosswise					viewed endwise				
		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
2H	2H	24.2	25.1	24.5	25.4	25.6	24.2	25.1	24.5	25.4	25.6
	3H	25.2	26.0	25.5	26.3	26.6	24.5	25.3	24.8	25.6	25.9
	4H	25.6	26.4	26.0	26.7	27.0	24.6	25.4	24.9	25.7	26.0
	6H	25.9	26.7	26.3	27.0	27.3	24.6	25.3	25.0	25.6	26.0
	8H	26.0	26.7	26.4	27.1	27.4	24.6	25.3	25.0	25.6	26.0
	12H	26.1	26.7	26.5	27.1	27.5	24.6	25.2	24.9	25.6	25.9
4H	2H	24.6	25.4	24.9	25.7	26.0	25.6	26.4	26.0	26.7	27.0
	3H	25.8	26.5	26.2	26.8	27.2	26.1	26.8	26.5	27.1	27.5
	4H	26.3	26.9	26.7	27.3	27.7	26.3	26.9	26.7	27.3	27.7
	6H	26.8	27.3	27.2	27.7	28.1	26.5	27.0	26.9	27.4	27.8
	8H	26.9	27.4	27.3	27.8	28.2	26.5	27.0	27.0	27.4	27.9
	12H	27.0	27.4	27.4	27.8	28.3	26.5	27.0	27.0	27.4	27.9
8H	4H	26.5	27.0	27.0	27.4	27.9	26.9	27.4	27.3	27.8	28.2
	6H	27.1	27.5	27.6	27.9	28.4	27.2	27.6	27.7	28.0	28.5
	8H	27.3	27.6	27.8	28.1	28.6	27.3	27.6	27.8	28.1	28.6
	12H	27.4	27.7	27.9	28.2	28.7	27.3	27.6	27.9	28.1	28.7
12H	4H	26.5	27.0	27.0	27.4	27.9	27.0	27.4	27.4	27.8	28.3
	6H	27.1	27.5	27.6	27.9	28.4	27.3	27.6	27.8	28.1	28.6
	8H	27.3	27.6	27.9	28.1	28.7	27.4	27.7	27.9	28.2	28.7
Variations with the observer position at spacing:											
S =	1.0H	0.7 / -0.5					0.7 / -0.5				
	1.5H	1.3 / -0.8					1.3 / -0.8				
	2.0H	2.3 / -1.0					2.3 / -1.0				