

## Reflex

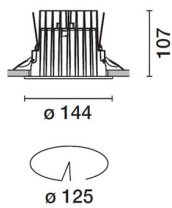
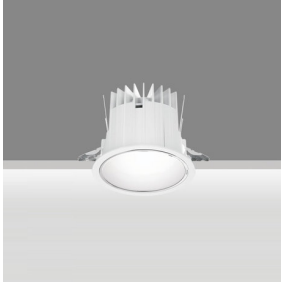
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: P513

P513: Fixed circular recessed luminaire - Ø 125 mm - warm white - white optic



### Product code

P513: Fixed circular recessed luminaire - Ø 125 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 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:	1537	CRI (minimum):	80
W system:	15.4	Colour temperature [K]:	3000
lm source:	2050	MacAdam Step:	2
W source:	13	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	99.8	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°		

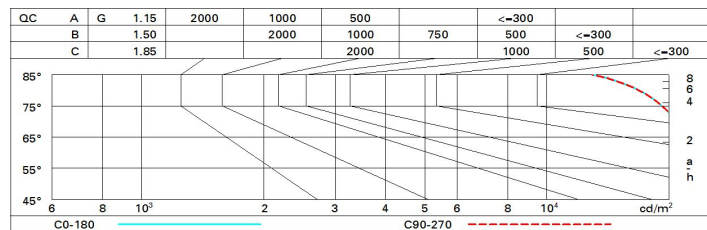
### Polar

Imax=963 cd		CIE nL 0.75 73-90-98-100-75 UGR 25.5-25.1 DIN A.51 UTE 0.75B+0.00T F*1=728 F*1+F*2=904 F*1+F*2+F*3=981	Lux			
90°	180°		h	d	Em	E <sub>max</sub>
			1	1.6	667	963
			2	3.2	167	241
			3	4.9	74	107
			4	6.5	42	60
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

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	22.8	23.7	23.1	23.9	24.2	22.8	23.7	23.1	23.9	24.2
	3H	23.8	24.6	24.1	24.9	25.2	23.0	23.9	23.4	24.2	24.4
	4H	24.2	25.0	24.5	25.3	25.6	23.1	23.9	23.5	24.2	24.5
	6H	24.5	25.2	24.9	25.5	25.9	23.2	23.9	23.5	24.2	24.5
	8H	24.6	25.3	25.0	25.6	26.0	23.1	23.8	23.5	24.2	24.5
	12H	24.6	25.3	25.0	25.7	26.0	23.1	23.8	23.5	24.1	24.5
4H	2H	23.1	23.9	23.5	24.2	24.5	24.2	25.0	24.5	25.3	25.6
	3H	24.3	25.0	24.7	25.4	25.7	24.7	25.3	25.1	25.7	26.0
	4H	24.9	25.5	25.3	25.9	26.3	24.9	25.5	25.3	25.9	26.3
	6H	25.3	25.8	25.8	26.3	26.7	25.1	25.6	25.5	26.0	26.4
	8H	25.5	25.9	25.9	26.4	26.8	25.1	25.6	25.5	26.0	26.4
	12H	25.5	26.0	26.0	26.4	26.9	25.1	25.5	25.5	26.0	26.4
8H	4H	25.1	25.6	25.5	26.0	26.4	25.5	25.9	25.9	26.4	26.8
	6H	25.7	26.0	26.1	26.5	27.0	25.7	26.1	26.2	26.6	27.1
	8H	25.8	26.2	26.3	26.7	27.2	25.8	26.2	26.3	26.7	27.2
	12H	26.0	26.3	26.5	26.8	27.3	25.9	26.2	26.4	26.7	27.2
12H	4H	25.1	25.5	25.5	26.0	26.4	25.5	26.0	26.0	26.4	26.9
	6H	25.7	26.0	26.2	26.5	27.0	25.8	26.2	26.3	26.7	27.2
	8H	25.9	26.2	26.4	26.7	27.2	26.0	26.3	26.5	26.8	27.3
Variations with the observer position at spacing:											
S =		0.7 / -0.5					0.7 / -0.5				
		1.3 / -0.8					1.3 / -0.8				
		2.3 / -1.0					2.3 / -1.0				