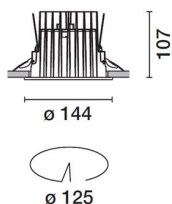
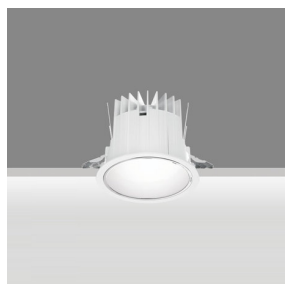


Reflex

Design iGuzzini

iGuzzini

Last information update: May 2018



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

Product code
P513

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.

Dimension (mm)
Ø144x107

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



Product configuration: P513

Product characteristics

Total lighting output [Lm]: 1499
Total power [W]: 15.4
Luminous efficacy [Lm/W]: 97.4
Life Time: 50,000h - L80 - B10 (Ta 25°C)

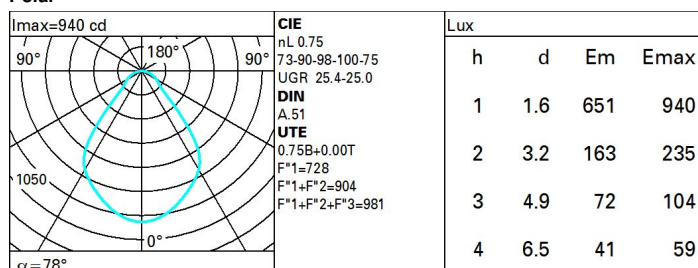
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 13
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: 78°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.4
Colour temperature [K]: 3000
CRI: 80
Wavelength [nm]: /
MacAdam Step: 2

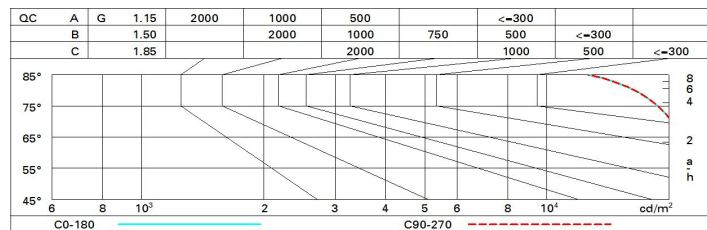
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	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 2000 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	22.7	23.6	23.0	23.9	24.1	22.7	23.6	23.0	23.9	24.1	
	3H	23.7	24.5	24.0	24.8	25.1	22.9	23.8	23.3	24.1	24.4	
	4H	24.1	24.9	24.4	25.2	25.5	23.0	23.8	23.4	24.1	24.4	
	6H	24.4	25.1	24.8	25.5	25.8	23.1	23.8	23.4	24.1	24.5	
	8H	24.5	25.2	24.9	25.5	25.9	23.1	23.8	23.4	24.1	24.4	
	12H	24.6	25.2	24.9	25.6	25.9	23.0	23.7	23.4	24.1	24.4	
4H	2H	23.0	23.8	23.4	24.1	24.4	24.1	24.9	24.4	25.2	25.5	
	3H	24.3	24.9	24.6	25.3	25.6	24.6	25.2	25.0	25.6	26.0	
	4H	24.8	25.4	25.2	25.8	26.2	24.8	25.4	25.2	25.8	26.2	
	6H	25.2	25.8	25.7	26.2	26.6	25.0	25.5	25.4	25.9	26.3	
	8H	25.4	25.9	25.8	26.3	26.7	25.0	25.5	25.5	25.9	26.3	
	12H	25.5	25.9	25.9	26.3	26.8	25.0	25.4	25.5	25.9	26.3	
8H	4H	25.0	25.5	25.5	25.9	26.3	25.4	25.9	25.8	26.3	26.7	
	6H	25.6	26.0	26.0	26.4	26.9	25.7	26.1	26.1	26.5	27.0	
	8H	25.8	26.1	26.3	26.6	27.1	25.8	26.1	26.3	26.6	27.1	
	12H	25.9	26.2	26.4	26.7	27.2	25.8	26.1	26.3	26.6	27.1	
12H	4H	25.0	25.4	25.5	25.9	26.3	25.5	25.9	25.9	26.3	26.8	
	6H	25.6	25.9	26.1	26.4	26.9	25.8	26.1	26.3	26.6	27.1	
	8H	25.8	26.1	26.3	26.6	27.1	25.9	26.2	26.4	26.7	27.2	
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					