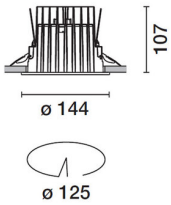


Last information update: May 2018



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

Product code
P512

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.

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



Product configuration: P512

Product characteristics

Total lighting output [Lm]: 2249
Total power [W]: 23.7
Luminous efficacy [Lm/W]: 94.9
Life Time: 50,000h - L80 - B10 (Ta 25°C)

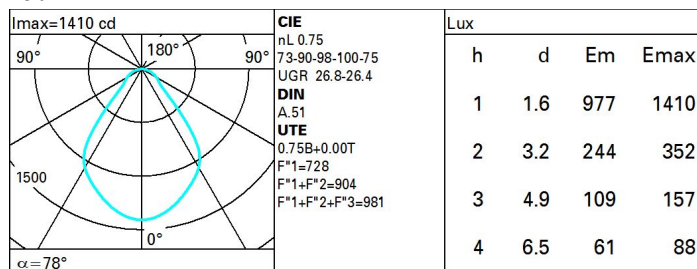
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 21
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 78°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 4000
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

UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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		viewed crosswise					viewed endwise				
x	y										
2H	2H	24.1	25.0	24.4	25.3	25.5	24.1	25.0	24.4	25.3	25.5
	3H	25.1	25.9	25.4	26.2	26.5	24.4	25.2	24.7	25.5	25.8
	4H	25.5	26.3	25.8	26.6	26.9	24.4	25.2	24.8	25.5	25.9
	6H	25.8	26.5	26.2	26.9	27.2	24.5	25.2	24.8	25.5	25.9
	8H	25.9	26.6	26.3	26.9	27.3	24.5	25.2	24.8	25.5	25.9
	12H	26.0	26.6	26.3	27.0	27.3	24.4	25.1	24.8	25.5	25.8
4H	2H	24.4	25.2	24.8	25.5	25.9	25.5	26.3	25.8	26.6	26.9
	3H	25.7	26.3	26.1	26.7	27.0	26.0	26.7	26.4	27.0	27.4
	4H	26.2	26.8	26.6	27.2	27.6	26.2	26.8	26.6	27.2	27.6
	6H	26.7	27.2	27.1	27.6	28.0	26.4	26.9	26.8	27.3	27.7
	8H	26.8	27.3	27.2	27.7	28.1	26.4	26.9	26.9	27.3	27.8
	12H	26.9	27.3	27.3	27.7	28.2	26.4	26.8	26.9	27.3	27.7
8H	4H	26.4	26.9	26.9	27.3	27.8	26.8	27.3	27.2	27.7	28.1
	6H	27.0	27.4	27.4	27.8	28.3	27.1	27.5	27.5	27.9	28.4
	8H	27.2	27.5	27.7	28.0	28.5	27.2	27.5	27.7	28.0	28.5
	12H	27.3	27.6	27.8	28.1	28.6	27.2	27.5	27.7	28.0	28.5
12H	4H	26.4	26.8	26.9	27.3	27.7	26.9	27.3	27.3	27.7	28.2
	6H	27.0	27.3	27.5	27.8	28.3	27.2	27.5	27.7	28.0	28.5
	8H	27.2	27.5	27.7	28.0	28.5	27.3	27.6	27.8	28.1	28.6
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				