

Last information update: June 2018



Fixed circular recessed luminaire - Ø212 mm - neutral white - wide flood optic - UGR<10

Product code

P822

Technical description

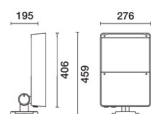
Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Optic with supercomfort reflector vacuum-metallised with aluminium vapours and an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<10 1500 cd/m2 α >65° wide flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 25 mm.

Dimension (mm)

406x276



Colour

Grey (15)

Weight (Kg)

8.55

Mounting

wall arm|wall surface|ground anchored

Wiring

product complete with DALI components

Notes

Available accessories include: a refractor for elliptical light flow distribution, diffusing glass, visor, directional flaps, protective grille and a spike for ground installation.

Complies with EN60598-1 and pertinent regulations



Product configuration: P822

Product characteristics

Total lighting output [Lm]: 6871
 Total power [W]: 83.5
 Luminous efficacy [Lm/W]: 82.3
 Life Time: 74,000h - L80 - B10 (Ta 25°C)
 Ambient temperature range: from -20°C to +35°C. (*)

Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Life Time: 74,000h - L80 - B10 (Ta 40°C)
 Number of optical assemblies: 1

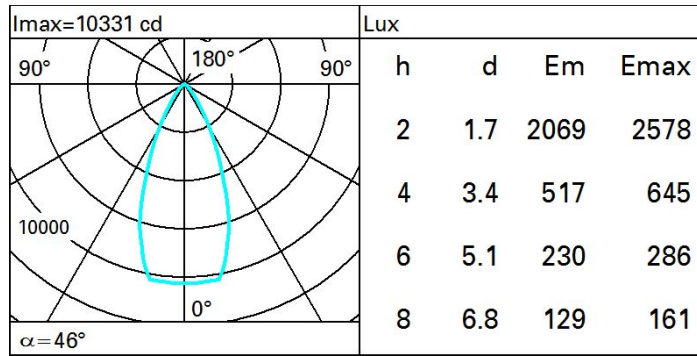
* Preliminary data

Optical assembly Characteristics Type 1

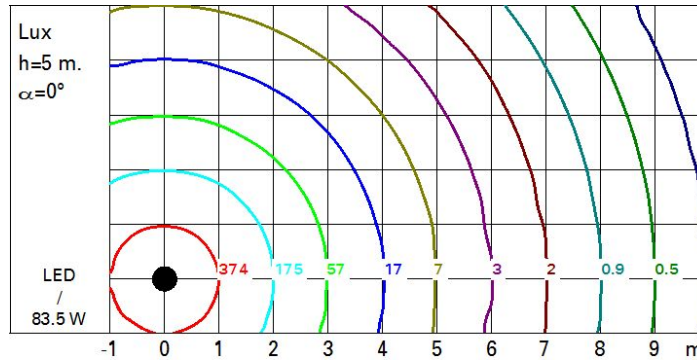
Light Output Ratio (L.O.R.) [%]: 75
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 76
 Nominal luminous [Lm]: 9170
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 46°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 7.5
 Colour temperature [K]: 4000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 3

Polar



Isolux



UGR diagram

Corrected UGR values (at 9170 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	17.5	18.1	17.8	18.4	18.6	17.5	18.1	17.8	18.4	18.6
	3H	17.6	18.2	17.9	18.5	18.7	17.5	18.1	17.8	18.4	18.7
	4H	17.6	18.1	17.9	18.4	18.7	17.5	18.0	17.8	18.3	18.6
	6H	17.5	18.0	17.9	18.3	18.7	17.4	17.9	17.8	18.3	18.6
	8H	17.5	18.0	17.9	18.3	18.6	17.4	17.9	17.8	18.2	18.5
	12H	17.5	17.9	17.8	18.3	18.6	17.4	17.8	17.7	18.2	18.5
4H	2H	17.5	18.0	17.8	18.3	18.6	17.6	18.1	17.9	18.4	18.7
	3H	17.7	18.1	18.0	18.5	18.8	17.7	18.1	18.0	18.5	18.8
	4H	17.6	18.0	18.0	18.4	18.8	17.6	18.0	18.0	18.4	18.8
	6H	17.6	17.9	18.0	18.3	18.8	17.6	17.9	18.0	18.3	18.8
	8H	17.5	17.9	18.0	18.3	18.7	17.6	17.9	18.0	18.3	18.7
	12H	17.5	17.8	17.9	18.2	18.7	17.5	17.8	18.0	18.2	18.7
8H	4H	17.6	17.9	18.0	18.3	18.7	17.5	17.9	18.0	18.3	18.7
	6H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	18.0	18.2	18.7
	8H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
	12H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
12H	4H	17.5	17.8	18.0	18.2	18.7	17.5	17.8	17.9	18.2	18.7
	6H	17.4	17.7	17.9	18.1	18.6	17.4	17.7	17.9	18.1	18.6
	8H	17.4	17.6	17.9	18.1	18.6	17.4	17.6	17.9	18.1	18.6
Variations with the observer position at spacing:											
S =	1.0H	2.8 / -2.8					2.8 / -2.8				
	1.5H	5.1 / -4.3					5.1 / -4.3				
	2.0H	6.9 / -5.5					6.9 / -5.5				