Platea Pro

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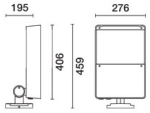
Fixed circular recessed luminaire - Ø212 mm - neutral white - flood optic - UGR<10

Product code
P820

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° 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

IK08 IP66

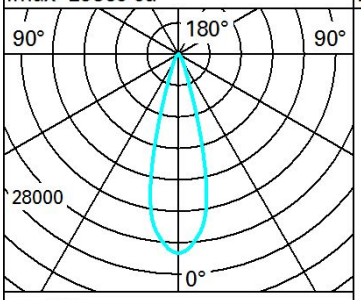
Product configuration: P820

Product characteristics
Total lighting output [Lm]: 6878
Total power [W]: 83.5
Luminous efficacy [Lm/W]: 82.4
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 [°]: 28°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 7.5
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

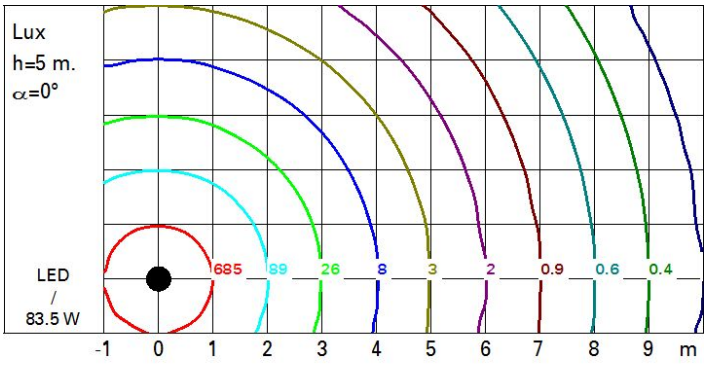
Polar



Lux

h	d	Em	Emax
2	1	5201	6342
4	2	1300	1586
6	3	578	705
8	4	325	396

Isolux



UGR diagram

Corrected UGR values (at 9170 lm bare lamp luminous flux)

Riflect.: ceil/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	viewed crosswise					viewed endwise				
2H	2H	12.7	14.6	13.1	14.9	15.3	12.7	14.6	13.1	14.9	15.3
	3H	13.0	14.5	13.4	14.8	15.2	12.8	14.3	13.2	14.6	15.0
	4H	13.1	14.3	13.5	14.7	15.0	12.9	14.1	13.2	14.4	14.8
	6H	13.1	14.1	13.5	14.4	14.8	12.8	13.8	13.2	14.2	14.5
	8H	13.0	14.0	13.4	14.4	14.7	12.8	13.8	13.2	14.1	14.5
	12H	13.0	14.0	13.4	14.3	14.7	12.7	13.7	13.2	14.1	14.5
4H	2H	12.9	14.1	13.2	14.4	14.8	13.1	14.3	13.5	14.7	15.0
	3H	13.3	14.3	13.7	14.6	15.0	13.3	14.3	13.7	14.6	15.0
	4H	13.3	14.3	13.8	14.6	15.0	13.3	14.3	13.8	14.6	15.0
	6H	13.0	14.6	13.5	15.0	15.5	13.1	14.6	13.5	15.0	15.5
	8H	12.9	14.6	13.4	15.1	15.6	12.9	14.7	13.4	15.1	15.6
	12H	12.8	14.6	13.3	15.1	15.6	12.8	14.6	13.3	15.1	15.6
8H	4H	12.9	14.7	13.4	15.1	15.6	12.9	14.6	13.4	15.1	15.6
	6H	12.9	14.5	13.4	15.0	15.5	12.9	14.5	13.4	15.0	15.5
	8H	12.8	14.3	13.4	14.8	15.3	12.8	14.3	13.4	14.8	15.3
	12H	12.9	14.0	13.5	14.5	15.0	12.9	14.0	13.5	14.5	15.0
12H	4H	12.8	14.6	13.3	15.1	15.6	12.8	14.6	13.3	15.1	15.6
	6H	12.8	14.3	13.4	14.8	15.3	12.8	14.3	13.4	14.8	15.3
	8H	12.9	14.0	13.5	14.5	15.0	12.9	14.0	13.5	14.5	15.0

Variations with the observer position at spacing:

S =			
	1.0H	2.0 / -1.7	2.0 / -1.7
	1.5H	3.9 / -2.6	3.9 / -2.6
	2.0H	5.7 / -3.5	5.7 / -3.5