Platea Pro

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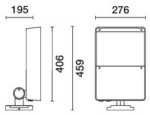
Platea Pro class I

Product code
E916

Technical description
Outdoor luminaire with a Spot optic, designed to use LED lamps. Consists of an optical assembly with a base and an aluminium alloy frame. The painting stage consists of a primer and a liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. 5 mm thick colourless transparent tempered sodium-calcium closing glass. Product can be tilted on the vertical plane by +5°/-90° and is fitted with mechanical blocks that guarantee stable light beam aiming. Horizontal aiming can be adjusted using the slots on which the base is provided with a ±30° adjustment option. High visual comfort. High yield, homogeneous light distribution polymer optic lenses. Complete with circuit fitted with Neutral White monochrome LEDs. Removable control gear connected with quick-coupling connectors. 220-240V ac 50/60Hz electronic ballast. Insulation class I. Replaceable control gear. All the screws used are made of A2 stainless steel.



Installation
The luminaire can be installed on the wall or floor using a standard base. Ground-installed using an accessory stake.

Dimension (mm)
406x276

Colour
Grey (15)

Weight (Kg)
8.55

Mounting
wall arm|ground surface|wall surface

Wiring
Product perfect watertightness at the power cable entry point is guaranteed by a M24x1,5 nickel-plated brass cable gland suitable for cables with a max external ø14mm (cross-section from 1.5mm²). Screw terminal board.

Notes
The following are available as accessories: refractor for elliptical light flow distribution, diffusing glass, visor, directional flaps, protective grille and spike for ground installation.

Complies with EN60598-1 and pertinent regulations

IK08 IP66

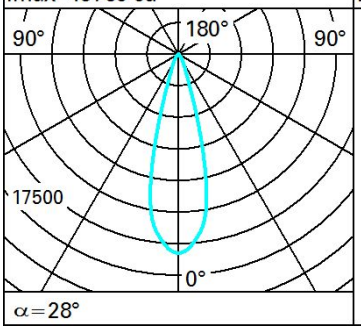
Product configuration: E916

Product characteristics
Total lighting output [Lm]: 4275
Total power [W]: 55.9
Luminous efficacy [Lm/W]: 76.5
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Number of optical assemblies: 1
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Ambient temperature range: from -20°C to +35°C. (*)

* Preliminary data

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 51
Nominal luminous [Lm]: 5700
Lamp maximum intensity [cd]: /
Beam angle [°]: 28°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 4.9
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

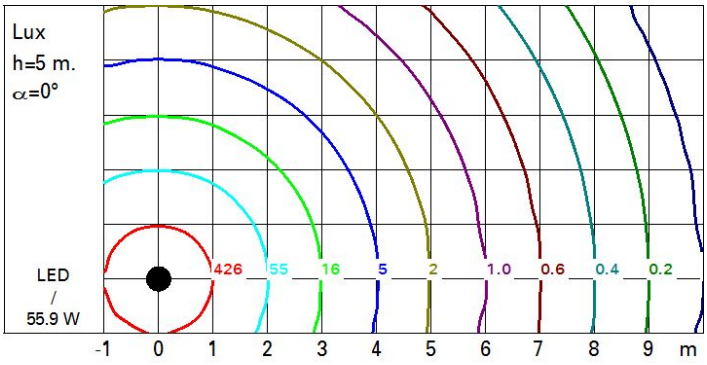
Polar



Lux

h	d	Em	Emax
2	1	3233	3942
4	2	808	986
6	3	359	438
8	4	202	246

Isolux



UGR diagram

Corrected UGR values (at 5700 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				viewed crosswise					viewed endwise		
x	y										
2H	2H	11.1	13.0	11.4	13.3	13.6	11.1	13.0	11.4	13.3	13.6
	3H	11.4	12.9	11.8	13.2	13.5	11.2	12.7	11.5	13.0	13.3
	4H	11.4	12.7	11.8	13.0	13.4	11.2	12.5	11.6	12.8	13.1
	6H	11.4	12.4	11.8	12.8	13.1	11.2	12.2	11.6	12.5	12.9
	8H	11.4	12.4	11.8	12.7	13.1	11.1	12.1	11.5	12.5	12.8
	12H	11.3	12.3	11.7	12.7	13.0	11.1	12.1	11.5	12.4	12.8
4H	2H	11.2	12.5	11.6	12.8	13.1	11.4	12.7	11.8	13.0	13.4
	3H	11.6	12.6	12.1	13.0	13.4	11.7	12.6	12.1	13.0	13.4
	4H	11.7	12.6	12.1	13.0	13.4	11.7	12.6	12.1	13.0	13.4
	6H	11.4	12.9	11.9	13.4	13.8	11.4	12.9	11.9	13.4	13.8
	8H	11.3	13.0	11.7	13.4	13.9	11.3	13.0	11.8	13.5	14.0
	12H	11.1	13.0	11.6	13.4	14.0	11.2	13.0	11.7	13.5	14.0
8H	4H	11.3	13.0	11.8	13.5	14.0	11.3	13.0	11.7	13.4	13.9
	6H	11.2	12.9	11.7	13.4	13.9	11.2	12.9	11.7	13.4	13.9
	8H	11.2	12.7	11.7	13.2	13.7	11.2	12.7	11.7	13.2	13.7
	12H	11.3	12.4	11.8	12.9	13.4	11.3	12.4	11.8	12.9	13.4
12H	4H	11.2	13.0	11.7	13.5	14.0	11.1	13.0	11.6	13.4	14.0
	6H	11.2	12.7	11.7	13.2	13.7	11.2	12.7	11.7	13.2	13.7
	8H	11.3	12.4	11.8	12.9	13.4	11.3	12.4	11.8	12.9	13.4

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