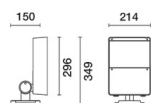## Platea Pro

Design Jean Michel Wilmotte　　　　　　　　　　　**iGuzzini**

Last information update: May 2018

Platea Pro

Product code
P799

Technical description
Outdoor luminaire with a Flood optic, designed to use LED lamps. Made up 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. With a 5 mm thick colourless transparent tempered sodium-calcium glass cover. The product can be tilted by +5°/-90° around the vertical plane with mechanical blocks that guarantee stable aiming of the beam of light. Horizontal aiming is performed using the slots in the base, which allow an ±30° adjustment. High visual comfort. Polymer optic lenses offering high yield and even light distribution. Complete with circuit fitted with Warm White monochrome power LEDs. Extractable control gear connected with quick-coupling connectors. 220-240V ac 50/60Hz electronic ballast. Replaceable control gear. All the screws used are made of A2 stainless steel.

Installation
The luminaire can be installed at ground level or on walls using the standard base. Spike accessory for ground installation.

Dimension (mm)
296x214

Colour
Grey (15)

Weight (Kg)
5.32

Mounting
wall arm|wall surface|ground anchored

Wiring
Luminaire ready for pass-through wiring. Product perfect watertightness at the power cable entry point is guaranteed by 2 nickel-plated brass M24x1.5 cable clamps, suitable for cables with a max external 14mm ø (1.5mm² cross section). Push in terminal board.

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: P799

Product characteristics

Total lighting output [Lm]: 2400	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 34.8	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 69	Voltage [V]: -
Life Time: 74,000h - L80 - B10 (Ta 25°C)	Ambient temperature range: from -20°C to +35°C. (*)
Number of optical assemblies: 1	

* Preliminary data

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 75	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 4.8
Nominal power [W]: 30	Colour temperature [K]: 3000
Nominal luminous [Lm]: 3200	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 28°	MacAdam Step: 3

Polar

Imax=8853 cd

		Lux			
90°	180° 90°	h	d	Em	Emax
		2	1	1815	2213
9000		4	2	454	553
		6	3	202	246
	0°	8	4	113	138

α=28°

Isolux

Lux
h=5 m.
α=0°

LED
/
34.8 W

239   31   9   3   1.1   0.6   0.3   0.2   0.1

-1 0 1 2 3 4 5 6 7 8 9 m
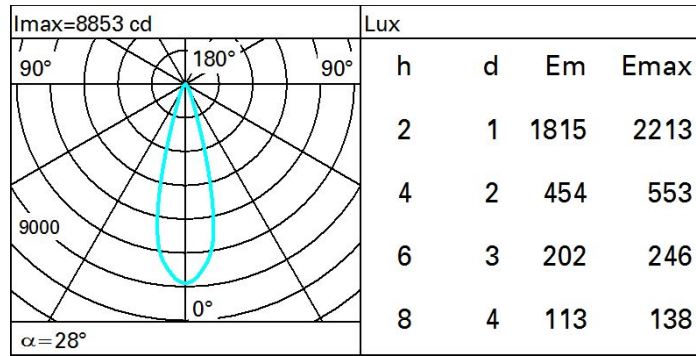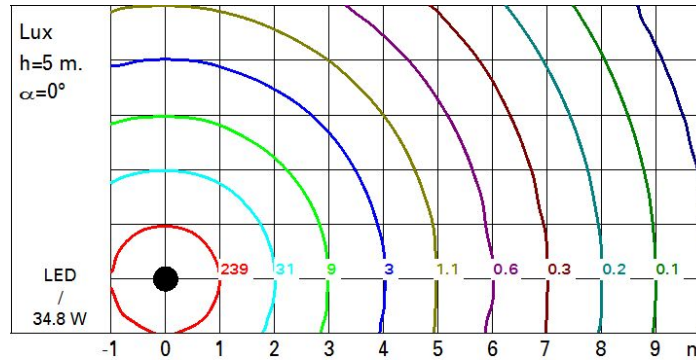
UGR diagram

Corrected UGR values (at 3200 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	13.2	15.2	13.6	15.5	15.8	13.2	15.2	13.6	15.5	15.8
	3H	13.6	15.1	14.0	15.4	15.7	13.4	14.8	13.7	15.2	15.5
	4H	13.6	14.9	14.0	15.2	15.5	13.4	14.6	13.8	15.0	15.3
	6H	13.6	14.6	14.0	14.9	15.3	13.4	14.4	13.8	14.7	15.1
	8H	13.6	14.6	14.0	14.9	15.3	13.3	14.3	13.7	14.7	15.0
	12H	13.5	14.5	13.9	14.8	15.2	13.3	14.3	13.7	14.6	15.0
4H	2H	13.4	14.6	13.8	15.0	15.3	13.6	14.9	14.0	15.2	15.5
	3H	13.8	14.8	14.2	15.2	15.5	13.8	14.8	14.2	15.2	15.6
	4H	13.9	14.8	14.3	15.2	15.6	13.9	14.8	14.3	15.2	15.6
	6H	13.6	15.1	14.0	15.5	16.0	13.6	15.1	14.1	15.6	16.0
	8H	13.4	15.2	13.9	15.6	16.1	13.5	15.2	14.0	15.7	16.2
	12H	13.3	15.2	13.8	15.6	16.1	13.4	15.2	13.9	15.7	16.2
8H	4H	13.5	15.2	14.0	15.7	16.2	13.4	15.2	13.9	15.6	16.1
	6H	13.4	15.1	13.9	15.5	16.1	13.4	15.1	13.9	15.5	16.1
	8H	13.4	14.9	13.9	15.4	15.9	13.4	14.9	13.9	15.4	15.9
	12H	13.5	14.5	14.0	15.0	15.6	13.5	14.5	14.0	15.0	15.6
12H	4H	13.4	15.2	13.9	15.7	16.2	13.3	15.2	13.8	15.6	16.1
	6H	13.4	14.9	13.9	15.3	15.9	13.4	14.8	13.9	15.3	15.9
	8H	13.5	14.5	14.0	15.0	15.6	13.5	14.5	14.0	15.0	15.6

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