Platea Pro

Design Jean-Michel Wilmotte **iGuzzini**

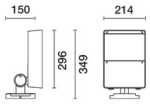
Last information update: December 2024

Product configuration: P831
P831: Platea Pro

Product code
P831: Platea Pro

Technical description
Flood optic outdoor luminaire, designed to use WNC (White 2700K, 4000K, 6000K) LED lamps and DMX512-RDM control. 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 a 10° step graduated gauge and fitted 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 multi-LED power plate with individual white 2700K, 4000K and 6000K LEDs (WNC). Extractable control gear connected with quick-coupling connectors. 220-240V ac 50/60Hz DALI 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.



Colour	**Weight (Kg)**
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	5.35

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 .

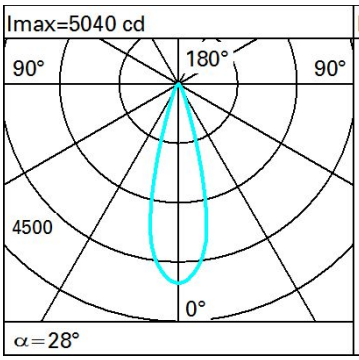
Complies with EN60598-1 and pertinent regulations

IK08 IP66 pending

Technical data

lm system:	1383	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	17.9	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
lm source:	1800	Voltage [Vin]:	230
W source:	12	Lamp code:	LED
Luminous efficiency (lm/W, real value):	77.2	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	77	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	28°	Power factor:	See installation instructions
Colour temperature [K]:	Tunable white 3000 - 5700	Control:	DMX-RDM

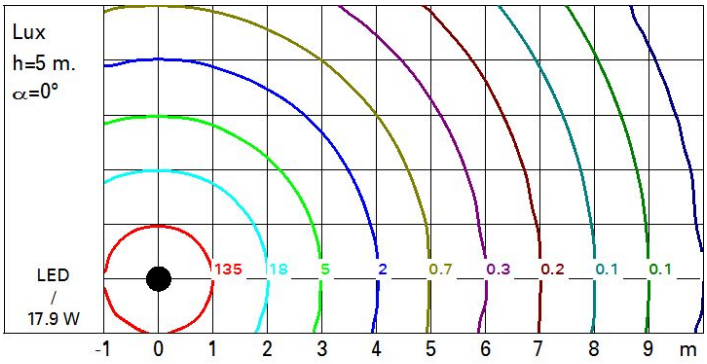
Polar



Lux

h	d	Em	Emax
8	4	65	79
16	8	16	20
24	12	7	9
32	16	4	5

Isolux



UGR diagram

Corrected UGR values (at 1800 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	11.4	13.3	11.7	13.6	14.0	11.4	13.3	11.7	13.6	14.0
	3H	11.7	13.2	12.1	13.6	13.9	11.5	13.0	11.9	13.3	13.7
	4H	11.8	13.0	12.2	13.4	13.7	11.5	12.8	11.9	13.1	13.5
	6H	11.8	12.8	12.1	13.1	13.5	11.5	12.5	11.9	12.9	13.2
	8H	11.7	12.7	12.1	13.1	13.4	11.5	12.5	11.9	12.8	13.2
	12H	11.7	12.6	12.1	13.0	13.4	11.4	12.4	11.8	12.8	13.2
4H	2H	11.5	12.8	11.9	13.1	13.5	11.8	13.0	12.2	13.4	13.7
	3H	12.0	13.0	12.4	13.3	13.7	12.0	13.0	12.4	13.4	13.7
	4H	12.0	13.0	12.5	13.4	13.8	12.0	13.0	12.5	13.4	13.8
	6H	11.7	13.3	12.2	13.7	14.2	11.8	13.3	12.2	13.7	14.2
	8H	11.6	13.3	12.1	13.8	14.3	11.6	13.4	12.1	13.8	14.3
	12H	11.5	13.3	12.0	13.8	14.3	11.5	13.4	12.0	13.8	14.3
8H	4H	11.6	13.4	12.1	13.8	14.3	11.6	13.3	12.1	13.8	14.3
	6H	11.6	13.2	12.1	13.7	14.2	11.6	13.2	12.1	13.7	14.2
	8H	11.5	13.0	12.1	13.5	14.1	11.5	13.0	12.1	13.5	14.1
	12H	11.6	12.7	12.2	13.2	13.7	11.6	12.7	12.2	13.2	13.7
12H	4H	11.5	13.4	12.0	13.8	14.3	11.5	13.3	12.0	13.8	14.3
	6H	11.5	13.0	12.1	13.5	14.1	11.5	13.0	12.1	13.5	14.0
	8H	11.6	12.7	12.2	13.2	13.7	11.6	12.7	12.2	13.2	13.7

Variations with the observer position at spacing:

S =			
	1.0H	2.0 / -1.6	2.0 / -1.6
	1.5H	3.9 / -2.6	3.9 / -2.6
	2.0H	5.5 / -3.5	5.5 / -3.5