# Platea Pro

**Design Jean-Michel Wilmotte** | **iGuzzini**

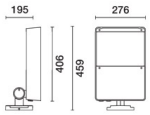
Last information update: November 2024

**Product configuration: E803**
E803: Platea Pro

**Product code**
E803: Platea Pro

**Technical description**
Outdoor luminaire with a SuperSpot 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 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 circuit fitted with Neutral White monochrome power LEDs. 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**
White (01) | Black (04) | Grey (15) | Rust Brown (F5)

**Weight (Kg)**
8.55

**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 16mm 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

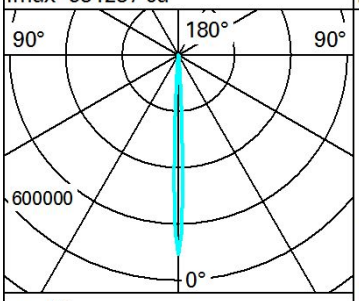
**Technical data**

| | |
|---|---|
| lm system: | 7449 |
| W system: | 84 |
| lm source: | 9550 |
| W source: | 77 |
| Luminous efficiency (lm/W, real value): | 88.7 |
| lm in emergency mode: | - |
| Total light flux at or above an angle of 90° [Lm]: | 0 |
| Light Output Ratio (L.O.R.) [%]: | 78 |
| Beam angle [°]: | 4° |
| CRI (minimum): | 80 |
| Colour temperature [K]: | 4000 |
| MacAdam Step: | 2 |
| Life Time LED 1: | 60,000h - L80 - B10 (Ta 25°C) |

| | |
|---|---|
| Life Time LED 2: | 60,000h - L80 - B10 (Ta 40°C) |
| Lamp code: | LED |
| Number of lamps for optical assembly: | 1 |
| ZVEI Code: | LED |
| Number of optical assemblies: | 1 |
| Intervallo temperatura ambiente: | from -30°C to 50°C. |
| Power factor: | See installation instructions |
| Inrush current: | 70 A / - µs |
| Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 6 luminaires<br>B16A: 11 luminaires<br>C10A: 11 luminaires<br>C16A: 18 luminaires |
| Minimum dimming %: | 10 |
| Overvoltage protection: | 10kV Common mode & 6kV Differential mode |
| Control: | DALI-2 |

**Polar**

Imax=531237 cd

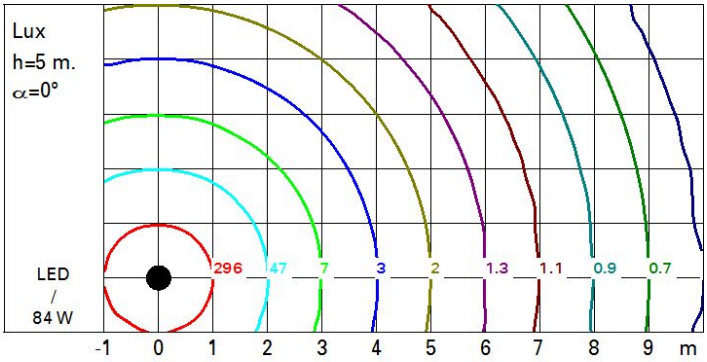



α=4°

Lux

| h | d | Em | Emax |
|---|---|---|---|
| 50 | 3.5 | 172 | 212 |
| 100 | 7 | 43 | 53 |
| 150 | 10.5 | 19 | 24 |
| 200 | 14 | 11 | 13 |

**Isolux**




**UGR diagram**

Corrected UGR values (at 9550 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 | | | | | viewed | | |
| x | y | | | crosswise | | | | | endwise | | |
| 2H | 2H | 11.2 | 13.2 | 11.5 | 13.5 | 13.8 | 11.2 | 13.2 | 11.5 | 13.5 | 13.8 |
| | 3H | 11.6 | 12.8 | 12.0 | 13.1 | 13.4 | 11.7 | 12.9 | 12.1 | 13.2 | 13.5 |
| | 4H | 11.7 | 12.5 | 12.0 | 12.8 | 13.1 | 11.8 | 12.6 | 12.2 | 12.9 | 13.3 |
| | 6H | 11.7 | 12.2 | 12.0 | 12.5 | 12.8 | 11.8 | 12.3 | 12.2 | 12.7 | 13.0 |
| | 8H | 11.6 | 12.2 | 12.0 | 12.6 | 12.9 | 11.7 | 12.4 | 12.1 | 12.7 | 13.1 |
| | 12H | 11.5 | 12.3 | 11.9 | 12.7 | 13.0 | 11.6 | 12.5 | 12.0 | 12.8 | 13.2 |
| 4H | 2H | 11.8 | 12.6 | 12.2 | 12.9 | 13.3 | 11.7 | 12.5 | 12.0 | 12.8 | 13.1 |
| | 3H | 12.2 | 13.0 | 12.6 | 13.4 | 13.7 | 12.1 | 12.9 | 12.5 | 13.3 | 13.7 |
| | 4H | 12.0 | 13.3 | 12.4 | 13.7 | 14.1 | 12.0 | 13.3 | 12.4 | 13.7 | 14.1 |
| | 6H | 11.7 | 13.5 | 12.2 | 14.0 | 14.5 | 11.7 | 13.6 | 12.2 | 14.0 | 14.5 |
| | 8H | 11.6 | 13.5 | 12.1 | 14.0 | 14.5 | 11.6 | 13.6 | 12.1 | 14.0 | 14.5 |
| | 12H | 11.5 | 13.4 | 12.0 | 13.9 | 14.4 | 11.6 | 13.4 | 12.1 | 13.9 | 14.4 |
| 8H | 4H | 11.6 | 13.6 | 12.1 | 14.0 | 14.5 | 11.6 | 13.5 | 12.1 | 14.0 | 14.5 |
| | 6H | 11.6 | 13.2 | 12.1 | 13.7 | 14.2 | 11.6 | 13.2 | 12.1 | 13.7 | 14.2 |
| | 8H | 11.7 | 12.8 | 12.2 | 13.3 | 13.8 | 11.7 | 12.8 | 12.2 | 13.3 | 13.8 |
| | 12H | 11.9 | 12.4 | 12.4 | 12.9 | 13.5 | 11.9 | 12.4 | 12.4 | 12.9 | 13.5 |
| 12H | 4H | 11.6 | 13.4 | 12.1 | 13.9 | 14.4 | 11.5 | 13.4 | 12.0 | 13.9 | 14.4 |
| | 6H | 11.7 | 12.8 | 12.2 | 13.3 | 13.8 | 11.7 | 12.8 | 12.2 | 13.3 | 13.8 |
| | 8H | 11.9 | 12.4 | 12.4 | 12.9 | 13.5 | 11.9 | 12.4 | 12.4 | 12.9 | 13.5 |

Variations with the observer position at spacing:

| | | | |
|---|---|---|---|
| S = | 1.0H | 1.0 / -1.0 | 1.0 / -1.0 |
| | 1.5H | 2.1 / -2.1 | 2.1 / -2.1 |
| | 2.0H | 2.7 / -3.9 | 2.7 / -3.9 |