

Platea Pro

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Product configuration: P830

P830: Platea Pro



Product code

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Technical description

SuperSpot 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

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

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



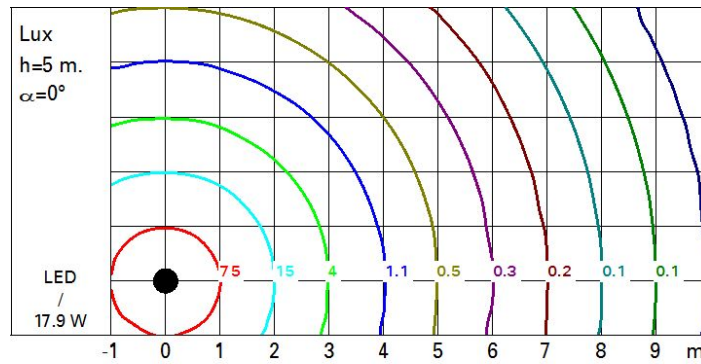
Technical data

lm system:	1404	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):	78.4	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.) [%]:	78	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	12°	Power factor:	See installation instructions
Colour temperature [K]:	Tunable white 3000 - 5700	Control:	DMX-RDM

Polar

Imax=17348 cd	Lux			
	h	d	Em	Emax
	10	2.1	142	173
	20	4.2	36	43
	30	6.3	16	19
	40	8.4	9	11

Isolux



UGR diagram

Corrected UGR values (at 1800 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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	10.3	12.2	10.6	12.5	12.8	10.3	12.2	10.6	12.5	12.8
	3H	10.8	12.0	11.2	12.4	12.7	10.6	11.8	10.9	12.1	12.5
	4H	10.8	11.8	11.2	12.1	12.5	10.7	11.6	11.0	11.9	12.3
	6H	10.8	11.5	11.2	11.9	12.2	10.7	11.4	11.0	11.7	12.0
	8H	10.8	11.6	11.1	11.9	12.3	10.6	11.4	11.0	11.7	12.1
	12H	10.7	11.6	11.1	11.9	12.3	10.5	11.4	10.9	11.8	12.1
4H	2H	10.7	11.6	11.0	11.9	12.3	10.8	11.8	11.2	12.1	12.5
	3H	11.1	12.1	11.5	12.4	12.8	11.1	12.0	11.5	12.4	12.8
	4H	11.1	12.2	11.5	12.6	13.1	11.1	12.2	11.5	12.6	13.1
	6H	10.8	12.5	11.3	12.9	13.4	10.8	12.5	11.3	13.0	13.4
	8H	10.7	12.5	11.2	13.0	13.5	10.7	12.5	11.2	13.0	13.5
	12H	10.6	12.4	11.1	12.9	13.4	10.6	12.5	11.1	12.9	13.5
8H	4H	10.7	12.5	11.2	13.0	13.5	10.7	12.5	11.2	13.0	13.5
	6H	10.7	12.3	11.2	12.7	13.3	10.7	12.2	11.2	12.7	13.2
	8H	10.7	12.0	11.2	12.4	13.0	10.7	12.0	11.2	12.4	13.0
	12H	10.9	11.6	11.4	12.1	12.6	10.9	11.6	11.4	12.1	12.6
12H	4H	10.6	12.5	11.1	12.9	13.5	10.6	12.4	11.1	12.9	13.4
	6H	10.7	12.0	11.2	12.5	13.0	10.7	12.0	11.2	12.4	13.0
	8H	10.9	11.6	11.4	12.1	12.6	10.9	11.6	11.4	12.1	12.6
Variations with the observer position at spacing:											
S =	1.0H	1.5 / -0.8					1.5 / -0.8				
	1.5H	2.9 / -1.8					2.9 / -1.8				
	2.0H	4.3 / -3.2					4.3 / -3.2				