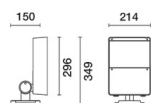


Platea Pro

Design Jean Michel Wilmotte

iGuzzini

Last information update: May 2018



Platea Pro

Product code

BV96

Technical description

Outdoor luminaire with a Wide Flood optic, designed to use LED RGBW 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° with a 10° step graduated scale and 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 $\pm 30^\circ$ adjustment option. High visual comfort. High yield, homogenous light distribution polymer optic lenses. Circuit complete with single chip RGBW LEDs (Red Green Blue and White LEDs) and a DMX512-RDM electronic check driver. Removable 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 on the wall or floor using a standard base. Ground-installed using an accessory stake.

Dimension (mm)

296x214

Colour

Grey/Black (74)

Weight (Kg)

5.35

Mounting

wall arm|ground surface|wall surface

Wiring

Luminaire ready for pass-through wiring. Product perfect watertightness at the power cable entry point is guaranteed by 2 x M24x1,5 nickel-plated brass cable glands suitable for cables with a max external $\varnothing 14\text{mm}$ (cross-section from 1.5mm²). Push in 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



Product configuration: BV96

Product characteristics

Total lighting output [Lm]: 636.9
Total power [W]: 18.5
Luminous efficacy [Lm/W]: 34.4
Life Time: 87,000h - L80 - B10 (Ta 25°C)
Ambient temperature range: from -20°C to +35°C. (*)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Life Time: 76,000h - L80 - B10 (Ta 40°C)
Number of optical assemblies: 1

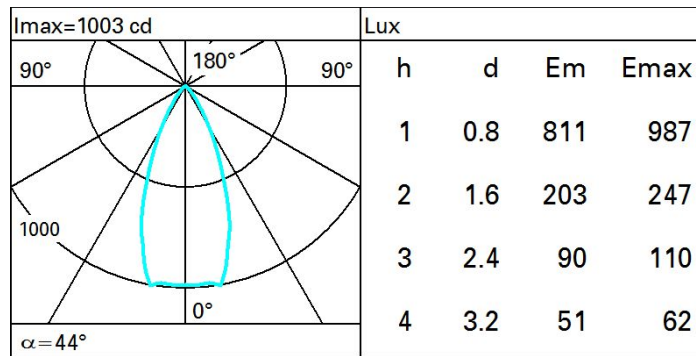
* Preliminary data

Optical assembly Characteristics Type 1

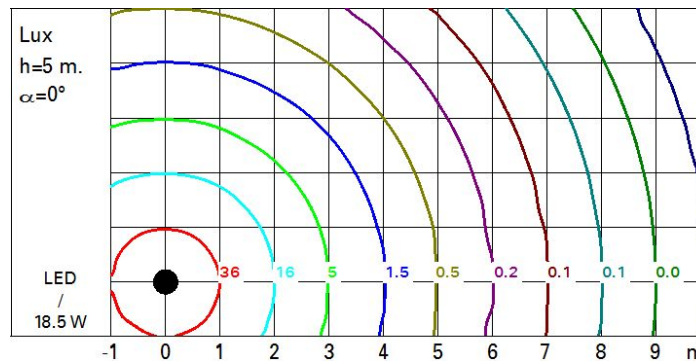
Light Output Ratio (L.O.R.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 12
Nominal luminous [Lm]: 850
Lamp maximum intensity [cd]: /
Beam angle [°]: 44°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 6.5
Colour temperature [K]: /
CRI: /
Wavelength [nm]: /
MacAdam Step: /

Polar



Isolux



UGR diagram

Corrected UGR values (at 850 lm bare lamp luminous flux)												
Reflect.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
		viewed crosswise					viewed endwise					
2H	2H	12.8	13.4	13.1	13.6	13.9	12.8	13.4	13.1	13.6	13.9	
	3H	12.8	13.4	13.2	13.7	14.0	12.8	13.3	13.1	13.6	13.9	
	4H	12.8	13.3	13.1	13.6	13.9	12.7	13.3	13.1	13.6	13.9	
	6H	12.8	13.2	13.1	13.5	13.9	12.7	13.2	13.0	13.5	13.8	
	8H	12.7	13.2	13.1	13.5	13.8	12.6	13.1	13.0	13.4	13.8	
	12H	12.7	13.1	13.1	13.5	13.8	12.6	13.1	13.0	13.4	13.7	
4H	2H	12.7	13.3	13.1	13.6	13.9	12.8	13.3	13.1	13.6	13.9	
	3H	12.8	13.3	13.2	13.6	14.0	12.8	13.3	13.2	13.6	14.0	
	4H	12.8	13.2	13.2	13.6	14.0	12.8	13.2	13.2	13.6	14.0	
	6H	12.8	13.1	13.2	13.5	13.9	12.8	13.1	13.2	13.5	13.9	
	8H	12.7	13.0	13.1	13.4	13.9	12.7	13.0	13.2	13.4	13.9	
	12H	12.7	12.9	13.1	13.4	13.8	12.7	13.0	13.1	13.4	13.8	
8H	4H	12.7	13.0	13.2	13.4	13.9	12.7	13.0	13.1	13.4	13.9	
	6H	12.7	12.9	13.1	13.4	13.8	12.6	12.9	13.1	13.4	13.8	
	8H	12.6	12.8	13.1	13.3	13.8	12.6	12.8	13.1	13.3	13.8	
	12H	12.6	12.7	13.1	13.2	13.7	12.6	12.7	13.1	13.2	13.7	
12H	4H	12.7	13.0	13.1	13.4	13.8	12.7	12.9	13.1	13.4	13.8	
	6H	12.6	12.8	13.1	13.3	13.8	12.6	12.8	13.1	13.3	13.8	
	8H	12.6	12.7	13.1	13.2	13.7	12.6	12.7	13.1	13.2	13.7	
Variations with the observer position at spacing:												
S =	1.0H	3.2 / -3.5					3.2 / -3.5					
	1.5H	5.7 / -5.0					5.7 / -5.0					
	2.0H	7.6 / -6.2					7.6 / -6.2					