

MADE IN ITALY 

# Series MA

*Efficiency the way we are!*

**LP ENERGY**  
SMART LIGHTING

## Marine Floodlight

OUTDOOR HIGH POWER

580 watt



MA-series floodlights are produced with top quality materials. Ideal for OUTDOOR lighting of places with a significant presence of marine salt air such as ports, roads, squares, parking lots, light towers, and areas bordering the sea (up to 20 km from the coast).

**BODY LAMP** consisting of an extruded aluminum profile, anodized more in depth than the standard one to make it unassailable from saltiness and specifically designed according to our proprietary design. The exclusive structural and geometric features allow an ideal heat dissipation, indispensable condition for controlling the temperature of the floodlight and thus ensuring correct operation. They also guarantee the LED module a duration of over 100,000 hours. Frames, rear mechanics, brackets and bolts are made of AISI 316 stainless steel.

**LED AND OPTICS** the special attention given to power and yield output of these products requires us to collaborate with the leading suppliers of high power LEDs at international level. A specific "conformal coating" treatment on the LED circuit is made for definitive protection.

A precise analysis on the optics allows us to customize each request in compliance with current regulations.

**COLOR TEMPERATURE** available: 4000 K and 5700 K (6500 K on request).

**SCREEN** in extra clear tempered glass resistant to thermal shock and impact.

**DRIVER** ensuring the operation of LEDs with a very wide input voltage and frequency range. Built-in and protected against short circuit, overvoltage and overtemperature.

**QUICK INSTALLATION** thanks to the pre-installed connector, without disassembling any component.

#### OPTIONS

- DOUBLE SWITCHING ON.
- BRACKETS of different types in AISI 316 stainless steel available on request.

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Perfectly suitable for light towers and large outdoor areas



### AVAILABLE COLOURS



## FEATURES

- Optimised **dissipation**
- Inox AISI 316 steel** mechanical parts
- Dedicated optics** for **wide open areas**
- Wide selection of **clamping**
- High luminous flux**

## APPLICATIONS

Large **OUTDOOR** industrial and residential areas lighting



AISI 316 stainless steel mechanics



Quick electrical connection



High luminous flux

### MA580W

Led power (W)	580
Total power consumption (W)	611
Luminous flux <sup>(1)</sup> (lm)	94.619
Real LED luminous efficiency (lm/W)	163
Nominal LED luminous efficiency <sup>(2)</sup> (lm/W)	170
Weight <sup>(3)</sup> (Kg)	13,50
Depth and height (PxH) <sup>(3)</sup> (± 5 mm)	215 x 755
Length L (± 5 mm)	270
Product variants	without lenses / standard lenses / special lenses
Installation	Outdoor
Lamp body material	Anodised aluminum / steel Inox AISI 316
Lamp body colour	Silver
Screen	Glass
Correlated colour temperature (K)	4.000 K - 5.700 K (6.500 K on request)
Colour rendering index	CRI 80-89
Useful life L80B20 <sup>(4)</sup>	up to 100.000 hours
Input voltage	220V/50-60Hz
Provided power supply insulation class	I
Operating temperature (°C)	- 30° C ÷ + 30° C
Photobiological hazard	Group 0 (exempted from CEI EN62471:2010 provisions)
Energy class	A+
Accessories and optional variations	Double switching on • Clamping accessories

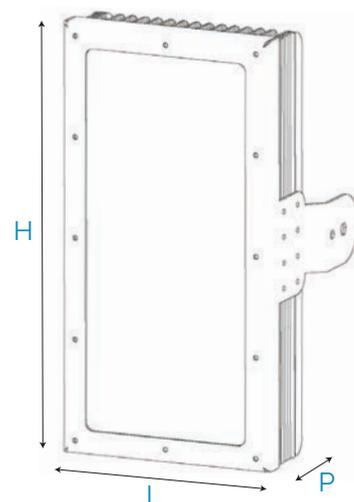
(1) Referred to CCT 5700K - CRI > 80 Ta 25°C, lamp without lenses.

(2) Nominal efficiency provided by the LED manufacturer.

(3) Suggested values are referred to products without brackets and power supply support (± 10%).

(4) L is the percentage of light output remaining after lumen-maintenance life measured in hours. B represents the max. percentage of LED with failure within lumen-maintenance life period.

Characteristics subject to changes without prior notice. Rev. 10/2019



### LIGHT DISTRIBUTION MEASURES

See [www.lpenery.it](http://www.lpenery.it) web site