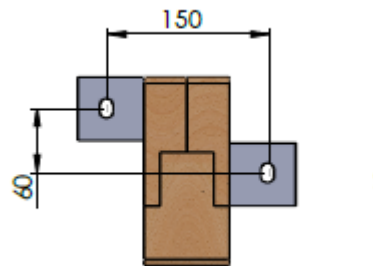
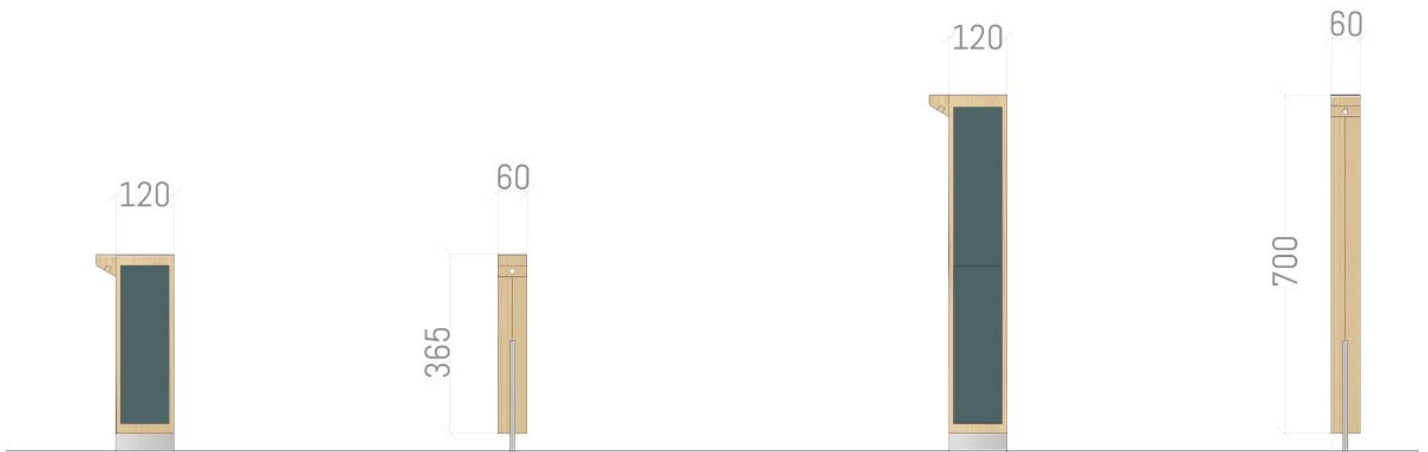


TYPE BM – SOLAR WOODEN BOLLARD

PRODUCT SHEET



Description

Wooden solar LED outdoor lighting post

Lighting Part

Optics

L2 Block

Stainless steel optical block, diameter 16 mm, screwed into the head.

LED power up to 1.4 W.

LED temperature 3000 K.

Lifespan: 50,000 hours (L90B50).

CRI > 80.

Photometry: 90° Asymmetric.

Class III – IK10 – IP67 – CE.

Waterproof connector for connection to the control box.

Compliant with the light pollution decree of December 2018.

Dimensions :

Model BM 36

- Height : 365 mm

- Section : 60 x 130 mm

Model BM 70

- Height : 700 mm

- Section : 60 x 130 mm



Frame

Frame made of Iroko wood Class IV or other materials upon request.

Minimum thickness of 20 mm.

Natural wood appearance. Uncoated, so no varnish maintenance required.

Assembly with stainless steel screws and inserts.

Easy maintenance of active parts by unscrewing.

Ground fixation with stainless steel base plate.

All screws and hardware of the product are made of 316L stainless steel.

Solar cells

Model BM 36

Sunpower solar panels. Quantity 2x1

Individual dimension : 325x100

Class III - IK10 - IP67 - CE

Model BM 70

Active HTS solar panels. Quantity 2x2

Individual dimension : 325x100

Class III - IK10 - IP67 - CE

Solar Cells

High-efficiency Sunpower Back Contact solar cells, 24%.
Lifespan exceeding 25 years.

Batteries

LiFePO4 Battery
1 LiFePO4 Battery. 9.6 V. 4.8Ah
8000 Cycles - DoD 55%.
Lifespan: 22 years.

All batteries, electronic cards, connections, and other electronic components are housed in IP67 resin-sealed enclosures. These enclosures are located inside the two uprights.

Operating software

Algorithmic management by microprocessor ensuring

- Charge management and calculation of optimal power throughout the year, considering latitude, season, and weather conditions, with MPPT technology.
- Battery discharge management to ensure operation for 365 nights per year.
- Integrated battery operating temperature measurement system on the electronic card for protection and extended lifespan.
- Battery charging temperatures : -10°C to +60°C.
- Operating temperatures: -30°C to +85°C.
- Minimum autonomy of 8 nights of lighting.

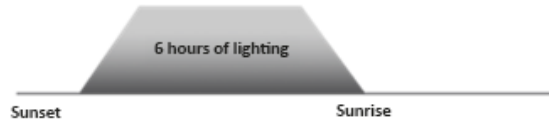
Bluetooth connection for product control via a smartphone application available on iOS and Android :

- Device ON/OFF function.
- Lighting scenario settings.

Lighting scenarios

SCENARIO 1

Lighting for 6 hours starting from sunset.



SCENARIO 2

Lighting for 4 hours after sunset and then 2 hours before sunrise



SCENARIO 3

From sunset to sunrise with motion detection (turn off after 2 minutes if no movement).

