HB20 Solar Powered Marine Light(2nm)

Description:

HB20 Design marine Solar power LED Boat/Beacon Navigation Lights is a cost effective, self-contained, high-performance, free maintenance, durable, anti-UV and easy to install solar LED marine light. It features a replaceable battery pack that extends the service life beyond five years, reducing the total cost of ownership and specially designed for the safety of small boat navigation such as yachts and fishing boats. It complies with IALA-AISM's requirements

Major functions & features

- Flashing and two nautical mile of visibility
- Turns on at dusk and off at dawn automatically or by a touch switch.
- Completely self-contained and waterproof IP67.
- Charge under nearly all weather conditions and up to 70 hrs of operating capacity from a full charge.
- Light and durable, designed for long term use in the harshest marine environments
- Lens is polycarbonate with anti-UV which is produced by Bayer.
- It has 256 IALA flashing patterns, user adjustable.

Specifications:

Light Output	360°Flashing
Average Intensity	White:18cd; Red:14cd; Amber: 12cd;
Visibility	2NM
LEDs and its Lifespan	10 Pcs and its lifespan up to 50,000 Hrs
Minimum Autonomy	200 Hours
ON/OFF Level	60/100 Lux
Latitude Range	55°S to 55°N
Solar panel	Mono-crystalline; 1.1Wp; Efficiency 16%
Battery	Ni-MH 5Ah/2.4V
Lens Material and Colors	Polycarbonate
Weight / Waterproof	0.25Kg / IP67
Temperature Range	-40℃ to +80℃

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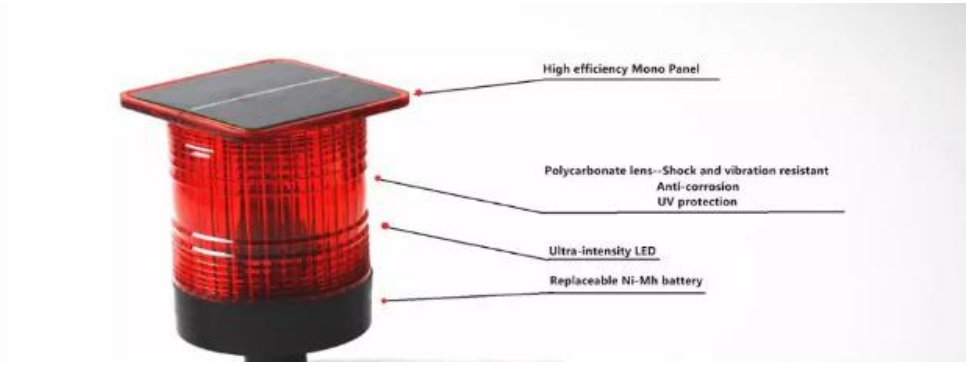
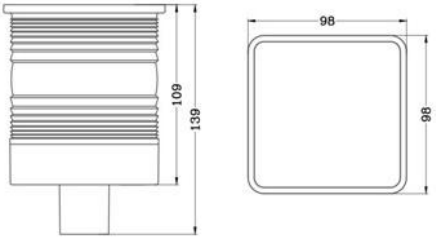
Details:



Crane warning



Dimension Drawings

HB20 at Night

HB20 in a High-building

Applications:

Marine Warning	Traffic Warning	Safety Warning	Obstruction Lighting
• Buoy Marking	• Barricade	• Mining	• Tower
• Aqua Cage	• Dangerous Sign	• Hazardous Zone	• Chimney
• Beacon Lighting	• Temporary Warning	• Equipment Marker	• High-building
• Ocean Engineering	• Slow Alert	• Pad Transformer	• Crane

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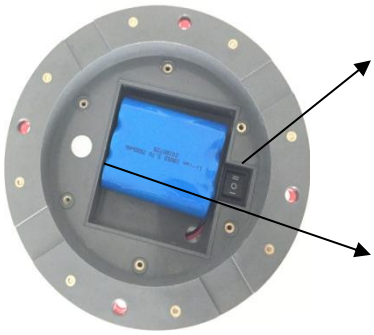
USER MANUAL

Please read the manual carefully before using the solar obstruction light

Preparations before installation Testing

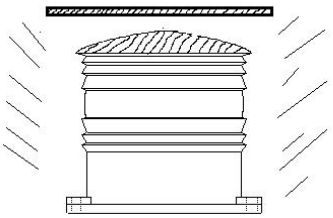


ON/OFF: Select the working model you need. One side is steady on and the other is flashing.

Waterproof security

Light Sensor

When the top of the light is covered tightly in the day time, it turns on and off when the cover removed. It means the light works normally.



Up to 4 bird deterrents can be installed

1. Insert the provided screw through the bird deterrent
2. Drive the screw into one of the 4 small holes on the top of the mount. Do not over tighten!

Operation

1. Unscrew the bottom cover of the light.
2. Select the working model you need. One side is steady on and the other is flashing.
3. When the top of the light is covered tightly in the day time, it turns on and off when the cover removed. It means the light works normally.
4. Tighten the bolt in the bottom.
5. Finally remove the protective film from the top of the light.

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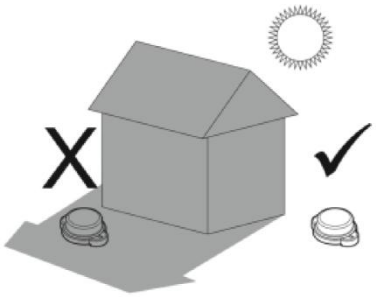
Installation

Year-round, unrestricted solar exposure is critical to long-term performance. Shade dramatically reduces the ability of the light to charge its battery.

Fix in place with 4x bolts, studs & nuts, nails or screws.



Operation&Storage

In daylight, the solar panel charges the battery using the Energy Management System (EMS). The capacity of the battery ensures that even with poor levels of sunlight over an extended period, the lantern has enough reserve power to continue to perform reliably. Stored battery energy then powers the LED during the night. Turn the lantern off to store. Check the battery state of charge every 6 months and charge if required. High-grade LiFePO4 batteries shipped with the Solar Obstruction Light can be stored without any charging for up to 3years with no battery damage.

Maintenance

Although the Light is maintenance-free, performance gains can be made. Clean with water and a soft sponge or cloth. A mild non-abrasive cleanser can be used for more stubborn residue. Clean more frequently during drier months as dust accumulates more quickly. Check the exterior for cracks, missing or broken hardware.

Recycling

This product may contain substances that could be harmful to the environment or human health if improperly handled at the product’s end of life. Check your local municipality for electronics recycles. The batteries are rechargeable Lithium batteries. Consult your local laws for information on recycling.

Warranty

This product is covered 3 years warranty. Failure to comply with the use, storage, maintenance, or installation instructions detailed in this manual could void the warranty. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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