

5-color LED Solar Powered Marine Lanterns

AH-LS/C-5



The AH-LS/C-5 marine lantern's emitting color is adjustable (Red, Green, Yellow, White, Blue). User could change the color by the switch inside light housing.

Solar Marine Lantern comes with rotary switches for convenient in-field changes of 256 flash characteristics. Four (4) solar panels are integrated into the assembly and mounted to collect sunlight at all angles.

GSM Monitoring as optional function, when fault happens, it will send out text message automatically.



Compliance

- IALA E-200-1

Features

Electrical

- Based on LED technology, and its color complies to IALA Recommendations E-200-1.
- LED technology reduces maintenance time & costs

Physical

- PC housing, UV resistance, shockproof and corrosion proof.
- Bird deterrent spike
- Powder coated die casting aluminum base
- 4-side mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon
- ON/OFF button interface

System design

- Emitting color is adjustable (White, Green, Yellow, Red, Blue)
- Solar panel as photocell for day/night operation (dusk to dawn)
- Equipped with rotary switches for adjust 256 kinds of flashing rate comply with IALA

Optional

- User-adjustable operation mode to toggle between dusk-till-dawn & 24hr operation
- External charger
- Wireless remote control
- GSM Monitoring
- RS232 485 port
- GPS Sync flashing
- Light intensity adjustable switch

Application

- AH-LS/C-5 Solar Marine Lantern is used on buoy, light house and any other off shore site for marine/river safe navigation.



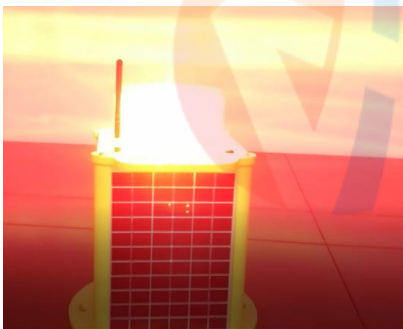
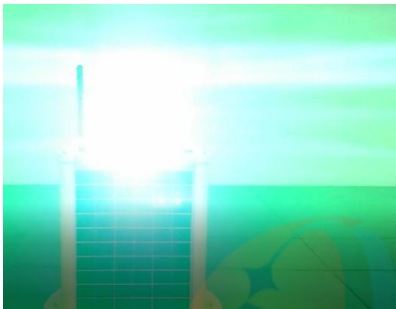
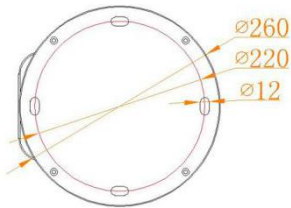
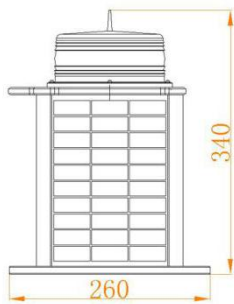
APPLICATION



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Dimension



SPECIFICATIONS

AH-LS/C-5 5-color LED Solar Powered Marine Lanterns

Light Characteristics

Light Source	Ultra high intensity CREE LED
Available Colors	Red&Green&Yellow&White&Blue
Visible Range(NM)	Up to 5 Nautical Miles (AT@0.74)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	7
Flash Characteristics	Adjustable 256 IALA light characteristics
Operation Mode	Dusk-to-dawn Automatically (Built-in photocell)
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage(V)	12Vdc
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	24
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Valve-Regulated Lead Acid Battery
Battery Capacity (Ah)	Depends on different visible range and function
Nominal Voltage (V)	12
Battery Service Life	Average 3 years

Physical Characteristics

Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting(mm)	260×260×Φ12
Dimension(mm)	260×260×340
Weight(kg)	9
Product Life Expectancy	Average 5 years

Environmental Factors

Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP68

Compliance

IALA	Signal colors compliant to IALA E-200-1
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Options Available

Wireless Remote Control
GSM Monitoring
RS232 485 port
GPS Sync flashing
Charging port
Light intensity adjustable switch