



APPLICATION



LED Medium-intensity Type B L864 Solar Aviation Obstruction Light AH-MS-B3

This Medium-intensity Type B Aviation Obstruction Light flashing RED color, designed for marking top of obstacle which height is between 45 to 105 meters.

Ultra high intensity LED is used as light source which make performance better, and solar panel vertical degree is adjustable(10° 15° 20° 25° 30° 35° 40°) for get as much as sunlight in different area.

Compliance

- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Medium Intensity Type B Obstruction Light
- FAA L-864

Features

Electrical

- Ultra high intensity LED light source saving power consumption and maintenance

Physical

- UV & vibrations protected polycarbonate lens for converging light
- Self-contained without external power supply, Cable cost saving & cabling job saving, No wiring job, nice & easy installation
- Battery: Lithium ion battery
- The solar panel is packed separately from the light to decrease the size of packing as a result of saving the transportation cost

System design

- Solar panel as photocell for day & night working mode (dusk to dawn mode)
- ON/OFF button make local control easier

Optional

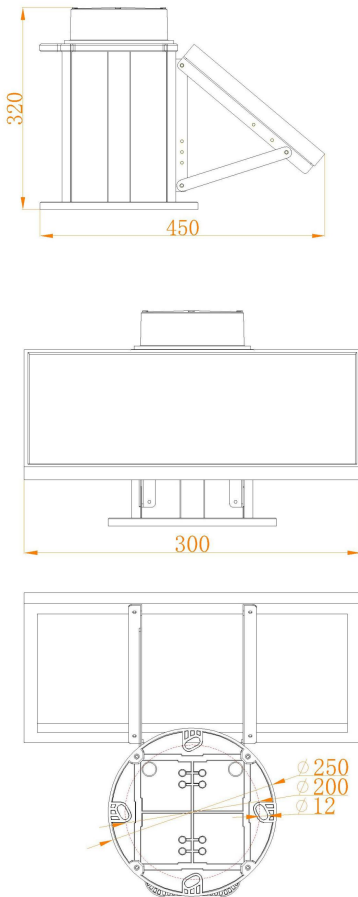
- GPS Synchronization
- Infrared LED for pilot using NVG
- Dry contact alarm output
- 485 Communication port

Application

- AH-MS-B3 solar medium-intensity light is specialized used on the top of the High Chimney, Telecommunication tower, Wind Turbine where there is no cable power supply and those facilities which have high requirements on lightning protection, and most time work with low intensity lights light installed on the lower place.

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Dimension(mm)



SPECIFICATIONS

AH-MS-B3 LED LED Medium-intensity Type B L864 Solar Aviation Obstruction Light

Light Characteristics

Light Source	Ultra high intensity LED
Emitting Color	Red
Intensity(cd)	>2000cd(Night)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥3
Flash Characteristics	Flashing 20FPM
Operation Mode	Dusk-to-Dawn operation(Solar panel as photocell)
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage(Vdc)	12
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	20W
Charging Regulation	Microprocessor controlled
Battery Characteristics	Lithium ion battery (VRLA is optional)

Battery Characteristics

Battery type	
Nominal Voltage (V)	11.1V
Battery Capacity	12AH (others is customized)
Autonomy (hours)	≥100hours(Longer is customized)

Physical Characteristics

Lamb Body Material	UV protected Polycarbonate
Base Material	Die casting aluminum
Installation Size	200×200×M10
Overall Size (mm)	450×320×300
Weight(kg)	7
Product Life Expectancy	>10years (Battery 3-5years)

Environmental Factors

Ambient Temperature(°C)	-35~80
Humidity	0~95%
Wind Speed	80m/s
Waterproof	IP66

Compliance

ICAO	Annex 14 Volume 1,'Aerodrome Design and Operations' Seventh edition July 2016, table 6.3 Medium-intensity Type A Obstacle Light
FAA	L-864

Optional

GPS Synchronization	
NVG - compatible infrared (IR) LED	