



## 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

#### System design

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

#### Optional

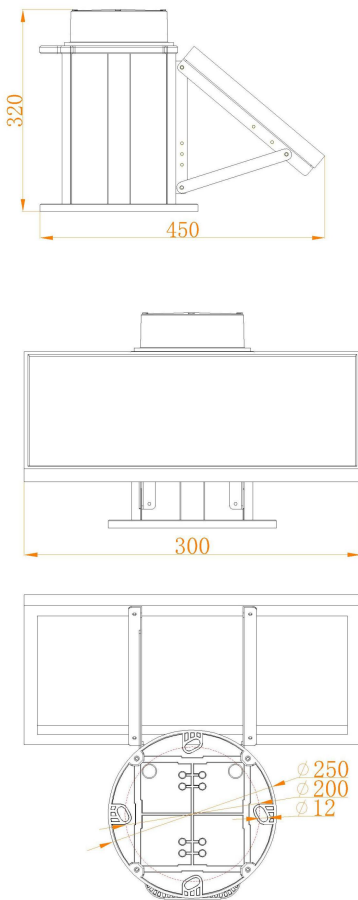
- GPS Synchronization
- Infrared LED for pilot using NVG

### 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 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

Battery type	Lithium ion( VRLA battery is optional)
Nominal Voltage (V)	11.1V
Battery Capacity	16AH (others is optional)
Autonomy (hours)	120

#### Physical Characteristics

Lamb Body Material	UV protected Polycarbonate
Base Material	Die casting aluminum
Installation Size	190×190×M10
Overall Size (mm)	450×320×300
Weight(kg)	9
Product Life Expectancy	>10years (Battery 3years)

#### 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	