



APPLICATION



Medium-intensity Type B L864 Solar Aviation Obstruction Light AH-MS-B1

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.

CREE Ultra high intensity LED is used as light source which make performance better. Four (4) solar panels are integrated into the assembly and mounted to collect sunlight at all angles.

GPS device is optional for AH-MS/B, it make different lights flash synchronously.

Compliance

- ICAO Annex 14 Volume 1, Sixth edition, 2013, table 6.3 Medium Intensity Type B Obstruction Light
- FAA L-864

Features

Electrical

- Ultra high intensity CREE 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
- 4-side mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon
- Battery: VRLA (Valve-Regulated Lead Acid Battery)

System design

- Solar panel as photocell for day & night working mode (dusk to dawn mode)
- Interface ON/OFF button is more reliable and easy for local control

Optional

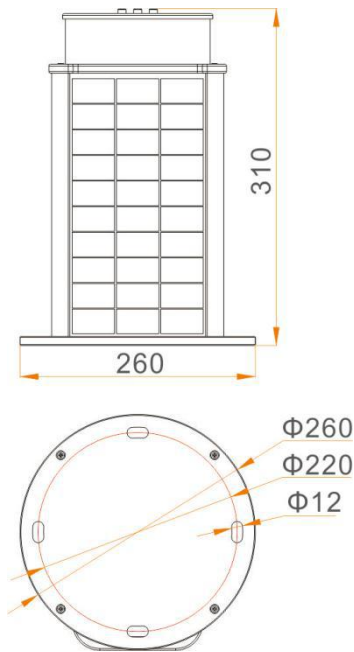
- GPS Synchronization
- GSM cellphone monitoring
- Infrared LED for pilot using NVG
- Remote control ON/OFF
- External battery charging port

Application

- AH-MS-B1 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 mostly come with the low intensity lights which are installed at lower place

Medium-intensity Type B L864 Solar Aviation Obstruction Light AH-MS-B1

Dimension(mm)



SPECIFICATIONS

AH-MS-B1 Medium-intensity Type B L864 Solar Aviation Obstruction Light

Light Characteristics

Light Source	Ultra high intensity CREE LED
Emitting Color	Red
Intensity(cd)	2000cd±25%
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥3
Flash Characteristics	Flashing 20FPM,
Operation Mode	Dusk-to-Dawn operation
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)	6×4=24W
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Valve-Regulated Lead Acid Battery(VRLA)
Nominal Voltage (V)	12
Battery Service Life	Average 3 years
Autonomy (hours)	150

Physical Characteristics

Lamb Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Installation Size	220×220×M10
Overall Size (mm)	260×260×310
Weight(kg)	8
Product Life Expectancy	Average 3 years

Environmental Factors

Ambient Temperature(°C)	-45~80
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP68

Compliance

ICAO	Annex 14 Volume 1, 'Aerodrome Design and Operations' Sixth edition July 2013, table 6.3 Medium-intensity Type B Obstacle Light
FAA	L-864

Optional

GPS Synchronization
GSM cellphone monitoring
NVG - compatible infrared (IR) LED