



APPLICATION



Medium-intensity Type A L865 Solar Aviation Obstruction Light AH-MS-A1

This Medium-intensity Type A Aviation Obstruction Light flashing white color, designed for marking top of obstacle which height is between 105 to 150 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 A Obstruction Light
- FAA L-865

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
- Side open stainless steel battery box
- Battery: Lithium ion battery
- Solar panel vertical degree is adjustable(10° 15° 20° 25° 30° 35° 40°)

System design

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

Optional

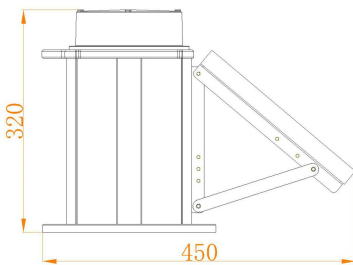
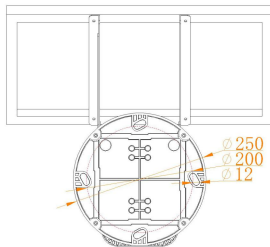
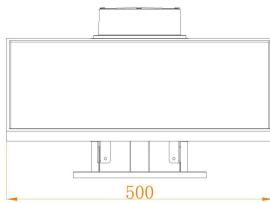
- GPS Synchronization
- Infrared LED for pilot using NVG

Application

- AH-MS-A1 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 & medium intensity type B light installed on the lower place.

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Dimension(mm)



SPECIFICATIONS

AH-MS-A1 Medium-intensity Type A L865 Solar Aviation Obstruction Light

Light Characteristics

Light Source	Ultra high intensity CREE LED
Emitting Color	White
Intensity(cd)	≥20000cd(Daytime), ≥2000cd(Night)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥3
Flash Characteristics	40FPM
Operation Mode	24hours 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)	35W
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Lithium ion battery(VRLA is optional)
Nominal Voltage (V)	11.1V
Battery Capacity	32AH (others is optional)
Battery Service Life	Average 3 years
Autonomy (hours)	120

Physical Characteristics

Lamb Body Material	UV protected Polycarbonate
Base Material	Die casting aluminum
Installation Size	200×200×M10
Overall Size (mm)	500×450×320
Weight(kg)	13
Product Life Expectancy	Average 3 years

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-865

Optional

GPS Synchronization	
NVG - compatible infrared (IR) LED	