

Medium-intensity Type A L865 Solar Aviation Obstruction Light

AL-MS/A



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.

Side open Stainless steel 304 material of battery box can be open for maintenance convenience very easily.

Compliance

- ICAO Annex 14 Volume 1, Sixth edition, 2013, 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: VRLA (Valve-Regulated Lead Acid Battery)

System design

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

Optional

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

Application

- AL-MS-A 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.

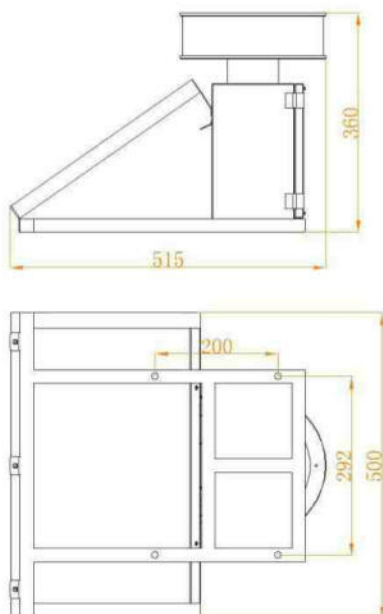
APPLICATION



Medium-intensity Type A L865 Double Solar Aviation Obstruction Light

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Dimension(mm)



SPECIFICATIONS

AL-MS-A Medium-intensity Type A L865 Solar Aviation Obstruction Light

Light Characteristics

Light Source	Ultra high intensity CREE LED
Emitting Color	White
Intensity(cd)	20000cd $\pm$ 25%(Daytime), 2000cd $\pm$ 25%(Night)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥ 3
Flash Characteristics	Flashing 20-60FPM
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)	20W
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	Valve-Regulated Lead Acid Battery(VRLA)
Installation Size	292 $\times$ 200 $\times$ M10
Overall Size (mm)	515 $\times$ 500 $\times$ 360
Weight(kg)	15
Product Life Expectancy	Average 3 years

Environmental Factors

Ambient Temperature($^{\circ}$ C)	-45~80
Humidity	0~95%
Wind Speed	80m/s
Waterproof	IP65

Compliance

ICAO	Annex 14 Volume 1,'Aerodrome Design and Operations' Sixth edition July 2013, table 6.3 Medium-intensity Type A Obstacle Light
FAA	L-865

Optional

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