

# Alrouf LED

## ART-MBS-03 (SINGLE)

### Solar Power

### Medium intensity Type B

### Aviation Obstruction Light



### SOLAR POWER

#### Products Description

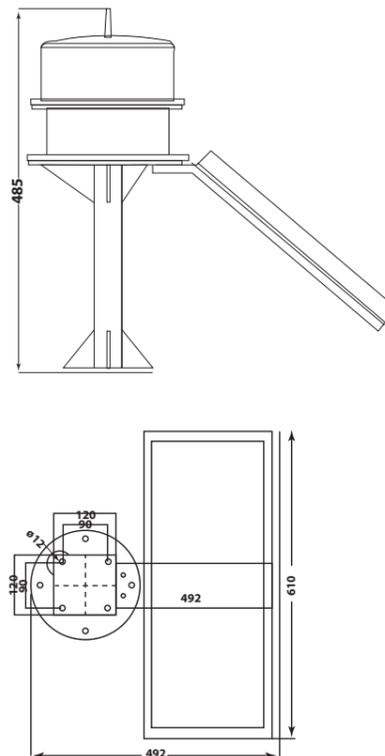
#### Solar Power Medium intensity Type B

ART-MBS-03(SINGLE) Medium-intensity solar power aviation obstruction light, its shell adopt high intensity casting aviation aluminum, Light source adopt high efficient SMT LED chip and combine with reflecting optical structure, which have the specific of high brightness and long lifespan; Management circuit with Strong lightning protection and With the surge protection device, which can adopt to extremely bad working environment. Built-in advanced battery management protection module, which can prolong the battery lifespan effectively

#### Features

- Housing adopt high intensity casting aviation aluminum.
- Adopt with independent research and development advanced optical lighting system Spotlight angle meets GACA and ICAO requirements.
- With surge protection device, which can adopt to extremely bad working environment.
- Adopt high conversion efficiency monocrystalline silicon chip, its service life is more than 20 years
- With the impact resistance, anti lightning, resistant to sunlight, anti snow, can resist typhoons, hail and other severe weather.
- Built-in independent battery charge and discharge management module, easy maintenance.
- It can be customized functions of GPS Beidou wireless synchronization LORA-10KM wireless sync, Remote control and telemetering.
- Integrated high-power solar panel design, high charging efficiency.

#### Dimension



#### Specification

Performed Standard	GACA	MH/T 6012-2015 and AC-137-CA-2017	Aviation obstruction light
	ICAO	ICAO Annex 14 Volume I The 8th Edition	Airport design and operation
	FAA	Advisory Circular 150/5345-43J	Specification for Obstruction Lighting Equipment

Model	ART-MBS-03(SINGLE)	Vertical Divergence	3°
Power supply	Solar power supply	Horizontal Out-put	360
Power frequency	DC supply	Overall Size	610*492*485mm (L*W*H)
Average power	≤2.5W	Installation size	Φ90mm*4*M8
Solar panel power	35W	Battery power	192WH
Working mode	Flash 20-60times/min	Ambient Temperature	-40°C~+55°C
Emitted color	Red		
Light source	LED	Weight	≈7.2kg
Shell material	Aviation dedicated Aluminum alloy	Wind load	240km/h
		Luminous mirror material	optical PC
Light source lifespan	≥200000h	Protection grade	IP65
Insulation Characteristic	/	Relative humidity	0%~95%
		Salt spray	Can be exposed to salt spray
Get wet in the rain	Can be exposed to rain in any wind direction	Battery type	Lithium iron phosphate battery
Radiation	Can be exposed to solar radiation	EMC standards	Emitted:EN55022(CISPR22) class A harmonic wave: EN61000-3-2,-3
Seismic resistance	10~500Hz,2G10min/cycle, XYZ 60 minutes for each axis		
Mean Time Between Failure	≥200000h, MIL-HDBK-217F(25°C)	Effective intensity	night : 2000cd,default ≥1600cd
		Photocell stage	50/100Lux

#### Application

Block,, Airport, High-Pole Lamp, Chimney, Bridge, Towers, Communication Tower, Super High Building