



## LED Dual White & Red Medium-intensity Aviation Obstruction Light

### AL-MI-A2-B2

This LED Dual White & Red Medium-intensity Aviation Obstruction Light emit red color at night, emit white color at daytime. It's designed for marking top of obstacle which height is more than 45meters.

Ultra high intensity CREE LED is used for the light source ensure the long life experience and good performance. Self-designed reflector is used to converge light, which could reach the standard light intensity with as less as the power consumption.



White lamp

Red lamp



### Compliance

- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Medium Intensity Type A / B / C Obstruction Light
- FAA L-864, FAA L-885, FAA L-865
- CAAC MH6012-2015 Aviation obstruction light, MH 5001—2013 Aerodrome technical standards

### Features

#### Electrical

- CREE ultra high intensity LED as light source saving power consumption and maintenance than incandescent light
- Power supply available in DC(12V, 24V, 48V) or AC(110-240VAC)

#### Physical

- Unique design and UV protected polycarbonate reflector for converging light
- UV protection Powder coated bright yellow color base make better visibility
- Base material is die casting aluminum which has strong corrosion resistance, Shock and Vibrations protection
-  Special vent installed under base to make sure the air could go through but water is avoid, so that the whole light temperature won't be high, to avoid the High pressure steam goes inside.

#### System design

- Built-in photocell for day/night operation(dusk to dawn operation)
- Surge and lightning protection
- GPS device inside for flashing synchronously

#### Optional

- Dry contact Alarm output for remote monitoring
- Other Flashing rate(20, 30, 40, 60, Steady mode)
- Infrared LED for pilot using NVG
- IOT monitoring

### Application

- Dual medium-intensity light is used on the top of the High-rise Building, High Chimney, marking towers (Telecom, GSM, Microwave & TV), High Pole, Tower Crane, Wind Turbine, etc when the obstacle height is 45-105meter, and most time work with low intensity lights installed on the lower place.

### APPLICATION



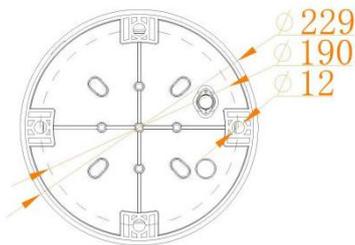
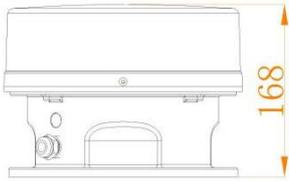


## LED Dual White & Red Medium-intensity Aviation Obstruction Light

### AL-MI-A2-B2

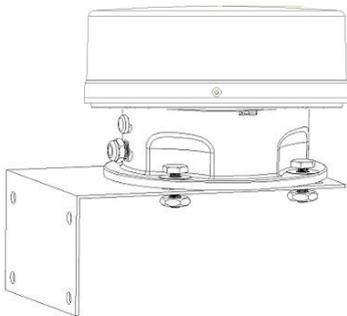
#### Dimension(mm)

##### Single lamp



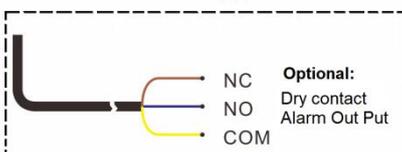
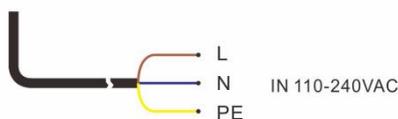
#### Installation

##### Single lamp



(Mounting bracket is charged separately, and size is customized)

#### Wiring diagram



#### SPECIFICATIONS

#### LED Dual White & Red Medium-intensity Aviation Obstruction Light

##### Light Characteristics

Light Source	CREE high intensity LED
Available Colors	Red(At night), White(Daytime)
Intensity(cd)	≥2000cd(Night), ≥20000cd(Daytime)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	3
Flash Characteristics	20-60FPM - Type B / A (factory setting: 20FPM) Steady mode - Type C
Operation Mode	24hours working
LED Life Experience(hours)	>100,000

##### Electrical Characteristics

Operating Voltage	DC(12V, 48VDC) or AC(110-240VAC) or others
Instantaneous power(W)	40W (Red mode)+600W(White mode)
Average Power(W)	5W(20fpm, red mode) + 13W(20fpm, white mode)
Lightning surge	IEC61000-4-5 L- N ±3kV IEC61000-4-5 L- PE ±6kV IEC61000-4-5 N- PE ±6kV IEC61000-4-2 Contact discharge 8kV

##### Electrostatic

Circuit Protection

##### Physical Characteristics

Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting	190×190×112 - 2 lamp
Dimension(mm)	229×229×168- 2 lamp
Weight(kg)	2.5 + 3.5
Product Life Expectancy	10 years Plus

##### Environmental Factors

Ambient Temperature(°C)	-40~55
Storage temperature(°C)	-55~70
Humidity	10%-95%RH(No condensation)
Wind Speed	240Km/h
Waterproof	IP66

##### Compliance

ICAO

Annex 14 Volume 1, 'Aerodrome Design and Operations' Seventh edition 2016, table 6.3  
Medium-intensity Type A / B / C Obstacle Light  
L-864, L-885, L-865

FAA

##### Options Available

Flashing rate  
NVG(Night Vision Goggles) compatible LED  
Dry contact alarm(NO COM NC)  
RS485 communication  
Bird deterrent spike  
IOT monitoring



## LED Dual White & Red Medium-intensity Aviation Obstruction Light

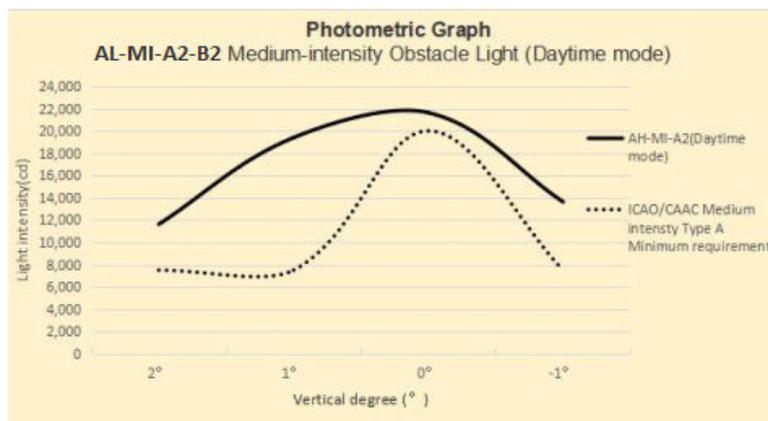
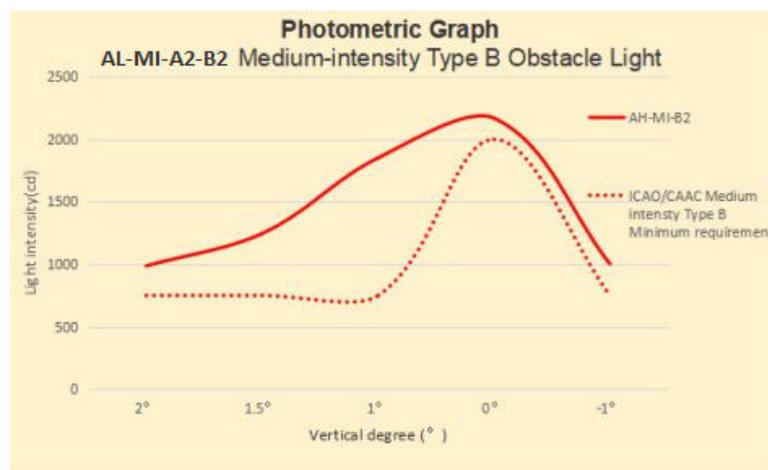
### AL-MI-A2-B2

#### Configuration

Model	Light source	Power input	Flash rate	Photocell	Dry contact Alarm	GPS sync flashing	Control
AL-MI-A2/B2	LED IR LED&IR	110-240VAC 12VDC 36VDC 48VDC	20FPM (Type B&A) 30FPM (Type B&A) 60FPM (Type B&A) 40FPM (Type B&A) Fixed (Type C&A)	Built-in No Photocell	No Alarm Alarm	GPS SYNC No SYNC	Used alone With controller

Remark: The first line is the factory setting if no special request.

#### Photometric



Data & specification subject to change without notification.