



## APPLICATION



# LED Medium-intensity Double Aviation Obstruction Light

**AH-MI-D1**

This LED Medium-intensity Double Aviation Obstruction Light emitting red color, designed for marking top of obstacle which height is between 45 to 105 meters.

Main-standby mode ensure the obstacle is always marked even one lamp fail. Because when main lamp fail, standby lamp will turn on automatically.

### Compliance


- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Medium Intensity Type B / C Obstruction Light
- FAA FAA 150 5345-43J L-864 , L-885

### Features

#### Electrical

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

#### Physical

- Unique design and UV protected polycarbonate lens 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 valve installed beside the base to make sure the air could go through but water is avoid, so that the whole light temperature won't be high.

#### System design

- Built-in photocell for day/night operation(dusk to dawn operation)
- Surge and lightning protection
- Main-standby mode

#### Optional

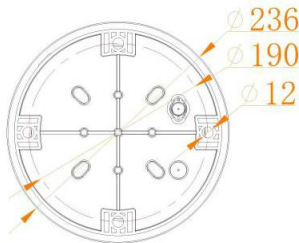
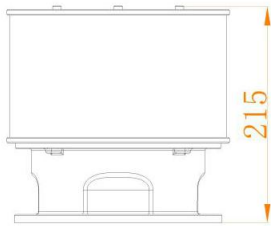
- Alarm contact for remote monitoring
- Infrared LED for pilot using NVG
- RS485/232 communication part for monitoring

### Application

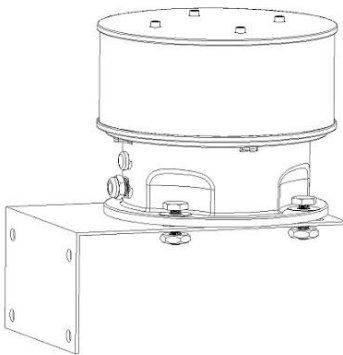
- AH-MI-D1 medium-intensity light is used on the top of the High-rise Building, High Chimney, marking towers (Telecom, GSM, Microwave & TV), High Pole, Tower Crane, Wind Turbine, etc when the obstacle height is 45-105meter, and most time work with low intensity lights installed on the lower place.

# LED Medium-intensity Double Aviation Obstruction Light AH-MI-D1

## Dimension

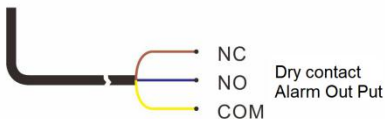
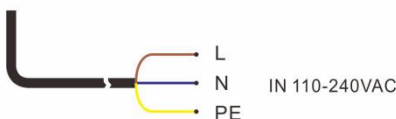


## Installation



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

## Wiring diagram



## SPECIFICATIONS

### AH-MI-D1 Medium-intensity Double Aviation Obstruction Light

#### Light Characteristics

Light Source	CREE high intensity LED
Available Colors	Red
Intensity(cd)	≥2000cd
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	4
Flash Characteristics	20FPM(Steady/40/60 are optional)
Operation Mode	Dusk-to-dawn Automatically as standard. Main-standby

#### LED Life Experience(hours)

>100,000

#### Electrical Characteristics

Operating Voltage	DC(12V, 48V) or AC(110-240VAC)
Power(W)	≤30W
Circuit Protection	Integrated

#### Physical Characteristics

Body Material	Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting	190×190×Ø12
Dimension(mm)	236×236×215
Weight(kg)	4.5
Product Life Expectancy	5 years Plus

#### Environmental Factors

Humidity	0%-100%
Wind Speed	80m/s
Waterproof	IP66

#### Compliance

ICAO	Annex 14 Volume 1,'Aerodrome Design and Operations' Seventh edition 2016, table 6.3 Medium-intensity Type B/C Red Obstacle Light
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#### Options Available

Infrared LED compatible for NVG (Night Vision Goggles)
Dry contact alarm output
RS485/232 communication