LED Medium-intensity Aviation Obstruction Light AH-MI-B2

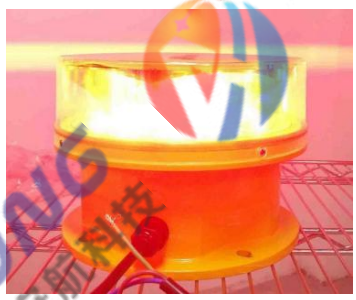
This LED Medium-intensity Aviation Obstruction Light emitting red color, designed for marking top of obstacle which height is more than 45meters.

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.

IP66

Compliance

- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Medium Intensity Type B / C Obstruction Light
- FAA L-864
- 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 or halogen lamp
- 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 devide 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
- Solar power system

APPLICATION

Application

- AH-MI-B2 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.

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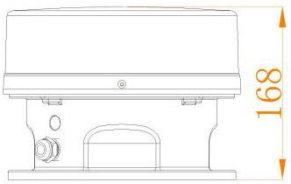
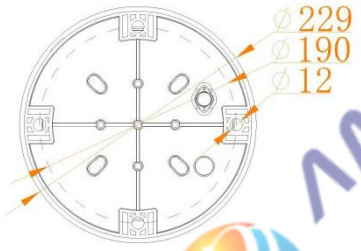
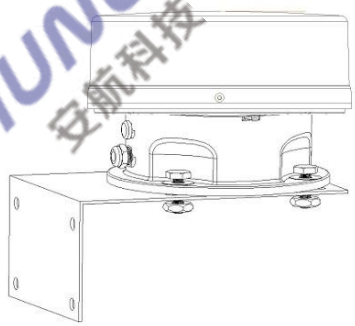
Dimension(mm)



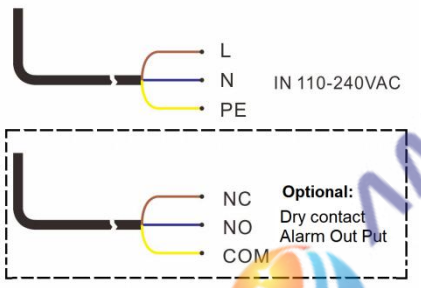


Installation



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

Wiring diagram



SPECIFICATIONS	AH-MI-B2 LED Medium-intensity Aviation Obstruction Light
Light Characteristics	
Light Source	CREE high intensity LED
Available Colors	Red(Other color is optional)
Intensity(cd)	≥2000cd
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	3
Flash Characteristics	20-60FPM - Type B (factory setting: 20FPM) Steady mode - Type C
Operation Mode	Dusk-to-dawn Automatically as standard.
LED Life Experience(hours)	>100,000
Electrical Characteristics	
Operating Voltage	DC(12V, 48VDC) or AC(110-240VAC) or others
Instantaneous power(W)	40
Average Power(W)	≤5W(20fpm)
Lightning surge	IEC61000-4-5 L- N ±3kV IEC61000-4-5 L- PE ±6kV IEC61000-4-5 N- PE ±6kV
Electrostatic	IEC61000-4-2 Contact discharge 8kV
Circuit Protection	Integrated
Physical Characteristics	
Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting	190×190×θ12
Dimension(mm)	229×229×168
Weight(kg)	2.5
Product Life Expectancy	10 years Plus
Environmental Factors	
Ambient Temperature(℃)	-55~55
Storage temperature(℃)	-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 B / C Red Obstacle Light
FAA	L-864
Options Available	
	Flashing rate NVG(Night Vision Goggles) compatible LED Dry contact alarm(NO COM NC) RS485 communication Bird deterrent spike IOT monitoring Solar power system

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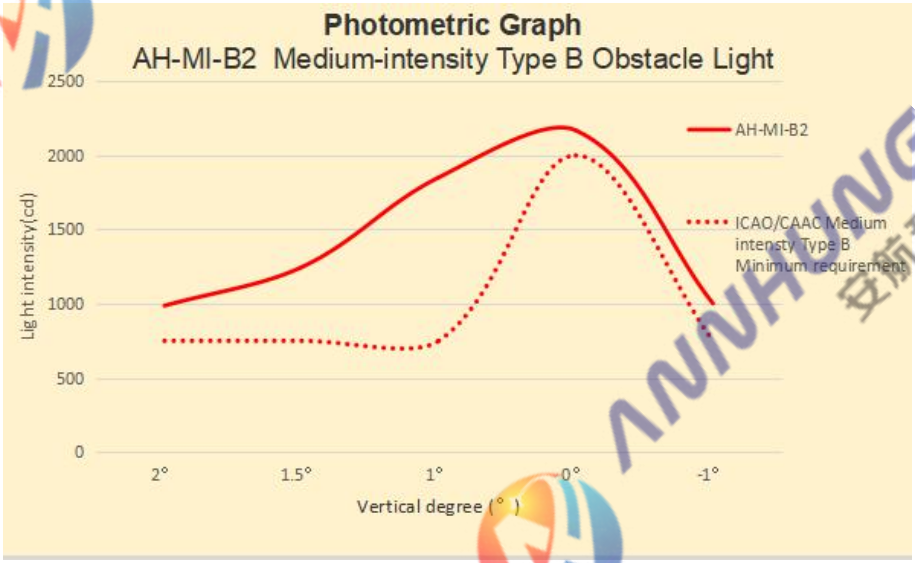
Configuration

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

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

Photometric



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