

LED Medium-intensity Aviation Obstruction Light AH-MI-A2

This LED Medium-intensity Aviation Obstruction Light flashing white color, designed for marking top of obstacle which height is more than 105meters.



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.



Compliance


- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Medium Intensity Type A Obstruction Light
- 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 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 device inside for flashing synchronously

Optional

- Dry contact Alarm output for remote monitoring
- Infrared LED for pilot using NVG
- IOT Monitoring
- Solar Power System

Application

- AH-MI-A2 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 105-150meter, and most time work with low /medium intensity lights installed on the lower place.

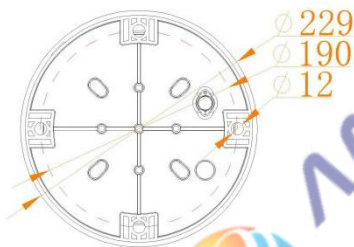
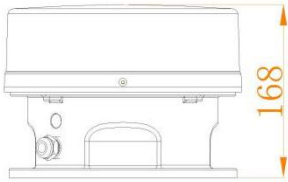


APPLICATION

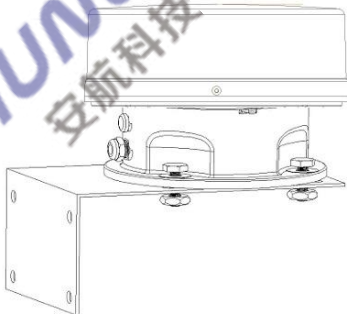


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Dimension(mm)

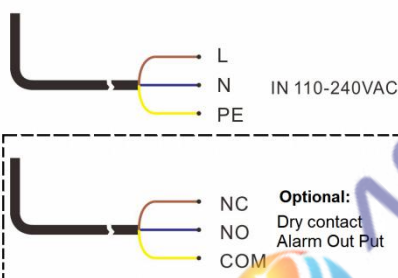


Installation



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

Wiring diagram



SPECIFICATIONS

AH-MI-A2 LED Medium-intensity Aviation Obstruction Light

Light Characteristics

Light Source	CREE high intensity LED
Available Colors	White(Other color is optional)
Intensity(cd)	≥2000cd(Night), ≥20000cd(Daytime)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	3
Flash Characteristics	20-60FPM - Type A (factory setting: 20FPM)
Operation Mode	24hours operation, 2 different modes
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	DC(12V, 48VDC) or AC(110-240VAC) or others
Instantaneous power(W)	600
Average Power(W)	≤13W(20fpm)
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	Integrated
Circuit Protection	Integrated

Physical Characteristics

Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting	190×190×612
Dimension(mm)	229×229×168
Weight(kg)	3.5
Product Life Expectancy	10 years Plus
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 White Obstacle Light L-865
FAA	L-865

Options Available

Flashing rate	NVG(Night Vision Goggles) compatible LED
Dry contact alarm(NO COM NC)	RS232 communication
Bird deterrent spike	IOT monitoring

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Configuration

Model	Light source	Power input	Flash rate	PhotoCell	Dry contact Alarm	GPS sync flashing	Control
AH-MI-A2	LED IR LED&IR	110-240VAC	20FPM	Built-in	No Alarm Alarm	GPS SYNC No SNYC	Used alone With controller
		12VDC	30FPM				
		36VDC	60FPM	No Photocell			
		48VDC	40FPM				

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

Photometric

