LED Medium-intensity Type A L865 Aviation Obstruction Light AH-MI-A2

IP66

APPLICATION

This LED Medium-intensity Type A L865 Aviation Obstruction Light flashing white color, designed for marking top of obstacle which height is between 105-150 meters.

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

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 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

Optional

- Dry contact Alarm output for remote monitoring
- GPS synchronization
- Infrared LED for pilot using NVG

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 between 105-150 meters, and most time work with low intensity lights & medium intensity type B light installed on the lower place.

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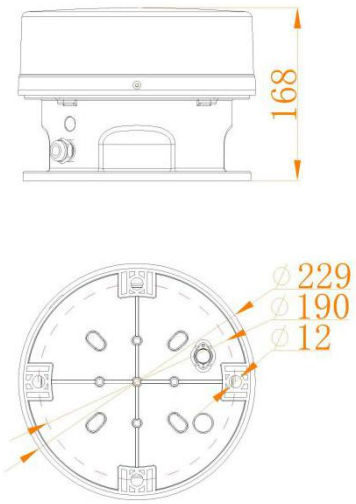
DOC: DT2020AHMIA2MAOL

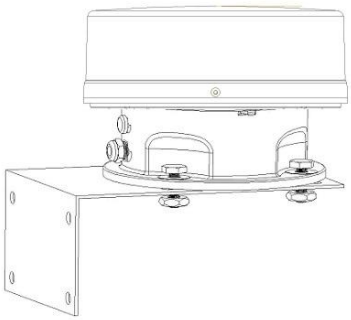
LED Medium-intensity Type A L865 Aviation Obstruction Light

AH-MI-A2

Dimension(mm)

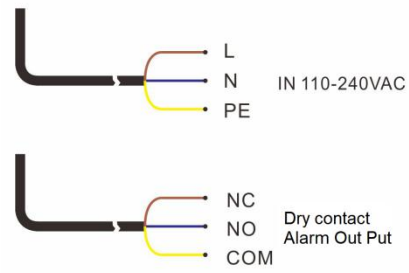


Installation



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

Wiring diagram



SPECIFICATIONS	AH-MI-A2 LED Medium-intensity Type A L865 Aviation Obstruction Light
Light Characteristics	
Light Source	CREE high intensity LED
Available Colors	White(Other color is optional)
Intensity(cd)	⩾20,000cd (Daytime) ⩾2,000cd(Night)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	3
Flash Characteristics	20-60 flashes per minute(factory setting: 40fpm)
Operation Mode	24hours operation, 2 different modes
LED Life Experience(hours)	>100,000
Electrical Characteristics	
Operating Voltage	DC(12V, 24V, 36V, 48V) or AC(110-240VAC)
Instantaneous power(W)	600
Average Power(W)	20W(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)	3
Product Life Expectancy	5 years Plus
Environmental Factors	
Ambient Temperature(℃)	-40~55
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 A White Obstacle Light
FAA	L-865
Options Available	
	Flashing rate NVG(Night Vision Goggles) compatible LED GPS sync flashing RS485 communication Bird deterrent spike

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Configuration

Model	Power input	Flash rate	Photocell	Dry contact Alarm	GPS sync flashing	Control
AH-MI-A2	110-240VAC 12VDC 36VDC 48VDC	20FPM 30FPM 60FPM 40FPM Steady	Built-in Photocell No Photocell	Alarm No Alarm	NO SYNC GPS SNYC	Used alone Used with controller

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

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