



LED Medium-intensity Red&White Dual Aviation Obstruction Light AH-MI-AB

This LED Medium-intensity Red&White Dual Aviation Obstruction Light flashing white color at daytime and red color at night. It's designed for marking top of obstacle which height is between 45-150 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, Medium Intensity Type B Obstruction Light
- FAA L-865 & FAA L-864

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
- Infrared LED for pilot using NVG
- GPS synchronization

Application

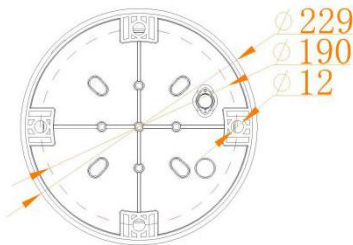
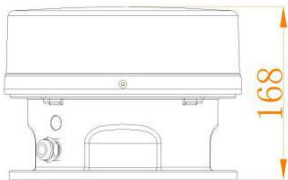
- AH-MI-AB medium-intensity light is used on the top of the High-rise Building, High Chimney, marking towers (Telecom, GSM, Microwave & TV), High Pole, Tower Crane, Wind Turbine, etc when the obstacle height is between 45-150 meters, and most time work with low intensity lights installed on the lower place.

APPLICATION

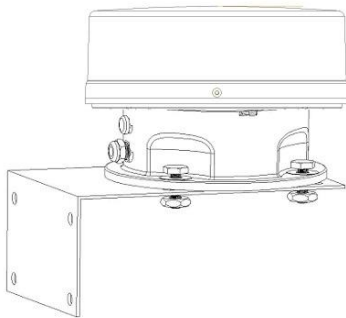


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Dimension(mm)

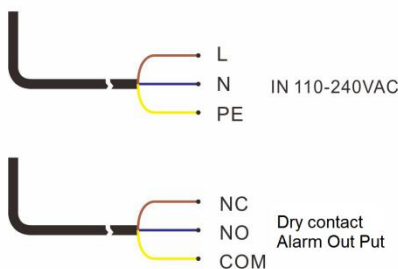


Installation



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

Wiring diagram



SPECIFICATIONS

AH-MI-AB LED Medium-intensity Red&White Dual Aviation Obstruction Light

Light Characteristics

Light Source	CREE high intensity LED
Available Colors	White (Daytime); Red (Night)
Intensity(cd)	≥20000cd (Daytime) ≥2000cd(Night)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	3
Flash Characteristics	20-60 flashes per minute(factory setting: 40fpm)
Operation Mode	Dusk-to-dawn Automatically as standard. 24hours operation as option
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	DC(12V, 24V, 36V, 48V) or AC(110-240VAC)
Power(W)	≤10W(night), ≤30W(daytime)
Circuit Protection	Integrated

Physical Characteristics

Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Mounting	190×190×Ø12
Dimension(mm)	229×229×168
Weight(kg)	4
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 A White Obstacle Light Medium-intensity Type B Red Obstacle Light L-865, L-864
FAA	

Options Available

GPS sync flashing
Infrared LED compatible for NVG (Night Vision Goggles)
Dry contact alarm output
RS485 communication
Bird deterrent spike