

Solar Powered Low-intensity Single Aviation Obstruction Light

AH-LI-B2



(Clear lens)



This solar Low-intensity light is a steady burning aviation obstruction light designed for marking top of obstacle that do not exceed 45 meters in height.

There is no need for external power input. The vertical degree of the solar panel is adjustable to ensure it could get the most sunlight in different area.

Compliance

- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Low Intensity Type A / B / E Obstacle Light
- FAA L-810
- CAAC MH6012-2015 Aviation obstruction light, MH 5001—2013 Aerodrome technical standards

Features

Electrical

- **3 high power CREE LED**, make sure LED keep bright while use

Physical

- Bird deterrent spike on top
- Unique designed PMMA lens for converging light and good transparency
- High translucency and anti-UV polycarbonate cover could use 3-5years without yellowing
- UV protection Powder coated bright yellow color base make better visibility and also long life in harsh environments
- Battery box made of corrosion resistant 304 stainless steel
- Self-contained without external power supply, Cable cost saving & cabling job saving, No wiring job, nice & easy installation
- Solar panel vertical degree is adjustable
- 3/4inch thread hole make pole installation easy

System design

- **Built-in photocell** for day/night operation(dusk to dawn operation, automatically turn on when background luminance $< 50\text{cd/m}^2$)
- **Steady(factory setting)/20FPM/30FPM/60FPM** DIP switches on PCB
- Surge and lightning protection

Optional

- Alarm contact(NO COM NC)for remote monitoring
- Infrared LED for pilot using NVG
- GPS sync flashing

Application

- AH-LI-B2 low-intensity light could be used alone 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 height is lower than 45m.
- When obstacle object is higher than 45m, AH-LI-B2 can be used with Medium-intensity or high-intensity obstruction light to indicate hazardous obstructions with a steady red safety light.

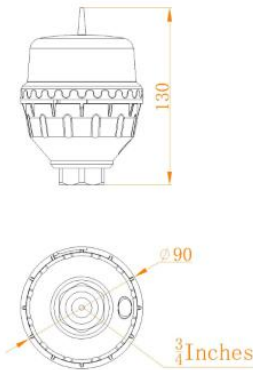
APPLICATION



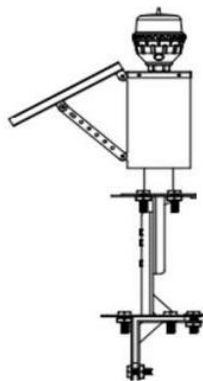
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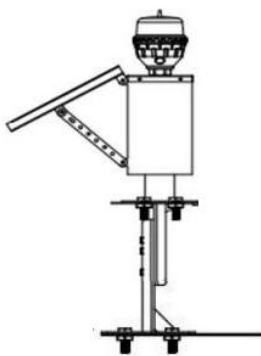
Dimension(Without solar power system unit:mm)



Installation



Mounting For angle tower



Mounting for tangent tower

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

SPECIFICATIONS

AH-LI-B2 Solar Powered Low-intensity Single Aviation Obstruction Light

Light Characteristics

Light Source	LED
Available Colors	Red
Intensity(candela)	≥32.5cd(type B),others optional(10cd, 40cd,etc)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady(factory setting)/20/30/60 adjustable
Operation Mode	Dusk-to-dawn Automatically as standard.
LED Life Experience(hours)	>100,000

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	12

Battery Characteristics

Battery type	Lithium ion battery
Nominal Voltage (V)	12
Autonomy (hours)	Steady: ≥80 (longer is optional)

Physical Characteristics

Body Material	Polycarbonate
Base Material	Die-casting aluminum
Mounting	3/4 inch pipe thread (No solar power system)
Dimension(mm)	Φ90×130 (No solar power system)
Weight(kg)	0.3 (No solar power system)
Product Life Expectancy	10 years Plus (Battery 3-5years)

Environmental Factors

Ambient Temperature(°C)	-40~75
Storage temperature(°C)	-55~70
Humidity	10%-95%RH(No condensation)
Wind Speed	130m/s
Waterproof	IP66

Compliance

ICAO	Annex 14 Volume 1,'Aerodrome Design and Operations' Seventh edition July 2016, table 6.3 Low-intensity Type A/B/E Obstacle Light
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Options Available

NVG(Night Vision Goggles) compatible LED
Dry contact alarm(NO COM NC)
GPS sync flashing

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Photometric

