

Low-intensity L810 Single Aviation Obstruction Light

AH-LI-B



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

Compliance

- ICAO Annex 14 Volume 1, Sixth edition, 2013, table 6.3 Low Intensity Type A / B Obstruction Light
- FAA L-810

Features

Electrical

- LED as light source saving power consumption and maintenance, 95% less power than equivalent incandescent light
- Power supply available in DC(12-48VDC) or AC(110-240VAC)

Physical

- Bird deterrent spike on top
- Unique designed polycarbonate lens for converging light and also provides corrosion resistance and UV protection.
- 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
- 3/4inch or 1inch(optional) thread hole make pole installation easy

System design

- Built-in photocell for day/night operation(dusk to dawn operation)
- Steady/Flashing(20flashes per minute) DIP switch on PCB
- Surge and lightning protection

Optional

- Alarm contact(NO COM NC)for remote monitoring
- Infrared LED for pilot using NVG
- GSM cellphone monitoring
- RS485 communication part for monitoring

Application

- AH-LI-B 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/B can be used with Medium-intensity or high-intensity obstruction light to indicate hazardous obstructions with a steady red safety light.



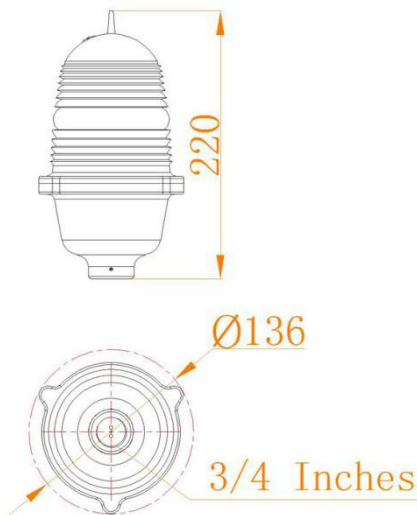
APPLICATION



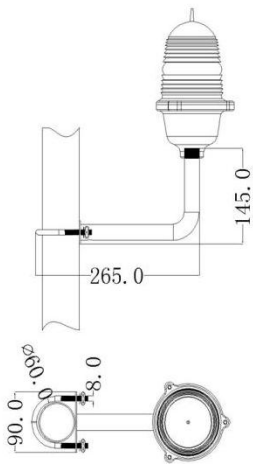
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Dimension



Installation



unit:mm

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

SPECIFICATIONS

AH-LI-B Low-intensity Single Aviation Obstruction Light

Light Characteristics

Light Source	LED
Available Colors	Red(Other color is optional)
Intensity(cd)	10cd (type A), 32.5cd(type B), others optional
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady-burning/Flashing(20fpm) adjustable
Operation Mode	Dusk-to-dawn Automatically as standard. 24hours operation as option

LED Life Experience(hours)

>100,000

Electrical Characteristics

Operating Voltage	DC(12-48VDC) or AC(110-240VAC)
Power(W)	3
Circuit Protection	Integrated

Physical Characteristics

Body Material	Polycarbonate
Base Material	Die-casting aluminum
Mounting	3/4 inch pipe thread as standard. 1inch as option
Dimension(mm)	136×136×220
Weight(kg)	0.75
Product Life Expectancy	5 years Plus

Environmental Factors

Ambient Temperature(°C)	-55~70
Humidity	10%-95%
Wind Speed	80m/s
Waterproof	IP65

Compliance

ICAO	Annex 14 Volume 1,'Aerodrome Design and Operations' Sixth edition July 2013, table 6.3 Low-intensity Type A/B Obstacle Light
FAA	L-810 Steady-burning Red Aviation Obstruction Light

Options Available

Flashing rate	
Powder-coated color	
NVG(Night Vision Goggles) compatible LED	
GSM Monitoring	
Dry contact alarm(NO COM NC)	