Low-intensity L810 Double Solar Aviation Obstruction Light AH-LS/DE

IP65

This LED Low-intensity Double Solar Aviation Obstruction light is adopting high efficient mono crystalline silicon solar panel, cooperate with solar dedicated lithium ion battery as power supply.

There are two lamps on the battery box, one is main lamp, another is standby. When main lamp fail, standby light turn on automatically.

3/4inch thread hole under base is very suitable for pole mounting.

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, life experience >100,000hours

Physical

- With bird needle to prevent bird drop
- UV & vibrations protected polycarbonate lens for converging light
- Stainless steel 304 base, light fastness, resist snow and rain
- Mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon
- Solar panel angel is adjustable (Vertical 15-90°)

System design

- Solar panel as photocell (Photo diode) for day & night working mode (dusk to dawn mode)
- ON/OFF button make local control easy
- Flashing(20fpm)/steady toggle switch under base
- Main-standby mode

Optional

- GSM cellphone monitoring
- Infrared LED for pilot using NVG(Night Vision Goggles)
- Remote control ON/OFF

APPLICATION

Application

- AH-LS/DE solar low-intensity light is specialized used on the top of the High Chimney, Telecommunication tower, Wind Turbine where there is no cable power supply and those facilities which have high requirements on lightning protection.
- Used alone on the top of obstacle which height is less than 45meter

ANHANG TECHNOLOGY
Tel/Fax: +86-755-89589401
Email: sales@annhung.com
Website: www.annhung.com

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ANNHUNG 安航科技

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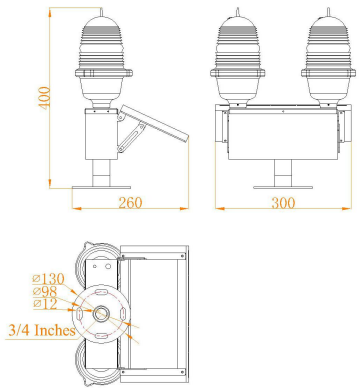
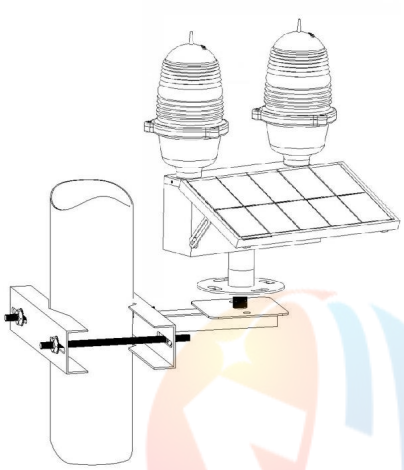
Dimension(mm)



Installation



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

SPECIFICATIONS	AH-LS/DE Low-intensity L810 Double Solar Aviation Obstruction Light
Light Characteristics	
Light Source	LED
Emitting Color	Red
Intensity(cd)	32.5cd
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady/Flashing(20fpm) adjustable
Operation Mode	Main-standby, Dusk-to-Dawn operation
LED Life Experience(hours)	>100,000
Electrical Characteristics	
Operating Voltage	12
Circuit Protection	Integrated
Solar Characteristics	
Solar Module Type	Mono crystalline Silicon
Output(watts)	6
Charging Regulation	Microprocessor controlled
Battery Characteristics	
Battery type	Lithium ion battery
Nominal Voltage (V)	12
Battery Service Life	Average 3 years
Autonomy (hours)	Steady: 80, Flashing: 200
Physical Characteristics	
Lamb Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Installation Size	98×98×θ12 & 3/4inch thread
Overall Size (mm)	260×300×400
Weight(kg)	4
Product Life Expectancy	Average 5 years
Environmental Factors	
Ambient Temperature(℃)	-55~70
Humidity	0~100%
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/E Obstacle Light
FAA	L-810
Optional	
	Wireless remote control External battery charger NVG - compatible infrared (IR) LED

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