

# Solar Powered Intensity.

The Solar Powered Aircraft Warning Lights with LED technology is used on high structures where there is no permanent electrical supply. With a flashing red light during night as per ICAO guidelines..

## Installation:

This type of light is whole-connection. When installation, use the 4pcs of matched screws (M10) to tie the lights to the steel frame. (Make sure screws are tightly tied). Its is necessary to pay attention to direction of the solar panel. When the lights are use in the northern hemisphere. The panel faces to south. when the lights are use in the northern hemisphere, the panel faces to north. Then it can make good use of the solar panel. Meanwhile, around and above of the solar panel installation location must haven't any Obstruction, so as not to effect energy absorption of the solar panel. On the side Lamp base, you can see a red button switch (operation switch). Press the red button down, the light will flash for a short time, after about 5 seconds, the green LED will be on ( it means the lamp has begun work normal). When you need to close the light. Turn the red button back, after about five seconds, the green LED will be on (It means the lamp has begun work normal). When you need to close the light, turn the red button back, after about five seconds, the green Led will be off ( it means the lamp closed.) in order to keep the battery have longer stock time, please make sure the red button switch is off the light is close during storage time. Only when you installed the light then open the red switch.

## Test:

- If the test is taking in the day time, please use the opaque material switch square is more than the solar power panel to cover the solar power panel; if test is taking under the sunshine, it even need to cover the bottom of the solar power battery, make sure no lights can shine to solar power battery, after 10 sec. the lights star flash working; but when the light put into use, pls don't cover it.

## Attention:

To avoid affecting the lamp's regular use and communications, the lamp needs to be installed more than 2 meters from the transmitting antenna and to avoid strong radiation areas when need installed on the television transmission towers, radio towers, cell phone base station which with strong radiation tower. If the transmitting power of the base station is higher the 500W, the lamp must be installed more 3meters rom the antenna. Besides, in order to avoid being stuck by lighting the lamp is prohibited to install on the top or edge of the architecture.

**Compliant to:** ICAO Annex 14

## Technical Specification:

Main Parameter			
Light Source	LED	Emitting Color	Red
Light Intensity	2000cd+25%	Power Consumption	≤10W
Operation Voltage	DC4V	Voltage Frequency	50HZ/60HZ
lifespan	≥100,000hr	Working Mode	Flashing
Light controlled Sensitivity	50-100lux	Flashing frequency	20times/min
Operation Temperature	40°C-55°C	Operating Humidity	≤95%
I Grade	IP65	Net Weight	4.6kg
Battery Full Charging	Expose to sun 30hr		
Solar Panel (25°C standard candles)			
Over Size	266mm		
Power Consumption	11W		
Operating Voltage	4V		
Operating Circuit Voltage	4.72V		
Operating Current	2.75		
Short circuit current	3.03A		
Withstand Level	1000V		
Structure Type	Stainless frame, tempered glass sealed		
Lifespan	10years		

