



# WL S-10 Solar Aviation Warning Light

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## Instruction Manual

Rev: 1.1V

## **Descriptions:**

WL S-10 Solar Aviation Warning Light for Masts & Tower obstacles (Telecommunication, GSM, Radio & TV), tall cranes, chimneys, tall buildings, sport stadiums, Light pylons, high voltage towers and any other potentially hazardous obstructions to air traffic. Flashing red safety light, coupled with the lasted LED technology, high grade silicon solar battery module, maintenance-free NIMH battery, the light will provide over 20 days of continuous operation in continuous rainy and cloudy days.

The housing uses PC and die-casting aluminum base, providing good water tightness. The built-in photocell switches ON&OFF at Dusk and Dawn. The product has the advantage of shockproof and can withstand the harsh effect of the environment (such as thunder, storm, typhoon and hailstone).



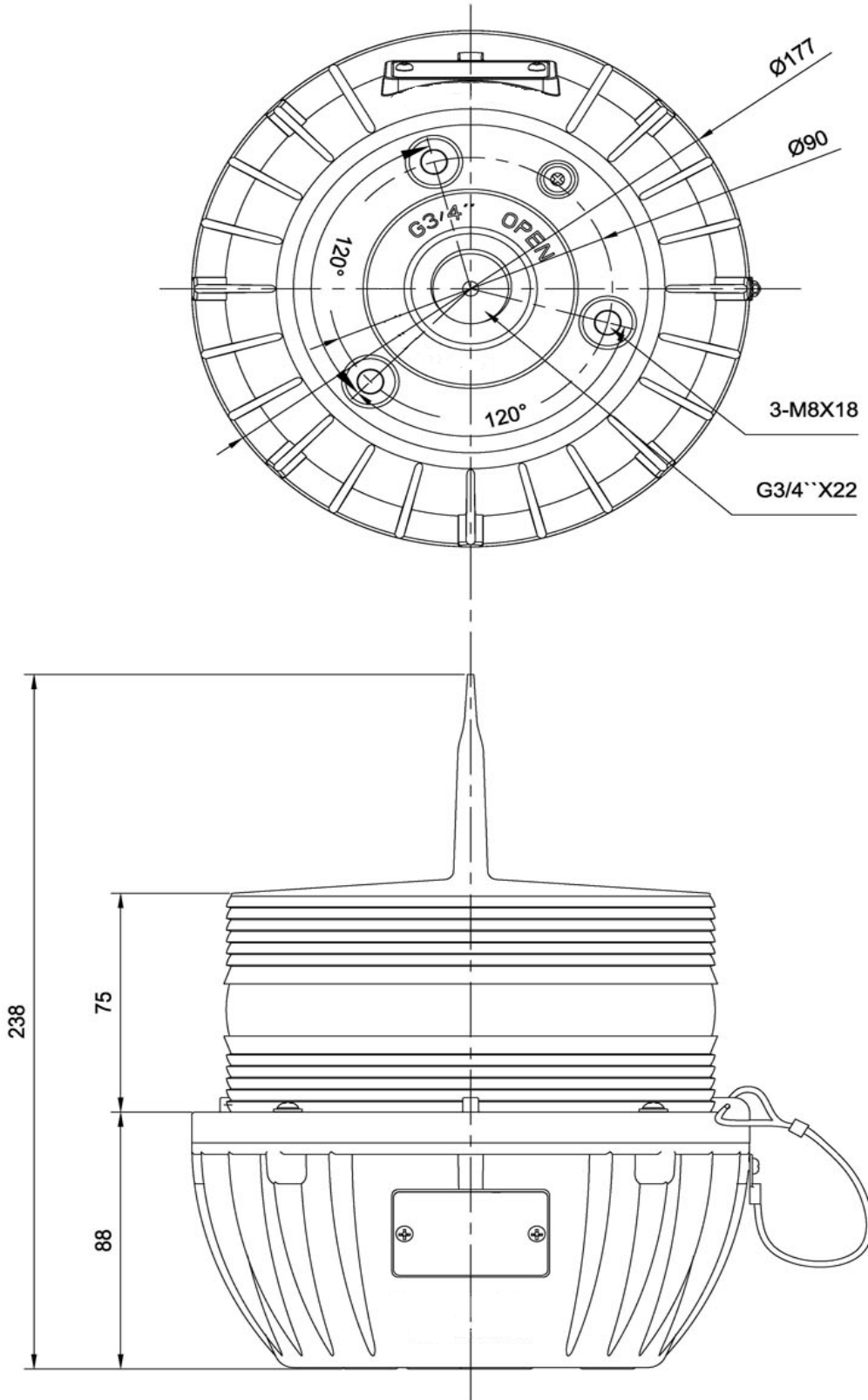
## **Main functions and features**

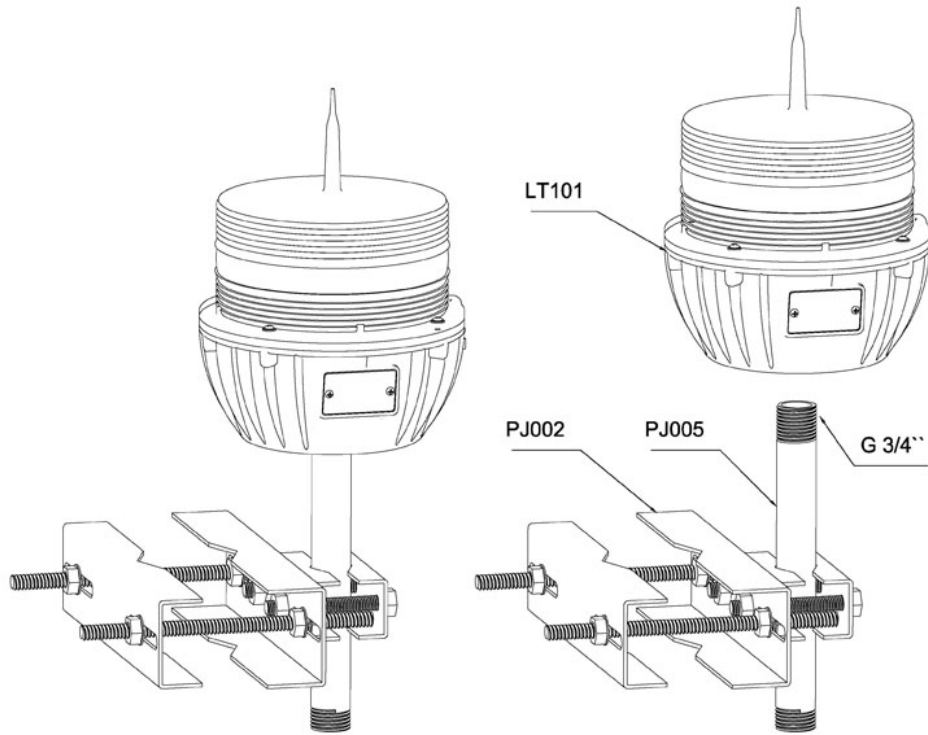
- Based on LED technology
- Aviation red type
- Base material- Die casting aluminum LM6
- Lamp housing – Polycarbonate with UV resistance
- Bird spike
- Built-in photocell
- Steel wire is used to connect base to housing against falling in operation
- Built in NiMH battery, ease for replacement
- No RF-radiations, EMC Compliant
- Shockproof and corrosion resistance
- Extremely Reliable –Major Maintenance Cost saving
- Very low power consumption – Low Energy Cost
- Automatic battery protection if continuous operation for 18hrs in dark

## **Specification**

- LED source : 8 ultra-high intensity LEDs
- Intensity: >10 - 32cd flashing (*\*please specify*)
- Horizontal Divergence : 360°
- Vertical Divergence: 10°
- Visible distance(atmospheric transparency=0.85): >3.6Km
- Lamp life: 100, 000 hrs
- Flash settings: 60time / min
- On/Off level: 70/100Lux
- Autonomy: >200 hrs
- Solar Module Type: Mono –Crystal
- Battery Capacity: 3.6V/10AH (Maintenance -- free) NiMH – Environment friendly
- Battery power consumption: 1.8W
- Ambient temperature: -20°C~80°C
- IP Protection: IP65
- Weight: 2.3Kg

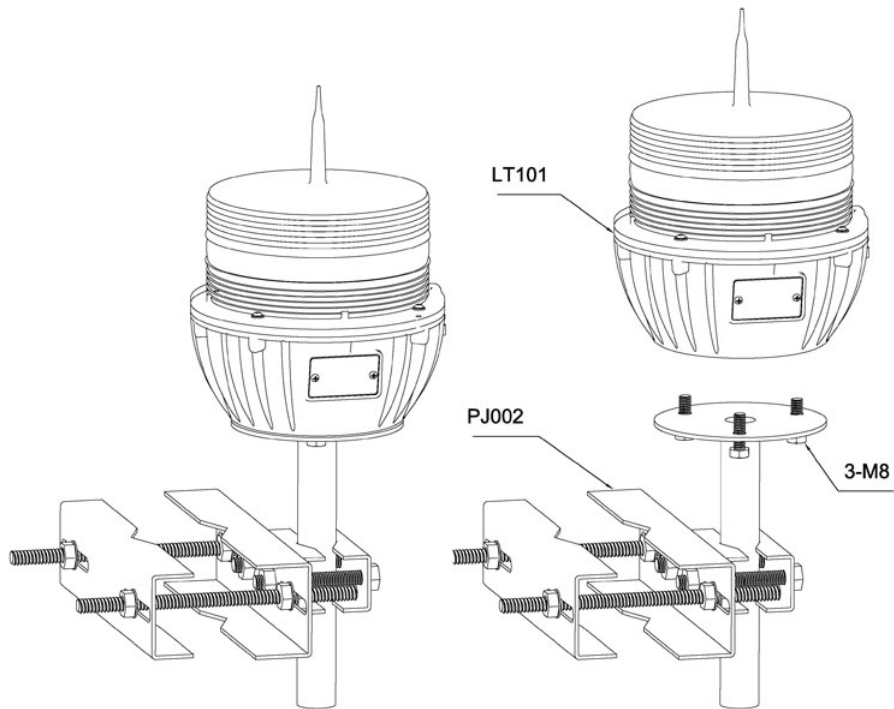
**Installation Drawing**





G 3/4"

Note:G3/4" pipe is available



3-M8

Note:3-M8 screw type is available

## Installation and Operation

- Please read the instruction manual carefully before operation.
- Mount the solar light in the most suitable place such as under direct sunlight, to ensure its continuous operation.
- Screw the lamp on the G 3/4 " threaded pipe, which should be fixed on a smooth surface with enough mechanical strength (see mounting drawing).
- When first operation, if the solar does not light up in dark places, please put the light under direct sunlight for approx. 12 hrs.
- Automatic switch off after continuous operation for 18hrs, to protect the battery over-discharge during transportation.
- Please keep the light in a very dry and low temperature place, such as places with low humidity if you do not use the light for a long period. Put the light under direct sunlight for three days every 40 days, to ensure the battery capacity.
- Built in NiMH battery, after being used 450 times (15 months), the battery capacity is approx. 80% of previous capacities, at this moment, please replace the battery in time.

## Notice

- Because Delta has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

**Note: Please use this product strictly in accordance with the instruction above.**

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