



### Description:

DLT32S Series is solar powered obstruction light. Solar function makes it a self-contained and almost car-free light unit.

The light system is composed of 3 parts: light, battery box and solar panel. When the light and solar panel connected to the battery box, the whole system can be mounted on a tower. Both vertical mounting and horizontal mounting are available.

DLT32S is equipped with a 12Ah VRLA (valve regulated lead acid) rechargeable battery which could power the light up to 16 days when the weather is cloudy and rainy. The 12Ah VRLA battery is also easy to find almost anywhere.

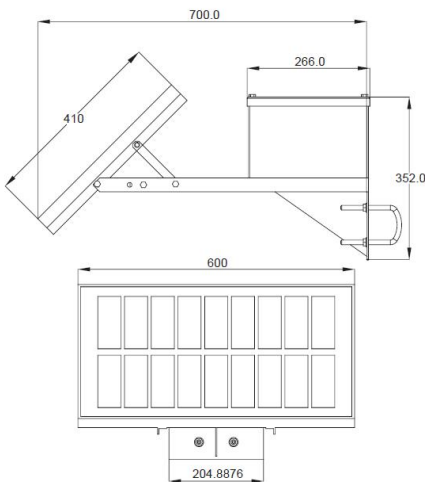
Both single light & double light are available in this series.

### Features& Benefits:

- High quality optics for excellent beam spread control
- Ultra-light LEDs, energy saving
- Self-contained without outside power supply
- Maximum visibility distance 7.6 KM
- Once fully charged, it can work for up to 16 days
- All hardware of obstruction lights are made of corrosion resistant metals.
- Bird spikes for protection against droppings.
- Use of quality components and sophisticated technology reduce chances of maintenance and replacement.
- LED light source ensures long lifetime, maintenance free
- Shock and vibration resistant
- Corrosion resistant and UV stable polycarbonate housing
- Ease of mount, mount accessories available

### Applications:

- High rise building marking
- Road obstruction marking
- Port, dock entrance&walkway
- Offshore gas&oil platform
- Telecom tower marking
- Wind turbine
- Bridge cranes



**Compliance with:**

- ICAO Annex 14, Volume I, Obstruction Light Low Intensity Type B and Type E
- FAA AC No. 150/5345-43, L-810
- DGAC Mexico



**Specifications:**

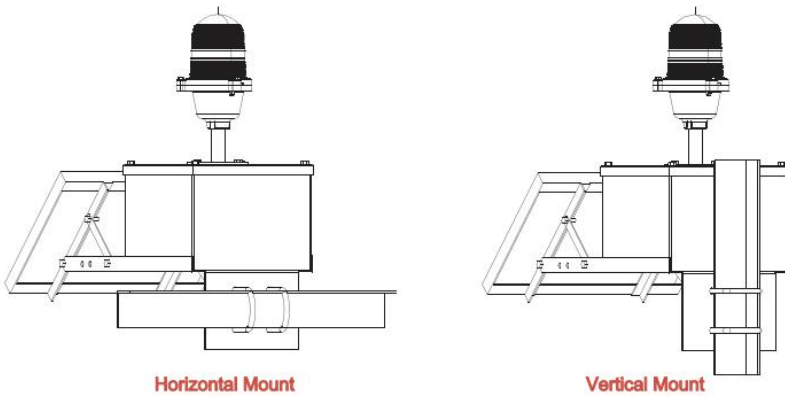
<b>LIGHT OUT-PUT</b>	
SPECIFICATIONS	>32.5 Candela
Nominal Night Range	>7.6 KM
LED Color Available	Red, white, green, blue or yellow
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
Illumination	Ultra-bright LEDs
LED Lifespan	100,000 Hours
<b>OPERATION</b>	
Autonomy	16 days(flashing type) or 8 days(steady burning)
On & Off Level	70/100 Lux
Flash Pattern	Flashing or steady burning
<b>POWER SUPPLY</b>	
Power Source	18W Solar module, mono-crystalline silicon
Solar Efficiency	13.5%
Battery Capacity	VRLA, 12V/12Ah
Battery Replacement	Yes, replaceable
<b>MECHANICAL STRUCTURE</b>	
Lens	Polycarbonate, UV Stabilize
Body	Polycarbonate or Die-casting Aluminum
Water-proof	IP65
Weight	8 kg
Dimension(cm)	42x42x30
Temperature Range	-40 ~ +55°C
Warranty	5 years for light 2 years for VRLA battery

**Installation**

Year-round, unrestricted solar exposure is critical to long-term performance.

Shade dramatically reduces the ability of the light to charge its battery.

To install the lantern: Fix in place with 4x bolts, studs & nuts, nails or screws. Recommended bolt size is M8.

**Installation Drawing:****Operation&Storage**

In daylight, the solar panel charges the battery using the Energy Management System (EMS). The capacity of the battery ensures that even with poor levels of sunlight over an extended period, the lantern has enough reserve power to continue to perform reliably. Stored battery energy then powers the LED during the night.

Turn the lantern off to store. Check the battery state of charge every 6 months and charge if required. High-grade LiFePO4 batteries shipped with the Solar Navigation Light can be stored without any charging for up to 1year with no battery damage.

**Test**

Tap the self-locking switch the lamp will turn on, press it again will turn off if you check the lamp.

Remember to cover solar panels during the day GPS luminaries need to be kept in an open area and flashes in sync after 5-10 minutes.

**Maintenance**

Although the Solar Navigation Light is maintenance-free, performance gains can be made. Clean with water and a soft sponge or cloth. A mild non-abrasive cleanser can be used for more stubborn residue. Clean more frequently during drier months as dust accumulates more quickly. Check the exterior for cracks, missing or broken hardware.

**Recycling**

This product may contain substances that could be harmful to the environment or human health if improperly handled at the product' s end of life. Check your local municipality for electronics recycles. The batteries are rechargeable Lithium batteries. Consult your local laws for information on recycling.