



Description:

DLT10 Series is solar powered obstruction light. Solar function make 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.

DLT10 is equipped with a 12Ah VRLA(valve regulated lead acid) rechargeable battery which could power the light up to 7 days when the weather is cloudy&rainy. The 12Ah VRLA battery is also easy to find almost anywhere.

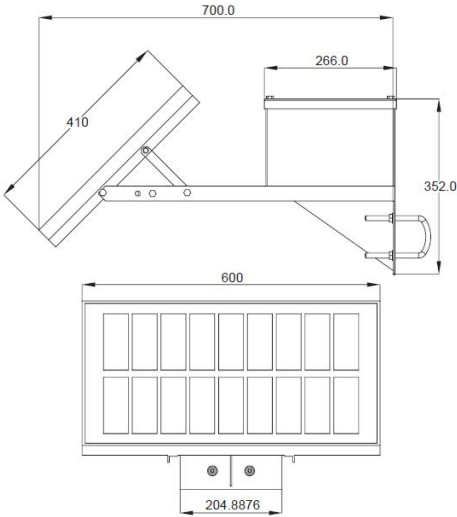
Features& Benefits:

- High quality optics for excellent beam spread control
- Ultra-light LEDs, energy saving
- Self-contained without outside power supply
- Maximum visibility distance 3.6 KM
- Once fully charged, it can work for up to 7 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.
- Low power consumption, which leads to huge savings on electricity bills.
- 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
- With GPS function, can work with other lights synchronously(optional).
- Corrosion resistant lamp& housing-suitable for off-shore use.

Applications:

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

Mounting dimension(mm)



Specifications:

LIGHT OUT-PUT	
SPECIFICATIONS	> 10 Candela
Nominal Night Range	> 3.6 KM
LED Color Available	Red, green, white, blue or amber
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
Illumination	Ultra-bright LEDs
LED Lifespan	100,000 Hours
OPERATION	
Autonomy	7 days
On & Off Level	70/100 Lux
Flash Pattern	Flashing
POWER SUPPLY	
Power Source	Solar module, mono-crystalline silicon
Solar Efficiency	13.5%
Battery Capacity	VRLA, 10V/12Ah
Battery Replacement	Yes, replaceable
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Die-casting Aluminum
Water-proof	IP65
Weight	13 kg
Temperature Range	-40 ~ +55
Warranty	5 years for light 2 years for VRLA battery

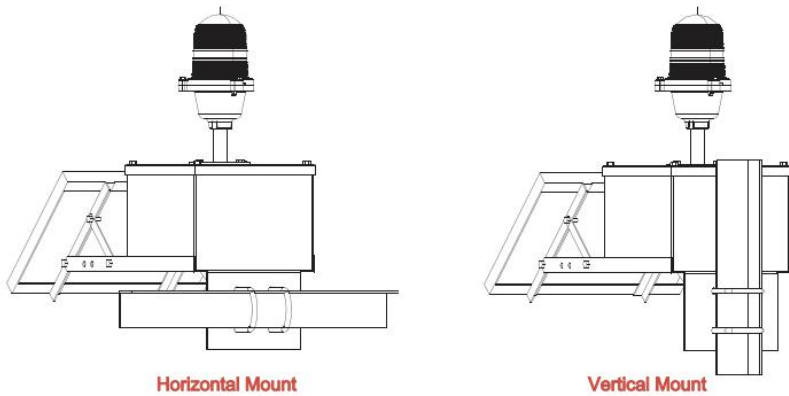
Installation

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.