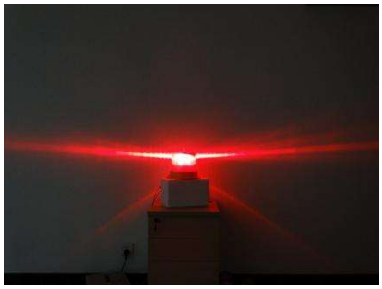
TY32S Solar Powered Low Intensity Obstruction Light



Description:

The solar panel comes with TY32S provides power supply to the light, which makes TY32S a self-contained and care-free light unit. Also, with the solar function, the light is easy to deploy to almost any condition and any emergency case. Robust body built and surface coating provides good protection against hash environments. TY32S is equipped with an 8Ah NiMH rechargeable battery which could power the light up to 10 days when the weather is cloudy & rainy. NiMH battery is also a clean power source with no pollution. The NiMH battery is also easy to find almost anywhere. TY32S is also available with an optional on/off switch for storing and protect battery from over-discharging.

Features& Benefits:

- High quality optics for excellent beam spread control
- Ultra-light LEDs, energy saving
- Self-contained without outside power supply
- Maximum visibility distance 7.6KM
- Once fully charged, it can work for up to 100hrs
- Auto-off after being packed for 18 hours
- All hardware of obstruction lights are made of corrosion resistant metals.
- 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
- No wiring job, nice & easy installation

.

Applications:

- High rise building marking
- Telecom tower marking
- Road obstruction marking
- Navigation aid
- Port, dock entrance walkway
- Buoy marking
- Offshore gas&oil platform

Shanghai Lansing Electronics Co., Ltd Tel: +86 021-69172728 Fax: +86 021--69172728 ext 801 Web: www.lansinglight.com E-mail: sales@lansinglight.com Add: Building 6, No. 1028 Xinmiaosan Rd, Songjiang district Shanghai 201612

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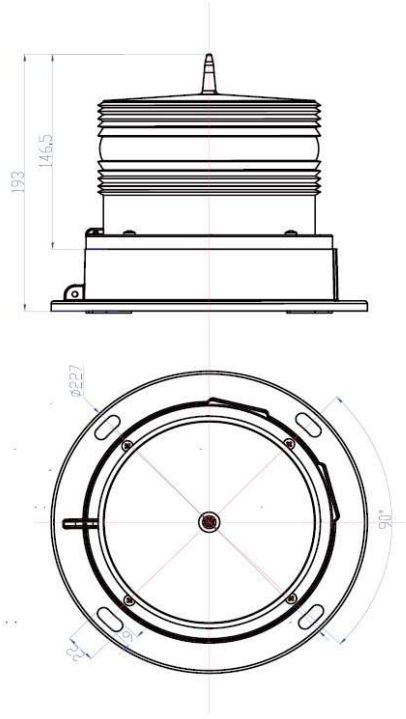
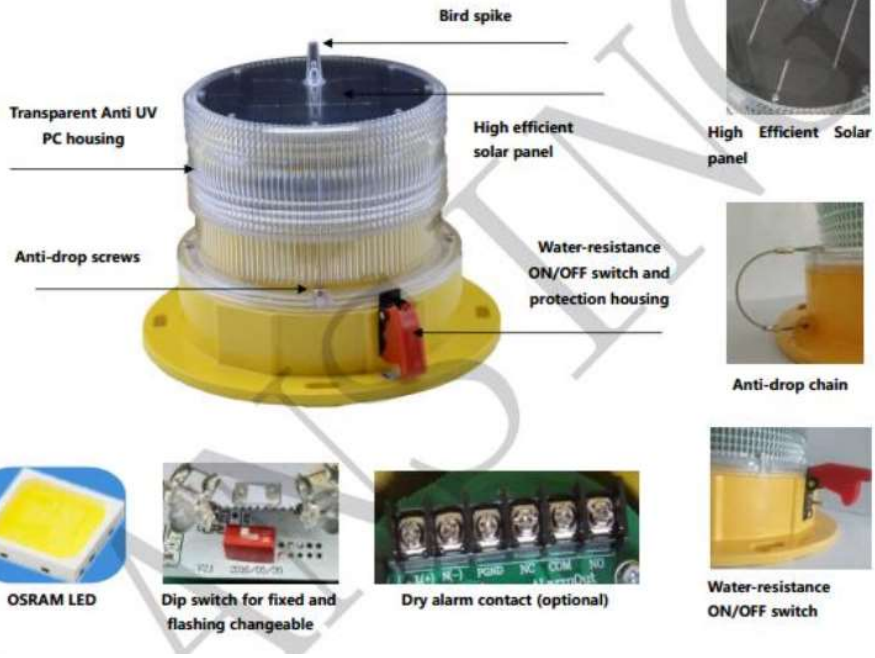


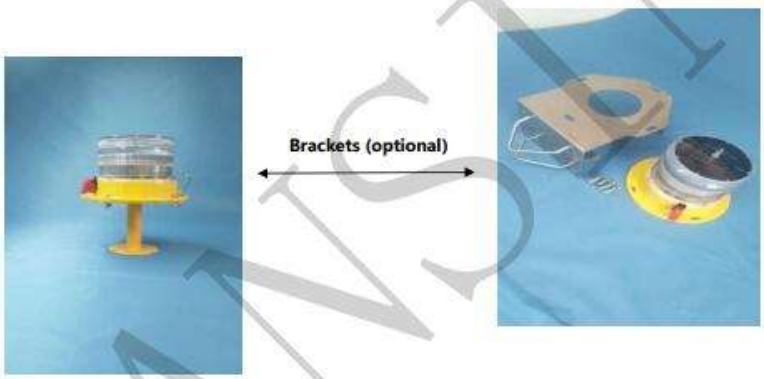
Installation dimension（mm）

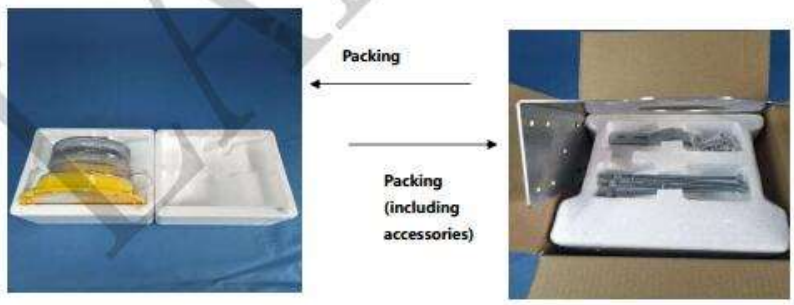
Specifications:

LIGHT OUT-PUT	
Intensity(cd)	Steady-on: Blue-10 Red-12.1 Green-16.9 White-14.2 Yellow-11.6 Flashing: Blue-29 Red-32.5 Green-34 White-35.1 Yellow-31.1
Nominal Night Range	>7.6 KM
LED Color Available	Red, green, blue, white, yellow
Vertical Divergence	10 Degree
Horizontal Out-put	360 Degree
Illumination	Ultra-bright LEDs
LED Lifespan	100,000 Hours
OPERATION	
Autonomy	100 Hours
On & Off Level	70/100 Lux
Flash Pattern	20-60FPM（optional）or steady burning
POWER SUPPLY	
Power Source	Solar module, mono-crystalline silicon
Solar Efficiency	13.5%
Max. Power Out-put	4.8 Watts
Battery Type	High-efficiency NiMH rechargeable battery
Battery Capacity	8 AH
Battery Replacement	Yes, replaceable
MECHANICAL STRUCTURE	
Lens	Polycarbonate, UV Stabilize
Body	Polycarbonate or Die-casting Aluminum
Water-proof	IP67
Weight	1.65 kg (Polycarbonate) or 2.5kg (Die-casting Aluminum)
Temperature Range	-40 ~ +55
Dimensions	215.5mm H, 226mm Diameter
Warranty	5 years for light 2 years for NiMH battery

Advantages:







TY32A

TY32A is updated with a flash frequency adjustable switch, which can set 40, 50, 60, 70 and 90 FPM (Flash per minute). Additionally, a Dry Contact Relay is built in the light to report light failure to central monitoring devices, in case of working with junction box or control box. Alarm report conditions:

- Lamp low current(when lamp current falls＜50%)
- Solar panel failure
- Battery fail

TY32W

TY32W is further updated from TY32DA, which can realize both Flashing Frequency Adjusting &Alarm

Reporting functions, through built in 2.4G wireless module.

In case of working with our wireless control box, TY32W can report failure status to central monitoring in the BTS. Distance between TY10W& receiver should be <100meters

Alarm report conditions:

- Lamp low current(when lamp current falls＜50%)
- Solar panel failure
- Battery fail

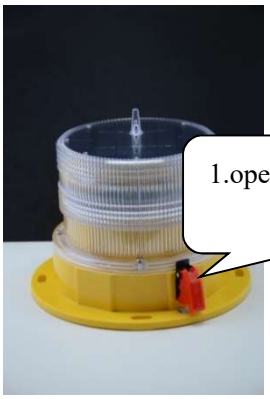
Ordering Code

	TY32S	TY32A	TY32W
Basic functions	✓	✓	✓
Flashing frequency adjustable		✓	✓
Synchronization		✓	✓
Light failure alarm report		✓	✓
Wireless			✓

Note: Synchronization & alarm report functions need junction box or control box to be in the system

BATTERY CHARGING IF NECESSARY:

FIRST WAY: Put the light under sunlight



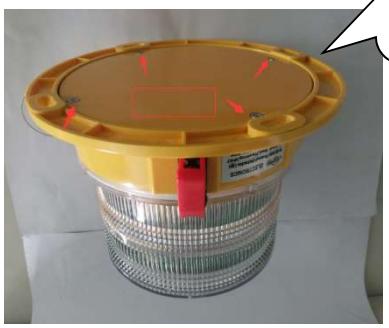
1.open the cover

2. Put the dip switch to “ON” position

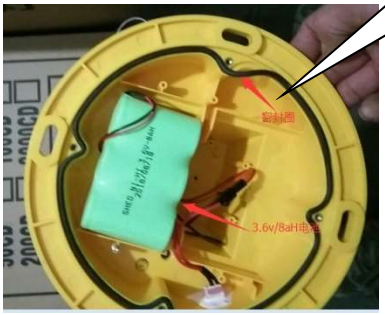
3. Close the cover, and put the light under sunlight

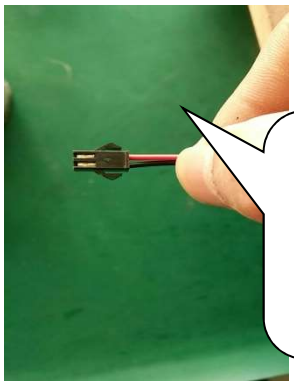
SECOND WAY:Use a Charger(around 4.2v-5v) such as switching power supply etc

1.Open the back cover (take care of the seal ring)



2.Take off the battery





3.Find a suitable charger（4.2v-5V）and connect with the battery(note +/-), and charge the battery for 2-3 hrs

4.After finishing the charging, assemble the light. Note the seal ring to waterproof.

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