

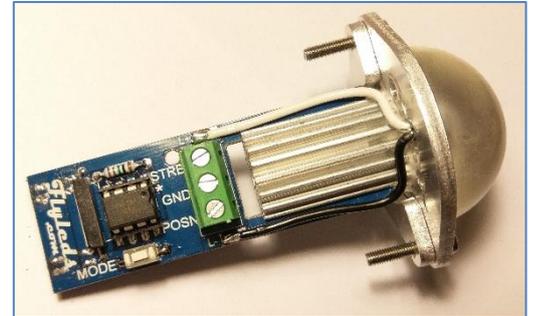
## Item 15045: Tail Strobe

Thank you for purchasing a **Flyleds** combined Tail Strobe/Position light.

- This light is suitable for Experimental category aircraft only.
- This light is suitable for 14 volt systems only. Correct wiring polarity *must* be observed.
- Do not observe the Tail Strobe at close proximity when it is operating. It will hurt!

### Specifications

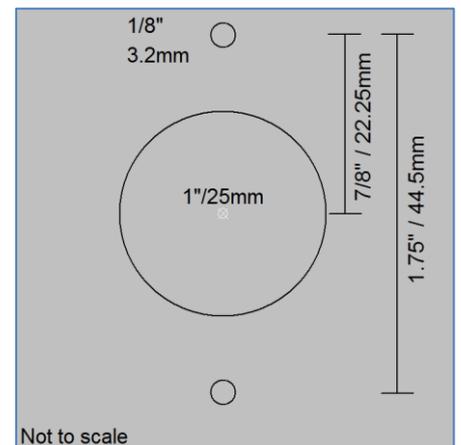
- Cree XHP70 or XML2 LED(s), operating at ~90% of rated power.
- *Exceeds* the minimum light requirements of FAR23.1401
- 120 degree coverage angle, meets "Aviation White" spec.
- ~0.4A in Position mode, ~1.9A when strobing
- Protect the circuit with a 2 or 3 amp fuse or circuit breaker.



### Mounting

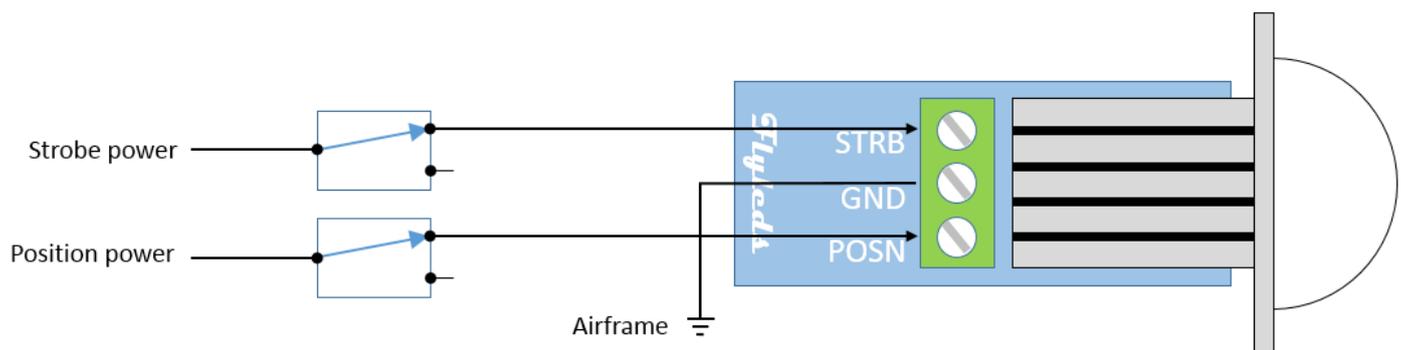
The Flyleds Tail Strobe is supplied with a laser cut mounting plate, and two metric M3 stainless steel screws. This provides a convenient and sturdy method of mounting your tail light to the fiberglass on the tail of your plane.

Drill the mounting screw holes and a 1 inch clearance hole in the appropriate rear-most position on your plane. The saddle clamp may then be permanently fixed into position behind the fibreglass using a suitable adhesive.



### Electrical Connection

Connect the unit to the Strobe and Position panel switches or power circuits, observing the notations marked on the circuit board.



The strobe has been installed in our RV-10 with a run of unshielded 18G cable, bunched in with the existing wiring loom from the panel all the way back to the tail. No noise was heard in our intercom or radio. We've also had no noise complaints from other customers using the same wiring, but feel free to use shielded cable if you desire!

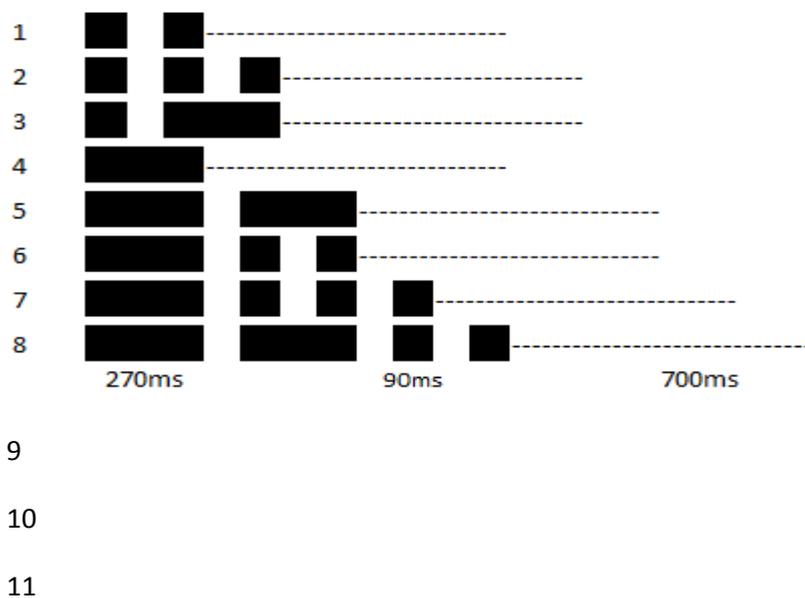
Grounding can be performed at the tail end of the fuselage. There is no need to bring the ground connection back to a common point at the firewall.

## Strobe Pattern setting

The unit comes pre-programmed with eight default strobe patterns. These are illustrated below. Your custom Morse code strobe patterns are also listed below. The factory default setting is Pattern 1.

- While the strobe is operating, press the MODE button for 1 second. The strobe will pause while you hold the button down.
- The strobe increments to the next pattern number, and will loop back to Pattern 1.
- There is also a magnetically activated reed switch that activates the MODE setting. When the strobe is installed in your plane, you can change the strobe pattern by holding a magnet near to where the switch is located. You will observe that the strobe stops. Move the magnet away, and it will select the next pattern and begin flashing that pattern. Easy!

The chosen flash pattern is stored in EEPROM memory, and will remain set indefinitely.



## Maintenance

The dome of the strobe is solid cast epoxy resin, and will easily stand up to most knocks and bumps.

If you feel the need, the strobe can be polished and/or waxed using automotive products and a soft cloth.

In normal use the strobe will get warm to touch. This is normal, and it is rated accordingly.

Each and every Strobe Light from *FlyLEDs* is **handmade**, from the circuit board to the resin casting. There may be some scratches on the metalwork, trapped air bubbles in the resin, or some minor imperfections in the resin casting. We call this individuality, not a defect!

Every unit is tested for 24 hours of continuous operation before it leaves our hands.

Full product support, should you need it, is available at [info@flyleds.com](mailto:info@flyleds.com)

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