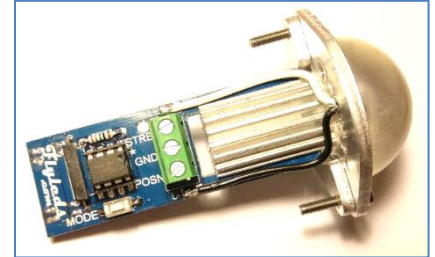


Item 15045: Tail Strobe

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 12 volt systems only.
- Do not observe the Tail Strobe at close proximity when it is operating. It will hurt!

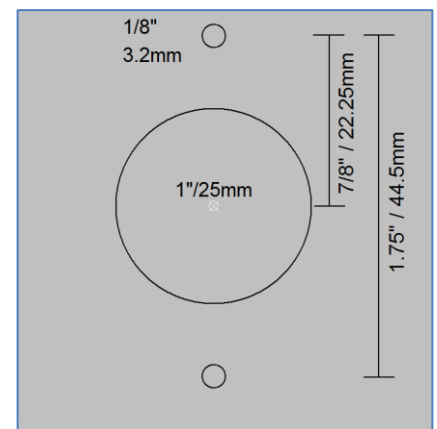


Specifications

- 3x Cree LEDs, operated at ~95% 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 2.5 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 bonded into position behind the fibreglass using a suitable adhesive. Due to the inconsistencies of the fibreglassing work on the inside of the fairing, some customers have cut the clamp into two smaller pieces and bonded each piece in the appropriate place.

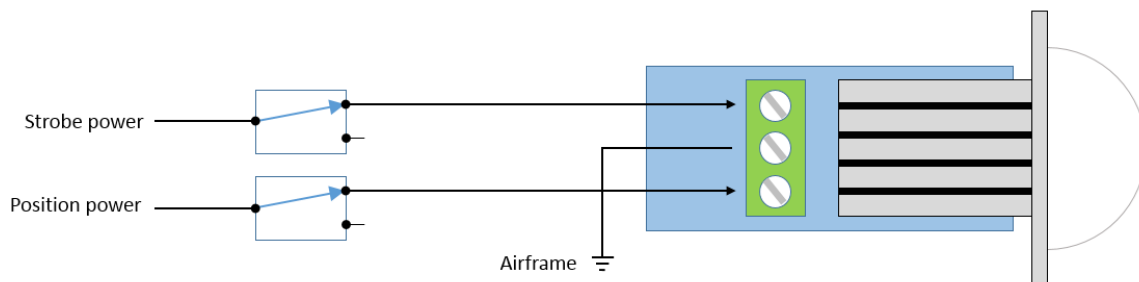
Yes, this is a fiddly job, but we figured that having metal threads in there was better than nothing!

Wiring

The Tail Strobe needs one or two runs of standard 18 to 22AWG wire for power. You may link the Strobe and Position inputs together for use with a single power circuit.

Connect the light to the appropriate Strobe and Position switches on your panel.

The tail light can be grounded locally at the tail.

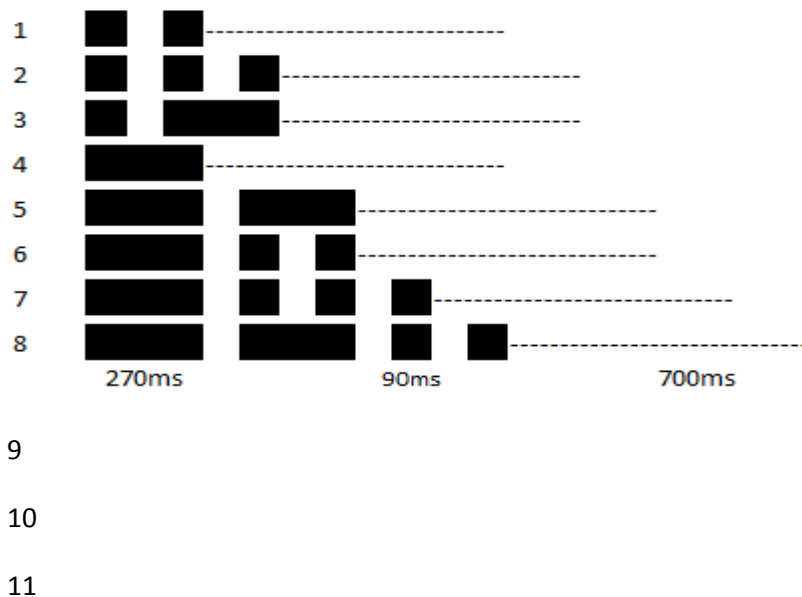


Strobe Pattern setting

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

- While the strobe is operating, press the SET button for 1 second. The strobe will pause while you hold the button down.
- The strobe will blink 1 to 11 times, indicating the pattern number, and then start flashing.
- Pressing the button again selects the next pattern number, and will loop back to Pattern 1.
- There is also a **magnetically activated** reed switch that does the same thing. When the strobe is installed in your plane, you can change the strobe pattern by holding a magnet near to where the circuit board 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.



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!

Full product support, should you need it, is available at info@flyleds.com

12/276 Domain Road South Yarra VIC 3141 Australia