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**Installation Guide:
Pulsar Lights
P/N 01-1100
LED Navigation and
Anti-Collision Light**



Exceeds 100 candela for position lights and 400 effective candela for strobe lights

Operating Instructions:

Operational Voltage: 14 & 28 Volt Systems
Position Input Current: 0.4A at 14V, 0.2A at 28V
Strobe Average Current: 0.8A at 14V, 0.4A at 28V
Strobe Peak Current: 2.25A at 14V for 0.33 seconds

CONTINUED AIRWORTHINESS:

The Pulsar LED navigation and anticollision light assembly is designed with 4 forward navigation LEDs, 2 rear position LEDs, and 18 LEDs mounted beneath the anti-collision lens. Should any one LED fail, the unit must be repaired or replaced. View LEDs with welding goggles for eye safety.

INSTALLATION PROCEDURES:

1. The installation procedure described in the following text is for a single light installation, but the procedure is identical for multiple light installations.
2. Print out the installation template (the page 3 of this document), however be sure to set up the printer driver to NOT use Page Scaling so the printer will replicate the template to the proper 1:1 scale, otherwise the template will be too small. The proper scaling can be verified by placing the included 'Y' Mounting Bracket over the printout to ensure a 1:1 fit.

3. By design, the 'Y' Mounting Bracket locks into the Pulsar product body.
4. Print the template as described above and confirm a 1:1 scaling of the printout.
5. Attach the template to the wingtip (mounting) position and mark the screw and wire hole locations.
6. Mount the bracket using three 6-32 100 degree countersunk screws. **Ensure that the mounting bracket is grounded to structure via the mounting screws.** If necessary, route a ground strap from one mounting screw to structure ground or terminate the ground shield from the shielded wire bundle to a mounting screw. Proper chassis ground is required for minimum RFI and for protection from direct lighting effects.
7. Connect the red wire to switched power for the position lights, connect the yellow wire to switched power for the strobe lights, connect the black wire to the same chassis ground as the mounting screw, and connect the green wire to the synchronization wire from the other installed light(s). It is recommended that the attached wiring diagram be followed for minimum RFI.
8. Attach the light to the mounting bracket and anchor in place with the 8-32 hex head set screw (provided) that inserts into the rear of the light.
9. Check all avionics systems for interference from this installation.
10. A flight check should be performed by a properly certified pilot.



