

Manufactured under TSO by:
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Installation Guide:
AeroLEDs Linear Suntain
P/N 01-1260-()

The -() indicates the system voltage, with -12 being the 12VDC and -24 being 24VDC electrical systems.

**LED Position and
Anti-Collision Light**

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Operating Instructions:

Operational Voltage: 14 & 28 Volt Systems
Position Input Current: 0.4A at 14V, 0.2A at 28V
Strobe Average Current: 0.4A at 14V, 0.2A at 28V
Strobe Peak Current: 3.3A at 14V for 0.19 seconds

CONTINUED AIRWORTHINESS:

The Suntain LED rear position and anticollision light assembly is designed with 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. Note: only 6 LEDs are used for the position light mode, and 12 are used for the strobe.

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. Mount the light to the tail mounting location using two 4-40 100 degree countersunk screws. **Ensure that the body of the light 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 protection from direct lightning effects. **Ensure that the mounting hole with the small vent hole is on the bottom.**
3. Connect the red 20 gauge wire to switched power for the position lights, connect the yellow 20 gauge wire to switched power for the strobe lights, connect the black 20 gauge wire to same structure ground used for the mounting screw, and connect the green 22 gauge wire to the synchronization wire from the other installed light(s). **WARNING: Do not connect the strobe power wire to a Xenon strobe power pack. This can damage the light and voids the warranty.**
4. Check all avionics systems for interference from this installation.
5. A flight check should be performed by a properly certified pilot.

