



WHELEN AEROSPACE TECHNOLOGIES

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Installation Guide/ICA:  
Model 7198517  
P/N:01-0771985-17

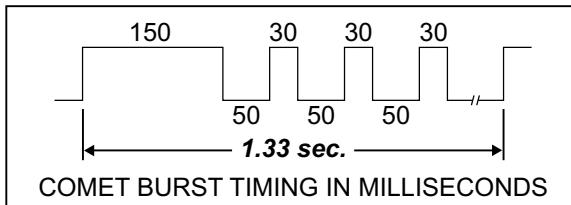
## LED Anti-Collision Flasher Assembly

TSO-C96a  
CLASS III;  
APPROVED

*The conditions and tests required for TSO approval of this article are minimum performance standards. Those installing this article either on or within a specific type or class of aircraft must determine that the aircraft installation conditions are within the TSO standards which include any accepted integrated non-TSO functions. TSO articles and any accepted integrated non-TSO function(s) must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirements.*

### OPERATING INSTRUCTIONS:

**Operational Voltage:** ..... 28 VDC  
(Operation from 21-32 VDC)  
**Average Input Current:** ..... 0.3 Amps  
**Pulse :** ..... 1.7 Amps  
**Flashrate:** ..... 45± 5 Comet Bursts per minute  
**Weight:** ..... 0.48 lbs. (ref.)



**EQUIPMENT LIMITATIONS:** An approved Anti-Collision lighting system consists of two flasher assemblies, one located on each wingtip. A separate anti-collision light assembly such as model 7198700 is required for each flasher assembly.

Certain types of installations may require additional testing.

**AIRWORTHINESS LIMITATIONS:** The Airworthiness Limitations section is FAA approved and specifies inspections and other maintenance required under §43.16 and §91.403 of the Federal Aviation Regulations, unless an alternative program has been approved.

No airworthiness limitations are associated with the installation of the LED anti-collision light.

**CONTINUED AIRWORTHINESS:** If any bank of LEDs fail, the light assembly should be checked. If the assembly checks good, replace the flasher.

**Note:** To reduce eye strain use an optical filter such as dark glasses or a blue covering dome during LED inspection.

**INSTALLATION PROCEDURES:** The following information provides guidelines for the installation of the WAT flasher assembly. Please refer to the OEM manual for your aircraft for specific removal and installation instructions.

1. Using the mounting detail information provided, prepare the aircraft for means to secure the light assembly.
  2. Using the appropriate hardware install the flasher to the aircraft.
  3. Connect the inputs according to the chart shown. Connect the power lead to an appropriately sized breaker. Connections to be in accordance with FAA approved methods. Insure that all leads are clear of any obstructions and secured as required.
- Caution: Do not connect the flasher assembly to a Xenon discharge-style strobe light.**
4. Place the light switches in the ON position and verify proper operation of the Whelen lights.
  5. Check all avionics systems for interference from this installation.
  6. A flight check should be performed by a properly certified pilot.
  7. If required, update aircraft records utilizing FAA Field Approval (Form 337) or equivalent.

