



WHELEN AEROSPACE TECHNOLOGIES

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Installation Guide/ICA:
Model(s) 7118400, 7118401
P/N(s) 01-0771184-00
01-0771184-01

LED Anti-Collision Light Assembly

TSO-C96a
CLASS II;
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.

SPECIFICATIONS:

Total Weight..... 65 lbs.

EQUIPMENT LIMITATIONS: An approved forward anti-collision system consists of at least 2 lighthouse units, each connected to a model 7114800 Flasher.

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 anti-collision light.

CONTINUED AIRWORTHINESS: The wingtip anti-collision light is designed with 24 LEDs. If any one fails, the unit must be repaired or replaced.

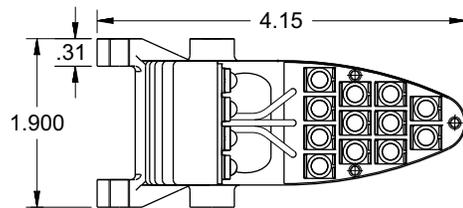
Note: To reduce eye strain use an optical filter such as dark glasses or a blue covering dome during LED inspection.

Note: The anti-collision lights will automatically shut-off after 9-10 flashes if a failure is detected, when used with model 7114800.

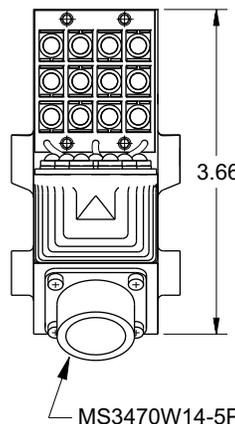
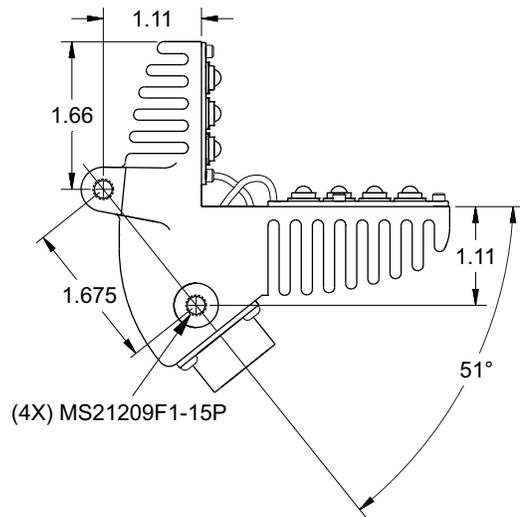
PERIODIC INSPECTIONS: An annual inspection shall be performed unless the OEM specifies a shorter interval.

INSTALLATION PROCEDURES: The following information is to assist you in installing a WAT anti-collision light system. **CAUTION!** Do not touch the LEDs with either fingers or sharp objects, as this could soil or damage the LEDs and effect the optical performance of the light.

1. The installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installations.
2. Connect the anti-collision inputs according to the chart shown. Connections to be in accordance with FAA approved methods.
3. Using appropriate, approved hardware, install light assembly and insure that all leads are clear of any obstructions and ty-rop as required. Secure light assembly, using vibration resistant threaded fasteners.
4. Check all avionics systems for interference from this installation.
5. A flight check should be performed by a properly certified pilot.
6. If required, update aircraft records utilizing FAA Field Approval (Form 337) or equivalent.



7118400 Shown



J1 SIGNAL	CONTACT
ANODE	A
CATHODE 1	B
CATHODE 2	C
CATHODE 3	D
CATHODE 4	E

Aviation