



WHELEN AEROSPACE TECHNOLOGIES

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**Installation Guide/ICA:
 Aviation model 7123403, 7123406
 P/N 01-0771234-03, 01-0771234-06
 Flasher/Current Source**

TSO-C30c
 TYPES I, II & III
 APPROVED

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:

- Nominal Operational Voltage:..... 28 VDC
- Current Source Input Current:
- LED Forward Position Light..... 0.25 Amps
- LED Anti-Collision Light (Pulse@.25 Sec.)..... 2.8 Amps
- LED Anti-Collision Light (Avg.)..... 0.53 Amps
- LED Ground Recognition Light (Pulse@.25 Sec.) . 0.7 Amps
- LED Ground Recognition Light (Avg.)..... 0.13 Amps
- Anti-Collision/Ground Recognition Flashrate..... 45 ±5 Per. Min.

EQUIPMENT LIMITATIONS: An approved Anti-Collision / Position Light System consists of at least 2 flasher/current source units, each connected to a LED anti-collision and position light lighthouse.

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 flasher/current source.

CONTINUED AIRWORTHINESS: If any bank of LEDs fail, both the lighthouse module 71170() and the flasher should be replaced.

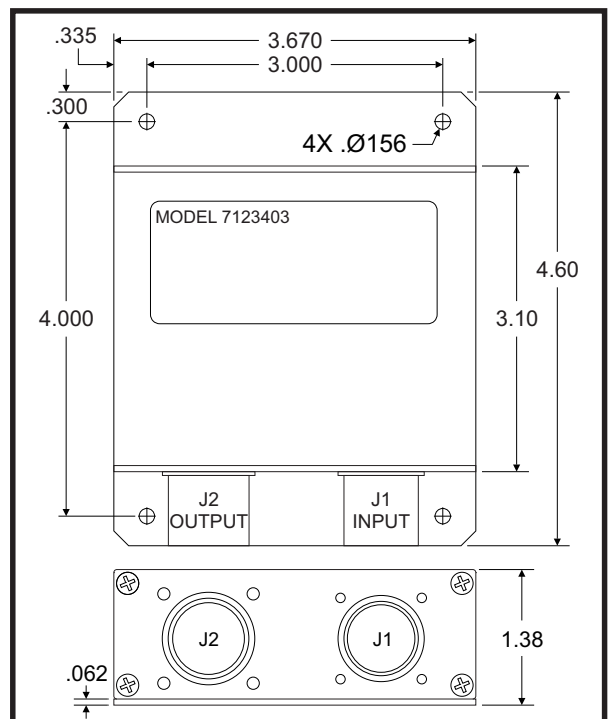
Note: To reduce eye strain, use an optical filter such as dark glasses or a blue covering dome during LED inspection.

Note: An anti-collision light will automatically shut-off after 9-10 flashes if a failure is detected.

INSTALLATION PROCEDURES:

1. Consider areas or locations designated by the aircraft manufacturer. Check that breakers are properly rated.
2. Attach the flasher using the (4) 0.156 dia. mounting holes.
3. Connect the inputs according to the chart shown. Connections to be in accordance with FAA approved methods.
4. Check all avionic systems for interference from the installation
5. A flight check should be performed by a certified pilot
6. If required, update aircraft records utilizing FAA Field Approval (Form 337) or equivalent.

Note: SYNC is a low-powered, bi-directional control signal. Connecting to the synchronize signal of any WAT LED anti-collision assembly will cause the lights to flash at the same time. If synchronization is not necessary, the connection may be left open.



Model:7123403

J1 D38999 / 20FB5PN	
A	+28V Anti-Collision Light
B	Ground
C	SYNC
D	+28V Position Light
E	+28V Ground Recognition Light

Model:7123406

J1 MS27508E10F5P	
A	+28V Anti-Collision Light
B	Ground
C	SYNC (see note)
D	+28V Position Light
E	N/C

J2 D83999 / 20FC98SN

A	LED1	Anti-Collision Light
B	V+	Anti-Collision Light
C	LED2	Anti-Collision Light
D	LED3	Anti-Collision Light
E	V+	Anti-Collision Light
F	LED4	Anti-Collision Light
G	Anode	Forward Position Light
H	Cathode	Forward Position Light
J	Cathode	Ground Recognition Light
K	Anode	Ground Recognition Light

J2 MS27508E10F99S

A	LED1	Anti-Collision Light
B	V+	Anti-Collision Light
C	LED2	Anti-Collision Light
D	LED3	Anti-Collision Light
E	LED4	Anti-Collision Light
F	Anode	Forward Position Light
G	Cathode	Forward Position Light

Aviation