

WHELEN[®]

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Installation Guide: Model 70963()-series

Models 7096301, 7096302, 7096303,
7096304, 7096305, 7096306, 7096307
P/N: 01-0770963-01, 01-0770963-02
01-0770963-03, 01-0770963-04
01-0770963-05, 01-0770963-06
01-0770963-07

LED Forward Position Light Assembly



TSO-C30c
TYPES I & II
APPROVED



The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in aircraft. The article may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements.

OPERATING INSTRUCTIONS:

Operational Voltage: 22-30 VDC (28 VDC nom)

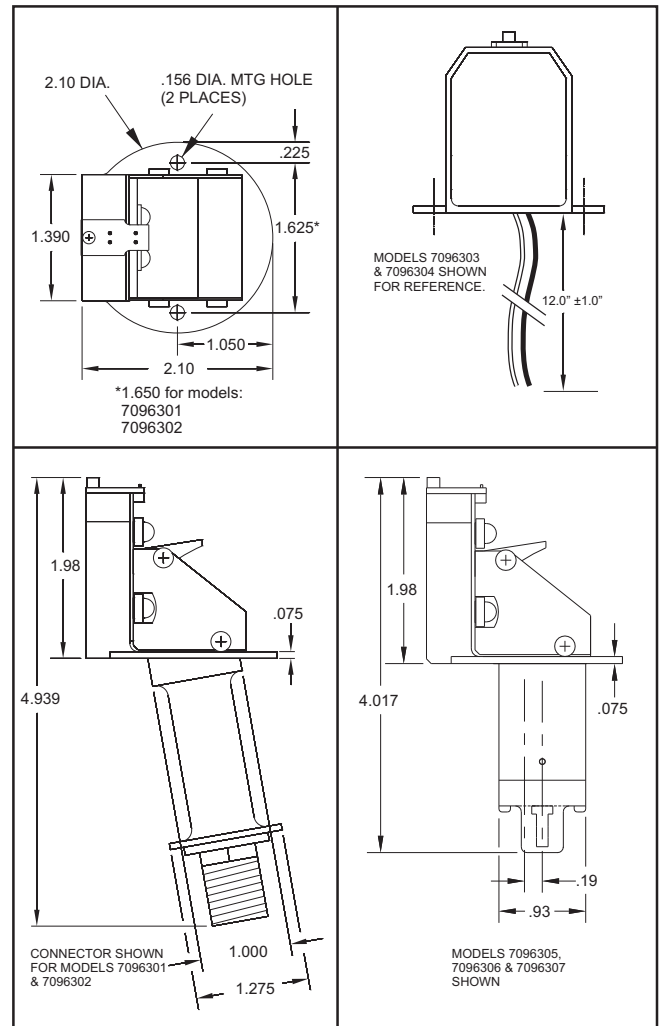
Nominal Input Current: . . . 0.3 Amps

EQUIPMENT LIMITATIONS: An approved forward position lighting system consists of two lights, one located on each wingtip. The lights must be installed under a protective lens. Additional testing may be required.

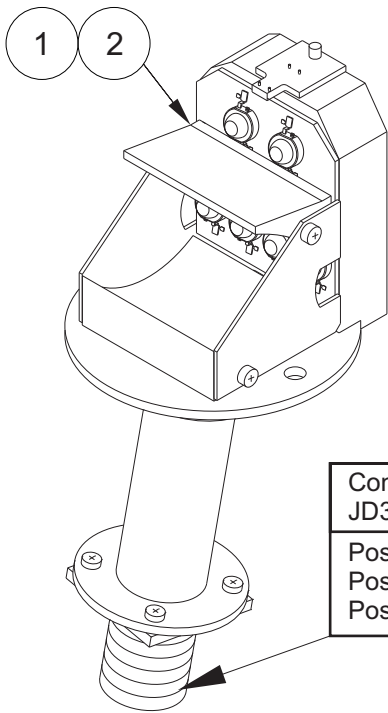
CONTINUED AIRWORTHINESS: The 70963 series LED wingtip position light assembly is designed with 6 LED's. If any one LED fails, the unit must be repaired or replaced.
Note: To reduce eyestrain, use an optical filter such as dark glasses or a blue covering dome during LED inspection.

INSTALLATION PROCEDURES: The following information is to assist in the installation of a Whelen LED Forward Position Light System.

1. Choose the appropriate 70963() series replacement light assembly.
2. The installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installations.
3. Remove the old light, locate and save the existing +28VDC lead and (-) ground lead. Clean and prep ends as required.
4. Connect the existing +28VDC and existing ground leads. Both leads must be connected by an approved FAA connection. Insure that wire leads are clear of any obstacles and ty-wrap as required. CAUTION! Do not touch the LED with either fingers or sharp objects. This could soil and/or damage the LED and effect its optical performance.
5. Position the base of the new light assembly onto the mounting surface. Install using the existing hardware.
6. Check all avionics systems for interference from the installation.
7. A flight check should be performed by a properly certified pilot.
8. Update aircraft records, complete Form 337 and obtain FAA field approval for installation, if necessary.

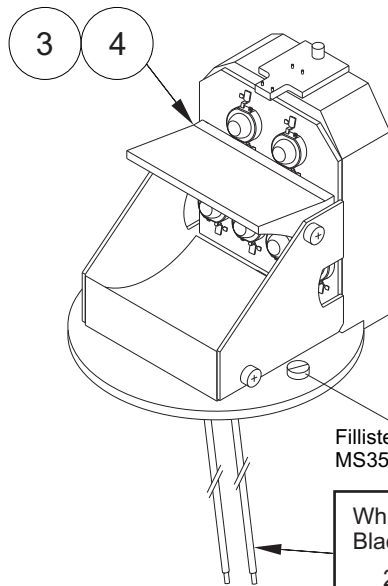


Aviation



Connector Wiring
 JD38999 / 20FA98PN

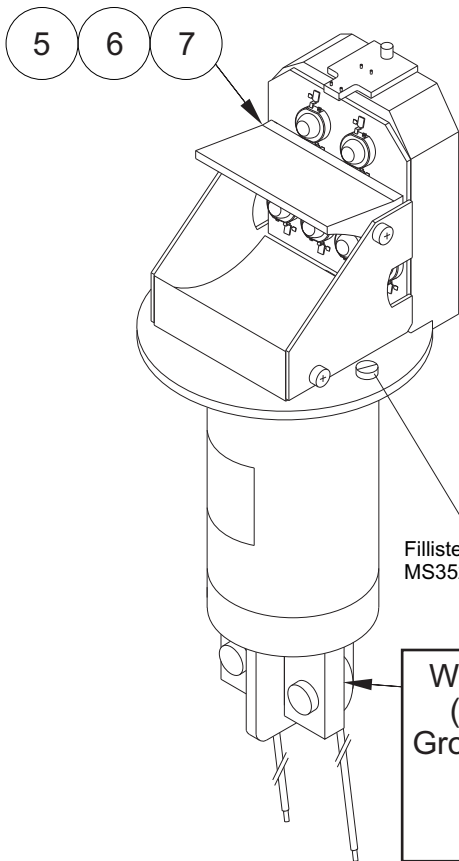
Pos. A (+) 28VDC
 Pos. B (-) Ground
 Pos. C No Connection



Fillister Head Screw (2)
 MS35275-228

White (+) 28VDC
 Black (-) Ground
 20 AWG Wire
 M22759/43

ITEM	Model	Part Number	Description
1	7096301	01-0770963-01	Forward Position Light (Green)
2	7096302	01-0770963-02	Forward Position Light (Red)
3	7096303	01-0770963-03	Forward Position Light (Green)
4	7096304	01-0770963-04	Forward Position Light (Red)
5	7096305	01-0770963-05	Forward Position Light (Green) 680
6	7096306	01-0770963-06	Forward Position Light (Red)
7	7096307	01-0770963-07	Forward Position Light (Green)



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