

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA) FOR TELEDYNE ALPHABEAM™ LED LANDING/TAXI LIGHT

1.0 INTRODUCTION

This procedure establishes instructions for continued airworthiness (ICA) for the Teledyne ALPHABEAM™ LED Landing/Taxi Light to comply with 14 CFR Part 23.1529 Amendment 23-26.

2.0 DESCRIPTION

The Teledyne ALPHABEAM™ LED Landing/Taxi Light is a direct replacement for specific GE incandescent lamps P/N 4313, 4509, 4591, 4594, and 4596 for use in Part 23 aircraft landing and taxi light applications. The Teledyne ALPHABEAM™ LED Landing/Taxi Light is designed to provide excellent night operation performance at a fraction of the DC input power. The Teledyne ALPHABEAM™ LED Landing/Taxi Light has met the applicable tests outlined in the DO-160 environmental testing for airborne equipment.

3.0 CONTROL, OPERATION INFORMATION

The installation of the Teledyne ALPHABEAM™ LED Landing/Taxi Light does not affect the operation of engine or flight controls of the aircraft.

4.0 SERVICING INFORMATION

The Teledyne ALPHABEAM™ LED Landing/Taxi Light does not require any scheduled servicing. For removal/replacement see Section 7.0 of this document.

5.0 MAINTENANCE INSTRUCTIONS

For periodic scheduled servicing tasks or preventive maintenance tasks reference applicable manufacturer's maintenance manual for make and model aircraft.

6.0 TROUBLESHOOTING

If the Teledyne ALPHABEAM™ LED Landing/Taxi Light does not illuminate when the taxi/landing light switch located in the cockpit is energized, perform the following steps:

1. Access the back of the light.
2. Verify that the two wire leads are securely connected to the light.
3. Using a DC voltmeter, verify the presence of 10.5-28 DC voltage.
4. If the proper voltage is measured at the terminals, replace the light.
5. If the proper voltage is not measured at the terminals, reference the aircraft maintenance manual for additional troubleshooting.

7.0 REMOVAL/REPLACE

Refer to the aircraft maintenance manual for proper removal/replacement of the taxi and landing light.

8.0 DIAGRAMS

None Required

9.0 SPECIAL INSTRUCTIONS

The lens cover is made of polycarbonate material. Use care when cleaning. Do not use cleaning materials which contain alcohol, acetone or hydrocarbons.

10.0 PROTECTIVE TREATMENTS

None Required

11.0 STRUCTURAL FASTENERS

None Required

12.0 SPECIAL TOOLS

None Required

13.0 AIRCRAFT APPLICABILITY

The Teledyne ALPHABEAM™ LED Landing/Taxi Light is approved for Part 23 specific aircraft listed in Teledyne Microelectronics PMA Supplement available on the website.

14.0 OVERHAUL PERIOD

None Required

15.0 AIRWORTHINESS LIMITATION

- The Airworthiness Limitations Section is FAA approved and specifies maintenance requirements under 43.16 and 91.403 of the Federal Aviation Regulation unless an alternate program has been FAA approved.
- No periodic scheduled servicing tasks or preventive maintenance tasks are required for Teledyne ALPHABEAM™ LED landing light.
- Accomplish recommended maintenance scheduled in accordance with the airlines' or operation's maintenance and inspection program. No changes required to existing manual(s).

16.0 DOCUMENT DISSEMINATION

The ICA summary, TMT1350 shall be included inside the package for every landing light.