
**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA)
FOR TELEDYNE ALPHABEAM® II LED LIGHTS,
P/N 2307335-1 AND P/N 2307335-2**

1.0 INTRODUCTION

This procedure establishes instructions for continued airworthiness (ICA) for the Teledyne ALPHABEAM® II LED Lights P/N 2307335-1 and P/N 2307335-2 to comply with 14 CFR Part 25.1529 Amendment 25-54.

2.0 DESCRIPTION

The Teledyne ALPHABEAM® II LED Lights P/N 2307335-1 and P/N 2307335-2 are a direct replacement for specific GE incandescent lamps P/N 4551, Q4551, 4554, Q4554 for use in Part 25 aircraft runway turn-off and taxi light applications. The Teledyne ALPHABEAM® II LED Lights are designed to provide excellent night operation performance at a fraction of the 28 VAC 400 Hz/ 28 VDC input power. The Teledyne ALPHABEAM® II LED Lights has met the applicable tests outlined in the DO-160 environmental testing for airborne equipment.

3.0 CONTROL, OPERATION INFORMATION

The installations of the Teledyne ALPHABEAM® II LED Lights do not affect the operation of engine or flight controls of the aircraft.

4.0 SERVICING INFORMATION

The Teledyne ALPHABEAM® II LED Lights do 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® II LED Lights do not illuminate when the 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 an AC/DC voltmeter, verify the presence of 28 AC or DC voltages as applicable to the aircraft.
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 respective light.

8.0 DIAGRAMS

None Required

9.0 SPECIAL INSTRUCTIONS

None Required

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® II LED Lights are approved for Part 25 specific aircraft listed in Teledyne Reynolds 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® II LED lights.
- 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 shall be included inside the package for every ALPHABEAM® II light.