

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA) FOR TELEDYNE ALPHABEAM® II LED LIGHT P/N 2307490-1

1.0 INTRODUCTION

This procedure establishes instructions for continued airworthiness (ICA) for the Teledyne ALPHABEAM® II LED Light P/N 2307490-1 to comply with 14 CFR Part 23.1529 Amendment 23-26, 14 CFR Part 25.1529 Amendment 25-54, Part 27.1529 Amendment 27-18 and Part 29.1529 Amendment 29-20

2.0 DESCRIPTION

The Teledyne ALPHABEAM® II LED Light P/N 2307490-1 is a direct replacement for specific GE incandescent lamps P/N 4553, 4580, 4581, Q4681 for use in Landing/Recognition Light applications. The Teledyne ALPHABEAM® II LED Light is 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 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® II LED Light does not affect the operation of engine or flight controls of the aircraft/rotorcraft.

4.0 SERVICING INFORMATION

The Teledyne ALPHABEAM® II LED 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/rotorcraft.

6.0 TROUBLESHOOTING

If the Teledyne ALPHABEAM® II LED Light does 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/rotorcraft.
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 maintenance manual for additional troubleshooting.

7.0 REMOVAL/REPLACE

Refer to the 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 Light is approved for specific aircraft/rotorcraft 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 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 shall be included inside the package for every ALPHABEAM® II light.