

## INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA) FOR TELEDYNE ALPHABEAM™ LED LANDING/TAXI LIGHT P/N 2307055-1

### 1.0 INTRODUCTION

This procedure establishes instructions for continued airworthiness (ICA) for the Teledyne ALPHABEAM™ LED Landing/Taxi Light P/N 2307055-1 to comply with 14 CFR Part 23.1529 Amendment 23-26, 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™ LED Landing/Taxi Light P/N 2307055-1 is a direct replacement for specific GE incandescent lamps P/N 4313, 4509, 4591, 4594, 4596 and 4587 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/rotorcraft.

### 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/rotorcraft.

### 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 maintenance manual for additional troubleshooting.

### 7.0 REMOVAL/REPLACE

Refer to the 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 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™ 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 shall be included inside the package for every ALPHABEAM™ light.