



NavStrobe® Lighting Ltd.
Chris Winter, CEO, CTO
3046 Moonlight Bay
Carleton Place, ON
K7C 3P2, Canada
(613) 285-0911
navstrobe@gmail.com
www.navstrobelighting.com

FAA/TCCA TSO-C30c Compliant



NavStrobe Sextant Kit 5.5 - 45w

(US Patented)

Certification completed 11Dec2019

Michael Eiras, M1 Aviation
FAA DER (DERT-833269-SW)
9011 Bar K Ranch Road
Lago Vista, TX, 78645
512-739-0794

FAA/TCCA TSO Authorization No. O -14-0449

SAE AS8037c Photonic Testing

Lab tests performed by
CSA Group

14833 NE 87th Street, Redmond, Washington, USA

Regulation	Compliance Shown?
523.1385 Position Light System Installation	Yes
523.1387 Position Light System Dihedral Angles	Yes
523.1389 Position Light Distribution and Intensities	Yes
523.1391 Minimum Intensities in the Horizontal Plane of Position Lights	Yes
523.1393 Minimum Intensities in any Vertical Plane of Position Light	Yes
523.1395 Maximum Intensities in Overlapping Beams of Position Lights	Yes
523.1397 Colour Specifications	Yes

RTCA DO-160G Environmental Testing Results

Lab tests performed by

Professional Testing (EMI), Inc.

1601 N. A.W. Grimes Blvd, Suite B, Round Rock, Texas, USA.

Test	Pass/Fail	Compliance Shown?
Section 4.0 - Temperature and Altitude	Pass	Yes
Section 6.0 - Humidity (Category C)	Pass	Yes
Section 8.0 - Vibration (Category S)	Pass	Yes
Section 9.0 – Explosion Proofness (Category A)	N/A	N/A
Section 10.0 – Waterproofness	N/A	N/A
Section 11.0 - Fluids Susceptibility (Category F)	N/A	N/A
Section 12.0 - Sand and Dust (Category D)	N/A	N/A
Section 13.0 – Fungus Resistance (Category F)	N/A	N/A
Section 14.0 - Salt Spray (Category S)	N/A	N/A
Section 16.0 - Power Input Test	Pass	Yes
Section 17.0 - Voltage Spike	Pass	Yes
Section 18.0 - Audio Frequency Conducted Susceptibility- Power Inputs	Pass	Yes
Section 19.0 - Induced Signal Susceptibility	Pass	Yes
Section 20.0 - Radio Frequency Susceptibility (Radiated and Conducted)	Pass*	Yes
Section 21.0 - Emission of Radio Frequency Energy	Pass*	Yes
Section 25.0 - Electrostatic Discharge (ESD)	Pass	Yes
Thermal Shock (MIL-DTL-7989)	Pass	Yes

* The LEDs passed all tests in Steady State mode (Non-flashing mode).



NavStrobe Lighting Ltd.
 3046 Moonlight Bay
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ISO-C30c TYPES I & II

Designed in Canada.

OPERATING INSTRUCTIONS:

CONTINUED AIRWORTHINESS: The Sextant 3.0 series Forward (Wingtip) position light Lens cover is designed with borosilicate glass. Replace the lens cover if there is any excessive scratching, discoloration or cracking.

INSTALLATION PROCEDURES:
 The following information is to assist in the installation of a NavStrobe LED Forward Position Lens cover.

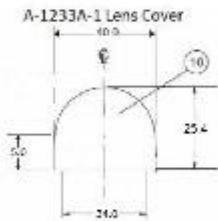
1. The installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installations.
2. Remove the old lens cover.
3. Clean and prep the lens cover as required.
4. Apply a coating of dielectric grease to the base.
5. Install the lens cover in the existing socket.
6. The lens cover must be installed in an approved socket.

Model: Sextant Wingtip position light lens cover.
P/N: Sextant A-1233A-1

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.

DATA SHEET:

Color BIN:Clear
 Material:Borosilicate Glass
 Base Type:Flat ground
 Dimensions:1.57od In x 1.34id x 1.0h In (40od x 34id x 25.4h mm)
 Weight:0.35 oz (16 g)



All measurements are in mm
 ±0.2mm

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TSO-C30c TYPES I & II

Manufactured in Canada.

OPERATING INSTRUCTIONS:

CONTINUED AIRWORTHINESS: The Sextant 3.0 series Forward (Wingtip) position light Lens cover gasket is made with Neoprene 60 Durometer rubber. Replace the lens cover gasket if there is any deformation or cracking.

INSTALLATION PROCEDURES:
 The following information is to assist in the installation of a NavStrobe LED forward position Lens cover gasket.

1. The installation procedure described in the Following text will be confined to a single light installation, but is identical for multiple gasket installations
2. Remove the old lens cover gasket.
3. Clean and prep the gasket as required.
4. Install the gasket in the existing socket with adhesive side down.
5. Apply a coating of dielectric grease to the top surface.
6. The lens cover gasket must be installed in an approved socket.



**Model: Sextant Wingtip position light lens cover gasket.
 P/N: Sextant A450**

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.

DATA SHEET:

Color BIN:Black
 Material: Neoprene 60 Durometer rubber
 Base Type:Adhesive strip
 Dimensions: 1.3 In x 1.65 x 0.06 In (33ld x 42od x 1.5thick mm)
 Weight:0.042 oz (1.2 g)

