



U.S. Department
of Transportation
**Federal Aviation
Administration**

**Transport Airplane Directorate
Aircraft Certification Service**

1601 Lind Avenue Southwest
Renton, Washington 98057-3356

MAY -5 2017

In Reply
Refer To: 130S-17-142

Mr. Dean Wilkinson
Chief Technical Officer
AeroLEDs LLC
8475 West Elisa Street
Boise, ID 83709

Dear Mr. Wilkinson:

Subject: Technical Standard Order (TSO) Authorization (TSOA) for Suntail Part
Number (P/N) 11-1260-()

This is in reply to your letter of April 5, 2017, requesting TSOA for your position light/anti-collision light. We accept your statement certifying that your article meets the requirements of TSO-C30c and TSO-C96a and that you meet the requirements of Title 14 Code of Federal Regulations (14 CFR) part 21, subpart O.

We also accept the data you submitted in support of the non-TSO functions listed in the enclosure to this letter on a non-interference basis.

Effective this date, we authorize you to identify the following position light/anti-collision light with the marking requirements defined in 14 CFR 21.616(d) and in TSO-C30c and TSO-C96a.

Part Number:
11-1260-()

Description:
LED position light/anti-collision light

We consider your quality system, as defined in your Quality Control Manual 9000-0000 QMS-00, Revision J, dated August 15, 2016, satisfactory for production of this article at your Boise, Idaho facility. AeroLEDs LLC must furnish the following statement to the original owner or installer of each article (or multiple articles if furnished to one source):

The conditions and tests required for TSO approval of this article are minimum performance standards. Those installing this article either on or within a specific type or class of aircraft must determine that the aircraft installation conditions are within the TSO standards which include any accepted integrated non-TSO functions. TSO articles and any accepted integrated non-TSO function(s) must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirements.

The following deviation has been approved pursuant to 14 CFR 21.618 and FAA Order 8150.1D:

- Usage of environmental test standard RTCA/DO-160E, *Environmental Conditions and Test Procedures for Airborne Equipment*, in place of RTCA/DO-160B as specified in TSO-C30c and TSO-C96a.

This TSOA, issued pursuant to 14 CFR 21.611, is effective until surrendered, withdrawn or otherwise terminated under the provisions of 14 CFR 21.613. With notice, we may withdraw this TSOA if articles are not in compliance with the applicable TSO performance standards pursuant to 14 CFR 21.2.

You must provide one copy or online access to data listed as a furnished data requirement in the TSO to the original owner/installer of each article or multiple articles if furnished to one source (e.g., an operator, type certificate holder, or repair station).

You must obtain FAA approval before making any changes to the location of your manufacturing facilities pursuant to 14 CFR 21.609(b).

Without further FAA approval, we do not allow a manufacturer to mark articles after it changes its company name, address, or ownership. You must notify the ACO and MIDO of name, address, or proposed ownership changes.

Pursuant to 14 CFR 21.614, a holder of a TSOA may not transfer it. If you wish to transfer it, you must request a transfer from the FAA.


Send to the office below any design change(s) for this TSO article as outlined in 14 CFR 21.619(a). You must notify us of minor design changes within 180 days. Also, as recipient of this authorization, we require you to report any failure, malfunction, or defect relating to articles produced under this authorization pursuant to 14 CFR 21.3.

Please note that technical data the FAA retains may be subject to Freedom of Information Act requests. This office will notify you of any request(s) pertaining to your data and give you the opportunity to protect the data from public disclosure.

If you have any questions regarding this authorization, contact Mr. Brian F. Hernandez by telephone at (425) 917-6460, or by electronic mail at brian.hernandez@faa.gov.

Sincerely,



 Ross Landes
Manager, Seattle Aircraft
Certification Office

Enclosure

Accepted Non-Technical Standard Order (TSO) Functions

We accept, as valid data, the data supporting the non-TSO functions listed below. **This TSO authorization is not an approval for the non-TSO function(s) or for installation.** You must apply for a separate installation approval so we can determine if the data are applicable and sufficient to show compliance to the airworthiness regulations for the product(s) where the article is installed.

Part Number	Non-TSO Function	Description	Performance Standard	Documentation
11-1260-()	Synchronization signal	Synchronizing anti-collision lights between multiple units	None	AeroLEDs Installation Guide 0009-0018 Rev IR dated April 4, 2017

We accept the data supporting the non-TSO functions listed in the above table with the following conditions:

1. The non-TSO functions do not interfere with the article's compliance with the TSO.
2. AeroLEDs LLC controls the design and quality of the article, including the validity of the non-TSO functions' data listed in the table above
3. AeroLEDs LLC evaluates design changes pursuant to Title 14 Code of Federal Regulations section 21.619 to ensure the article continues to comply with the TSO.
4. AeroLEDs LLC evaluates design changes to confirm the validity of the accepted non-TSO function's data. If the design change affects the validity of the data supporting the accepted non-TSO function (i.e., a change to intended function, not a bug fix or minor adjustment), you must obtain approval from the FAA before integrating the design change into your article design. If the design change does not affect the validity of the data supporting the accepted non-TSO function, you must report it when you report other minor design changes. If we accept the change, AeroLEDs LLC must notify all recipients of the previous data of the change. If all of the previous recipients of the data cannot be identified, AeroLEDs LLC must change the part number of the article. We require a new installation approval for an article with a new part number.