



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

**Transport Airplane Directorate
Aircraft Certification Service**
Seattle Manufacturing Inspection
District Office
1601 Lind Avenue S.W.
Renton, WA 98057

March 24, 2014

AeroLEDs LLC
Attn: Dean Wilkinson
8475 West Elisa St.
Boise, ID 83709

PQ 5259NM

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Wilkinson:

In accordance with Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the Federal Aviation Administration (FAA) has found the design data, as submitted by AeroLEDs LLC (hereinafter referred to as "the Manufacturer") on March 11, 2014, meet the airworthiness requirements of 14 CFR applicable to the product(s) on which the article(s) is to be installed. Additionally, the FAA has determined the Manufacturer has established the quality system required by § 21.307 at 8475 West Elisa St., Boise, ID, 83709. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in the enclosed supplement(s) in conformity with the FAA-approved design data. Subsequent changes to the design data must be approved in a manner acceptable to the FAA.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the Seattle Manufacturing Inspection District Office (MIDO) prior to relocating or expanding manufacturing facilities from which articles are produced, including the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish articles or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. The name and title of the FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct-shipment authority;
- h. Results of the Manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent); and
- j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.

4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any article or listed in the enclosed supplement unless:

- a. That part or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or
- b. The FAA has determined the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA at least ten (10) working days in advance when the use of such foreign suppliers is contemplated. This will allow the FAA time to make this determination.

5. Articles produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45, Identification and Registration Marking, § 45.15. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, and the part number. If the FAA finds the article is too small or impractical to mark, the manufacturer must attach the information required by § 45.15 to the article or its container.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds the quality system is not being maintained. A withdrawal may occur if unsafe or nonconforming articles are accepted under the quality system.

7. The Seattle MIDO must approve any changes to the address shown in this approval.
8. The Manufacturer must maintain its quality system in continuous compliance with the requirements of § 21.307. The Manufacturer also must ensure that each article conforms to the approved design data and is safe for installation on type-certificated products.
9. The Manufacturer has the privileges specified within the PMA letter and supplement. In addition, the Manufacturer is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs), in accordance with the provisions of part 183. The DMIRs may issue export airworthiness approvals for articles. The Manufacturer may also be authorized to apply for and obtain an Organization Designation Authorization (ODA). Orders 8100.8 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.
10. The Manufacturer must report in a timely manner, to the Seattle MIDO, information concerning service difficulties on any article produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.
11. All technical data required by § 21.303(a)(3), for the articles to be produced in accordance with this approval, must be readily available to the FAA at the facility where the articles are being produced.
12. The Manufacturer must notify the Seattle MIDO, immediately in writing of any changes to the quality system that may affect the inspection, conformity, or airworthiness of the articles approved in this letter.
13. The Manufacturer must produce all articles in accordance with AeroLEDs LLC, AS9100 Quality Manual for FAA CFR Part 21, revision E, dated March 19, 2014, that has been presented as evidence of compliance with § 21.307. Accordingly, any revisions to the data must be submitted to the Seattle MIDO for approval prior to implementation.

Sincerely,



Chris Spangenberg,
Manager, Seattle Manufacturing
Inspection District Office

Enclosure:
Parts Manufacturer Approval Listing
Supplement No. 1



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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

**AeroLEDs LLC
8475 West Elisa St.
Boise, ID 83709**

**PMA No. PQ5259NM
Supplement No.: 1
Date: March 24, 2014**

<u>ARTICLE NAME</u>	<u>PART NUMBER</u>	<u>APPROVED REPLACEMENT FOR PART NUMBER</u>	<u>APPROVAL BASIS AND APPROVED DESIGN DATA</u>	<u>MAKE ELIGIBILITY</u>	<u>MODEL ELIGIBILITY</u>
Sunspot 36 HX-Landing	01-1030-H-A	01-1030-H-A	Identity per 14 CFR, § 21.303, licensing agreement between AeroLEDs LLC and Aviat Aircraft, Inc., dated 03/11/2014. <u>DWG No:</u> 01-1030-H-A <u>Rev:</u> A <u>Dated:</u> 05/03/2013 or later FAA-approved revisions	Aviat Aircraft, Inc.	A-1 A-1A A-1B A-1C-180 A-1C-200
Sunspot 36 HX-Taxi	01-1030-H-B	01-1030-H-B	Identity per 14 CFR, § 21.303, licensing agreement between AeroLEDs LLC and Aviat Aircraft, Inc., dated 03/11/2014. <u>DWG No:</u> 01-1030-H-B <u>Rev:</u> A <u>Dated:</u> 05/03/2013 or later FAA-approved revisions	Aviat Aircraft, Inc.	A-1 A-1A A-1B A-1C-180 A-1C-200

-----End of Listing-----

Note: The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.

Chris Spangenberg,
Manager, Seattle Manufacturing
Inspection District Office