



AEROSPACE STANDARD

AS7768™**REV. B**

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Superseding AS7768A

Light, Desk, Aircraft

RATIONALE

Design authorities may determine that this document is no longer to be used for new design. This determination should be made by each design authority.

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This document has been declared "Stabilized" by the SAE A-20C Interior Lighting Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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NOTICE

The initial SAE publication of this document was taken directly from U.S. Military Standard MIL-L-7768B, Amendment 1. This SAE Standard may retain the same part numbers established by the original military document.

Any requirements associated with Qualified Products Lists (QPLs) may continue to be mandatory for DoD contracts. Requirements relating to QPLs have not been adopted by the SAE for this standard and are not part of this SAE document.

1. SCOPE

1.1 Scope

This specification covers the requirements for a light assembly for use on aircraft cabin desks.

1.2 Classification

1.2.1 Type

The light assembly covered by this specification shall conform to the type shown on Table 1.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

SPECIFICATIONS

Federal

ASTM D5118/D5118M	Standard Practice for Fabrication of Fiberboard Shipping Boxes
ASTM D1974/D1974M	Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes

Military

MIL-STD-2073-1	Standard Practice for Military Packages
MIL-I-631	Insulation, Electrical, Synthetic-Resin Composition, Nonrigid
MIL-DTL-18307	Nomenclature and Identification for Aeronautical Systems Including Joint Electronics Type Designated Systems and Associated Support Systems SAE Publications

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AS50881 Wiring Aerospace Vehicle

STANDARDS

Federal

FED-STD-595	Colors Used in Government Procurement
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Military

MIL-STD-129	Military Marking for Shipment and Storage
MIL-DTL-6363/13	Lamps, Incandescent, Aircraft Service, Single-Contact, Bayonet Candelabra Base, S-11 Bulb
MIL-DTL-6363/12	Lamps, Incandescent, Aircraft Service, Single Contact Bayonet Candelabra Base, S-8 Bulb

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other Publications

The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus

(Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.)

2.3 Definitions

FIRST ARTICLE TESTS: First article tests are those performed prior to production on representative models of the production light assembly to demonstrate that the light meets the requirements of this specification and of the applicable standard.

QUALITY CONFORMANCE TESTS: Quality Conformance tests are those tests accomplished on representative samples of equipment submitted for acceptance under a contract to determine conformance to the requirements of this specification, and of the detail specification, and to determine that the units are equivalent in performance and construction to the approved first article samples.

3. REQUIREMENTS

3.1 First Article

When specified (see 5.2), the contractor shall furnish sample units for first article inspection and approval (see 4.3.1 and 5.2.1).

3.2 Materials

Materials shall conform to the applicable specifications, MS standards, and Figure 1 as specified herein. Materials that are not covered to applicable documents shall be of the best commercial quality and suitable for the purpose intended.

3.2.1 Metals

Metals shall be of the corrosion-resisting type unless suitably protected to resist corrosion during normal service life.

3.3 Design and Construction

The design of the light assembly shall be substantially in accordance with the applicable standard or Figure 1. The dimensions specified thereon shall be maintained to permit interchangeability.

3.3.1 Lamp

The light assembly shall be designed to use MIL-DTL-6363/12, or MIL-DTL-6363/13. The MIL-DTL-6363/13 lamp shall be furnished by the manufacturer of the light assembly unless otherwise specified (see 5.2).

3.3.2 Wiring

The light assembly shall be wired substantially as shown on the applicable standard or Figure 1, using two size 20 wires in accordance with AS 50881. A length of wire 2 feet $\pm$ 1 inch shall extend from the mounting flange. The wires shall be protected by type F, Grade A, form U tubing in accordance with MIL-I-631.