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Australian Standard® 3118—1986

AMDT. 1.

APPROVAL AND TEST SPECIFICATION— ELECTRIC INSPECTION HANDLAMPS

STANDARDS ASSOCIATION
OF AUSTRALIA
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AS/NZS 3118:1993
Approval and test specification—Elec-
tric inspection handlamps
(In Professional Package 28A) 6pp CC
Specifies essential safety requirements for
approval and test purposes. In Australia it is
to be read in conjunction with AS 3100. In
New Zealand it is to be read in conjunction
with NZS 6200 for the purpose of Clause 17.
Produced as a Joint Australian/New Zealand
Standard.
Committee EL2: Supersedes AS 3118—1986: Publi-
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This Australian standard was prepared by Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of the Standards Association of Australia on 4 June 1986 and published on 4 August 1986.

The following interests are represented on Committee EL/2:

- Australian Consumers Association
- Australian Electrical and Electronic Manufacturers Association
- Confederation of Australian Industry
- Consumer Electronics Suppliers Association
- Electrical Apparatus Approvals Authorities
- Electrical Supply Association of Australia
- Electrical Testing Laboratories
- Institution of Engineers Australia

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Revised	1957
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STANDARDS AUSTRALIA

Amendment No 1

to

AS 3118—1986

Approval and test specification—Electric inspection handlamps

REVISED TEXT

The 1986 edition of AS 3118 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clause 15.

Published on 14 July 1989.

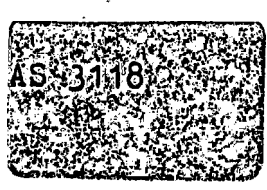
AMDT
No 1
JULY
1989

Page 5. Clause 15.

Delete existing Item (a) and *substitute* the following:

- (a) The name or registered trade name or mark of the manufacturer or responsible vendor, or of the applicant for approval.

This Amendment forms part of the Specification on publication.



Australian Standard® 3118—1986

APPROVAL AND TEST SPECIFICATION— ELECTRIC INSPECTION HANDLAMPS

MIC

*Please amend the history block
of this standard in accordance
with the attached pages*

*Thanks
Aime
S.C.*



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STANDARDS ASSOCIATION OF AUSTRALIA

1939

APPROVAL AND TEST SPECIFICATION FOR ELECTRIC HAND-LAMPS

This Specification shall be read in conjunction with Approval and Test Specification No. C. 100, "Definitions and General Requirements for Electrical Materials and Equipment." (See also Clause 3, below.)

STANDARDS ASSOCIATION OF AUSTRALIA

AMENDMENT No. 2

to S.A.A. Approval and Test Specification for ELECTRIC HAND-LAMPS (No. C. 118-1939. Ap.)

1947

First Issued March, 1939 Amended and Redated April, 1940; July, 1947

The S.A.A. Approval and Test Specification for Electric Hand-Lamps (No. C. 118-1939. Ap., as amended April, 1940) has been further amended, as indicated hereunder, and is therefore re-dated as No. C. 118-1947. Ap.

The relating slip should be affixed to the top of the cover page, and the amendments should be inserted at the appropriate places.

STANDARDS ASSOCIATION OF AUSTRALIA

AMENDMENT No. 3

to SAA Approval and Test Specification for ELECTRIC HAND-LAMPS (No. C. 118-1947. Ap.)

1950

First Issued March 1939 Amended and Redated April 1940; July 1947; July 1950.

The SAA Approval and Test Specification for Electric Hand-Lamps (No. C. 118-1939. Ap., as amended April 1940 July 1949) has been further amended as indicated hereunder, and is therefore re-dated as No. C. 118-1950. Ap.

The relating slip should be affixed to the top of the cover page, and the amendment should be inserted at the appropriate places.

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Amendment No. 4 to SAA Approval and Test Specification for Electric Hand Lamps (No. C. 118-1950. Ap.)

First Issued 1939 New Edition (Inc. Amdts. 1-3) 1950 Amended and Redated January 1954

1954

The above specification has been amended as follows, and is re-dated as A.S. No. C. 118-1954. Ap.

The relating slip replaces the present A.S. No. and date on the cover page, and the amendments should be inserted at the appropriate places.

C118

Amendment 1 - July 1959.

" 2 - Dec. 1959.

" 3 - May 1961.

" 4 - July 1962.

" 5 - Oct. 1962.

" 6 - Aug. 1963.

" 7 - Dec. 1964.

" 8 - Sep. 1965.

" 9 - Dec. 1971.

~~No. C.118-1957 Ap.~~

~~SUPERSEDED BY AS 3.118-1974 Ap.~~

SAA
Approval and Test Specification
for
INSPECTION SEE AMENDMENT 26
ELECTRIC HAND-LAMPS



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PREFACE

This standard was prepared by Committee EL/2, Electrical Approvals Standards. It is one of a series of approval and test specifications issued by the Association. These specifications are accompanied by a general specification AS 3100, containing definitions and general requirements for electrical materials and equipment. The purpose of these specifications is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

This edition was published to incorporate into the specification Amendment Nos 1 to 3 to AS 3118—1982 and to effect a change to Clause 16.4 with regard to new requirements for fire tests. Also a list of referenced documents has been added to Clause 1 and a Note with regard to the Standards Mark added to Clause 15.

This specification supersedes AS 3118—1982 from date of publication.

The Association desires to call attention to the fact that this specification does not purport to include all the necessary provisions of a contract.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

APPROVAL AND TEST SPECIFICATION—ELECTRIC INSPECTION HANDLAMPS

This specification shall be read in conjunction with AS 3100. (See also Clause 3, below.)

1 SCOPE AND REFERENCED DOCUMENTS.

1.1 Scope. This specification applies to electric inspection handlamps used on direct or alternating current circuits at low or extra-low voltage, but excluding, however, any handlamp which is intended for operation at a voltage not exceeding 32 V, and which—

- (a) is marked with the operating voltage; and
- (b) is fitted with a miniature bayonet or miniature Edison-type screw lampholder.

This specification also excludes portable lamp standards and brackets within the scope of AS 3128, and similar fittings of a decorative nature, although they may be movable and not fixed.

1.2 Referenced documents. The following approval and test specifications are referred to in this specification:

- AS 3100 Definitions and General Requirements for Electrical Materials and Equipment
- AS 3109 Appliance Couplers for Household and Similar General Purposes
- AS 3117 Bayonet Lampholders
- AS 3120 Cord Extension Sockets
- AS 3128 Portable Lamp Standards and Brackets
- AS 3140 Edison-type Screw Lampholders
- AS 3168 Fluorescent Lamp Ballasts
- AS 3191 Electric Flexible Cords.

2 DEFINITION. For the purpose of this specification, the following definition applies:

2.1 Inspection handlamp—portable fitting intended for the holding of an electric incandescent or discharge lamp, capable of being held in the hand and intended primarily for inspection purposes, and hereinafter referred to as a 'handlamp'.

3 COMPLIANCE WITH SPECIFICATIONS.

3.1 General requirements of AS 3100. This specification shall be read in conjunction with AS 3100, and the appropriate provisions of AS 3100 shall apply to the construction of the handlamp and the insulation and/or safeguarding of parts which normally carry current.

3.2 Specific requirements of this specification. A handlamp shall be deemed to comply with this specification only if it complies with all the requirements of this specification and passes the tests specified herein.

3.3 Requirements of other specifications. Equipment and components incorporated in a handlamp which are depended upon for safety shall comply with the appropriate requirements of any relevant approval

and test specification unless such requirements are varied herein.

4 MEANS OF CONNECTION. The handlamp shall be provided with one of the following means of connection to the supply:

- (a) A Type C appliance plug complying with AS 3109. All the contacts of the plug including the earthing contact, if any, shall be located within the body of the plug.
- (b) A Type C appliance inlet socket complying with AS 3109 and which is intended to accommodate a cord extension socket which complies with AS 3120.
- (c) A power supply cord which shall be assembled with the appliance by one of the following methods:
 - Type X attachment.
 - Type M attachment.
 - Type Y attachment.
 - Type Z attachment.

5 ATTACHMENT OF FLEXIBLE CORD.

5.1 Anchoring. Provision shall be made for anchoring the connecting flexible cord in accordance with Clause 4.5.3 of AS 3100.

5.2 Provision for entry. The opening through which the flexible cord enters the handlamp shall be shaped so as to prevent abrasion of, or mechanical damage to, the flexible cord. Alternatively, where the opening is not so shaped provision shall be made in the form of a sleeve of suitable rubber or equivalent insulating material for preventing sharp bending of, or mechanical damage to, the flexible cord where it enters the body of the handlamp. The sleeve shall be held securely in position in the body of the handlamp.

The point of entry shall be constructed so as to accommodate the flexible cord within its external protective covering.

NOTE: See Clause 9 for prohibition of flexible cord entering a metal handle.

6 FLEXIBLE CORD AND CONNECTING PLUG.

The handlamp shall not be required to comply with the requirements of Clause 4.4 of AS 3100 in respect of the provision of a supply flexible cord and connecting plug.

Where a flexible cord is provided with the handlamp for the purpose of connecting it to the supply the flexible cord shall—

- (a) be of a type not inferior to an ordinary duty sheathed type in accordance with AS 3191; and
- (b) be correctly wired in accordance with the appropriate requirements of Clause 4.4 of AS 3100; and
- (c) have a free length (external to the handlamp and any plug) of not less than 2.7 m.