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APPROVAL AND TEST SPECIFICATION FOR DECORATIVE LIGHTING OUTFITS



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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations or departments were officially represented on the committee entrusted with the preparation of this specification:

Australian Chamber of Commerce

Australian Electrical and Electronics Manufacturers Association

Confederation of Australian Industry

Department of Housing and Construction

Electrical Apparatus Approvals Authorities

Electrical Contractors Association of Australia

Electrical Testing Laboratories

Electricity Supply Association of Australia

Electronic Importers Association

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PREFACE

This revised specification, prepared by Committee EL/2, Electrical Approvals Standards, was approved on behalf of the Council of the Standards Association of Australia on 25 August 1980, and was published on 1 November 1980.

It is one of a series of approval and test specifications issued by the Association under Part 2 of the SAA Wiring Rules. These specifications are accompanied by a general specification AS C100 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 is technically identical with the 1978 edition, except that it incorporates Amendments No 1 and No 2, which were issued in March and July 1979, and includes changes to the following clauses:

- Clause 4.1 now indicates that lamps may be connected in parallel if their connections are encapsulated and the lamp does not rely on a resistance element.
- Clause 6.1 has been updated to allow for encapsulation of connections.
- Clause 7 allows for the use of filament bypass devices (this requirement applies 12 months after publication of this edition).
- Clause 12.2 specifies additional requirements for the cord anchorage test on integrally moulded lampholders.
- Clause 12.4.2 introduces a temperature test during normal operation (this requirements applies 12 months after publication of this edition).

This specification supersedes AS 3152—1978 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.

This specification requires reference to the following Australian standard approval and test specifications:

AS 3117	Bayonet Lampholders
AS 3119	Normal Bayonet Lampholder Adaptors
AS 3121	Insulating Mouldings
AS 3140	Edison-type Screw Lampholders
AS 3191	Electric Flexible Cords
AS C100	Definitions and General Requirements for Electrical Materials and Equipment
AS C109	Appliance Plugs and Appliance Inlet Sockets
AS C112	Plugs and Plug Sockets
AS C126	Extra Low Voltage Transformers



STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
APPROVAL AND TEST SPECIFICATION
FOR
DECORATIVE LIGHTING OUTFITS

This specification shall be read in conjunction with AS C100. (See also Clause 3, below.)

1 SCOPE. This specification applies to decorative lighting outfits designed for indoor use and intended for connection to an extra-low voltage supply not exceeding 32 V or a low voltage supply not exceeding 250 V.

NOTE: This specification does not apply to festoon lighting of the type described in Rule 3.30 of AS 3000, Part 1—SAA Wiring Rules.

2 DEFINITIONS. For the purpose of this specification, the following definitions, which are additional to those specified in AS C100, shall apply:

2.1 Decorative lighting outfit (hereinafter referred to as 'outfit')—a number of lampholders, connected either in series or in parallel and normally supported by flexible conductors, designed for connection to an accessory in an electrical installation by means of a supply flexible cord and including any shades, diffusers, reflectors, transformers, flashers, etc.

2.2 Flasher unit—a device intended to automatically cause intermittent operation of the lamps.

3 COMPLIANCE WITH SPECIFICATIONS.

3.1 General Requirements of AS C100. This specification shall be read in conjunction with AS C100, and the appropriate provisions of AS C100 shall apply to the construction of the outfit and the insulation and/or safeguarding of parts which normally carry current.

3.2 Specification Requirements of this Specification. An outfit 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. Components incorporated in an outfit 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 ARRANGEMENT OF OUTFITS.

4.1 Low Voltage Outfits. Lampholders, of an outfit intended for connection to a low voltage supply, which are suitable for the use of filament