

Australian/New Zealand Standard™

**Self ballasted lamps for general lighting
services—
Safety requirements
(IEC 60968:1988, MOD)**



Standards Australia



STANDARDS
NEW ZEALAND
Pūrongo Aotearoa

AS/NZS 60968:2001

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Australian Electrical and Electronic Manufacturers Association
Consumer Federation of Australia
Electrical Compliance Testing Association of Australia
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Australian/New Zealand Standard™

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and related equipment.

The objective of this Standard is to provide the lighting industry with safety requirements on self ballasted lamps for general lighting services.

This Standard is an adoption with national modifications and has been reproduced from IEC 60968:1988, *Self ballasted lamps for general lighting services—Safety requirements* including Amendment 1 (1991) and Amendment 2 (1999).

A vertical line in the margin shows where the base publication has been modified by Amendments 1 and 2.

Variations to IEC 60968:1988 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (~~example~~). Added figures are not themselves shaded, but are identified by a shaded border.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this standard' should read 'this Australian/New Zealand Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

In this Standard, the following print types are used:

- requirements proper: in arial type;
- *test specifications: in italic type;*
- explanatory matter: in smaller arial type.

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Any IEC table, figure or passage of text that is struck-through is not part of this Standard. Any Australian/New Zealand table, figure or passage of text that is added (and identified by shading) is part of this Standard.

1 General**1.1 Scope**

This standard specifies the safety and interchangeability requirements, together with the test methods and conditions, required to show compliance of tubular fluorescent and other gas-discharge lamps with integrated means for controlling starting and stable operation (self-ballasted lamps), intended for domestic and similar general lighting purposes, having:

- a rated wattage up to 60 W;
- a rated voltage of 100 V to 250 V;
- Edison screw or bayonet caps.

The requirements of this standard relate only to type testing.

Recommendations for whole product testing or batch testing are under consideration.

1.2 Normative references

AS	
3117	Approval and test specification—Bayonet lampholders
3140	Approval and test specification—Edison-type screw lampholders
AS/NZS	
4695.2.2	Fire hazard testing of electrotechnical products—Test methods – Needle-flame test
4695.707	Fire hazard testing of electrotechnical products—Methods of test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source
IEC	
60061-1 Ed. 3.0 (b)	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 1: Lamp caps
60061-3 Ed. 3.0 (b)	Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 3: Gauges
60238 Ed. 7.1 (b)	Edison screw lampholders