

Australian/New Zealand Standard™

**Self ballasted lamps for general lighting
services—Performance requirements**



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STANDARDS
NEW ZEALAND
Te Ara Rau

AS/NZS 60969:2001

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-041, Lamps and related equipment. It was approved on behalf of the Council of Standards Australia on 2 October 2001 and on behalf of the Council of Standards New Zealand on 12 October 2001. It was published on 29 November 2001.

The following interests are represented on Committee EL-041:

Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Federation of Australia
Electrical Compliance Testing Association of Australia
Electrical Regulatory Authorities Council (Aust)
Energy Efficiency and Conservation Authority of New Zealand
Illuminating Engineering Society of Australia and New Zealand
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Australian/New Zealand Standard™

Self ballasted lamps for general lighting services—Performance requirements

Originated as AS 3134—1992
Jointly revised and redesignated in part as AS/NZS 60969:2001

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and related equipment to supersede AS 3134—1992, *Approval and test specifications—a.c. supplied electronic ballast for tubular fluorescent lamps*. In Australia, this Standard will co-exist with the current Standard AS 3134—1992 until 30 June 2002 on which date AS 3134—1992 will be withdrawn.

The objective of this Standard is to specify performance requirements for self ballasted lamps for general lighting services. In addition this Standard specifies test methods and conditions of compliance of tubular florescent and other gas-discharge lamps with self ballasted lamps for domestic and general lighting services.

This Standard is identical to IEC 60969:1988, *Self ballasted lamps for general services—Performance requirements*. Amendment 1:1991 and Amendment 2:2000 to IEC 60969 are incorporated in this document and identified by a numbered marginal bar on the right hand side of the affected text.

Variations to IEC 60969:1988 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**).

As this Standard is reproduced from an International Standard, the following applies:

- (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.

The term ‘normative’ has been used in this Standard to define the application of the annex to which it applies. A ‘normative’ annex is an integral part of a Standard.

The IEC Committee has decided that IEC 60969 is valid until 2003 beyond which period the publication is subject to review. In this context Committee EL-041 will review this Standard after the IEC review.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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SECTION ONE - GENERAL

1 Scope

This standard specifies the performance 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.

These performance requirements are additional to the requirements in ~~IEC Publication 60968~~ AS/NZS 60968.

2 Definitions**2.1 Self-ballasted lamp**

A unit which cannot be dismantled without being permanently damaged, provided with a lamp cap and incorporating a light source and any additional elements necessary for starting and stable operation of the light source.

IEC 1

2.2 Type

Lamps that, independent of the type of cap or base, are identical in photometric and electrical rating.

2.3 Rated voltage

The voltage or voltage range marked on the lamp.

2.4 Test voltage

The voltage at which tests are carried out.