

Australian/New Zealand Standard™

**Auxiliaries for lamps—Starting devices
(other than glow starters)—Performance
requirements (IEC 60927, Ed.2.2 (2004)
MOD)**



AS/NZS 60927:2005

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 31 August 2005 and on behalf of the Council of Standards New Zealand on 30 September 2005.
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Association of Consulting Engineers Australia
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Certification Interests (New Zealand)
Consumers' Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
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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 performance requirements for starting devices (other than glow starters).

This Standard is an adoption with national modifications and has been reproduced from IEC 60927, Ed.2.2 (2004), *Auxiliaries for lamps—Starting devices (other than glow starters)—Performance requirements*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 60927, Ed.2.2 (2004) are indicated at the appropriate places throughout this standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures 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.

The important variation for Australian/New Zealand conditions is that ‘all ballasts specified in the Standard shall comply with the requirements of relevant Parts of AS/NZS 61347’ instead of the requirements of IEC 60926.

Each Standard in Part 2 of 61347 is intended to be used in conjunction with Part 1 in order to provide a complete Standard for that specific type of control gear. Where a particular clause of Part 1 is not mentioned in Part 2, that clause applies as far as is reasonable. Where Part 2 states ‘addition’, ‘modification’ or ‘replacement’, the relevant requirements in Part 1 are adapted accordingly. It is to be noted that some parts of the AS/NZS 61347 series differ from parts of IEC 61347 and hence equipment that conforms to the IEC standard may not comply with its AS/NZS counterpart.

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 ‘IEC 60927’ should read ‘AS/NZS 60927’ as applicable.
- (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 terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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Australian/New Zealand Standard**Auxiliaries for lamps—Starting devices (other than glow starters)—
Performance requirements (IEC 60927, Ed.2.2 (2004) MOD)****Section 1: General requirements****1 Scope**

This standard specifies performance requirements for starting devices (starters and ignitors) for tubular fluorescent and other discharge lamps for use on a.c. supplies up to 1000 V at 50 Hz or 60 Hz, which produce starting pulses not greater than 5 kV. It should be read in conjunction with **AS/NZS 61347.1** and **AS/NZS 61347.2.1**.

NOTE 1 – All glow starters for fluorescent and other discharge lamps including thermal relay/cut-outs will be included in IEC 60155.

NOTE 2 – There are regional standards regarding the regulation of EMC requirements for end-products like luminaires and independent control gear. In a luminaire, the control gear is dominant in this respect. Control gear, together with other components, should comply with these standards.

1.1 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60081, Tubular fluorescent lamps for general lighting service~~

AS/NZS 4782.1, Double-capped fluorescent lamps—Performance specifications—General

~~IEC 60155, Starters for tubular fluorescent lamps~~

AS/NZS 60155, Glow-starters for fluorescent lamps

IEC 60192, Low pressure sodium vapour lamps

~~IEC 60598-1:1996, Luminaires—Part 1: General requirements and tests—
Amendment 1 (1993)~~

AS/NZS 60598.1, Luminaires—General requirements and tests

IEC 60662, High pressure sodium vapour lamps