

AS 61347.2.13:2018

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Australian Standard[®]

Lamp controlgear

**Part 2.13: Particular requirements for
d.c. or a.c. supplied electronic
controlgear for LED modules
(IEC 61347-2-13:2016 (ED.2.1) MOD)**



This Australian Standard® was prepared by Committee EL-041, Lamps and Related Equipment. It was approved on behalf of the Council of Standards Australia on 9 August 2018.

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The following are represented on Committee EL-041:

- Australian Industry Group
- Consumers Federation of Australia
- Department of the Environment and Energy (Australian Government)
- Electrical Compliance Testing Association
- Electrical Regulatory Authorities Council
- IES: The Lighting Society
- Joint Accreditation System of Australia and New Zealand
- Lighting Council Australia
- Masters Electricians
- NSW Fair Trading

Additional Interests

- Australasian Fire and Emergency Service Authorities Council
 - Independent Pricing and Regulatory Tribunal
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Part 2.13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13:2016 (ED.2.1) MOD)

Originated as AS/NZS IEC 61347.2.13:2013.
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PREFACE

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and related equipment, to supersede AS/NZS IEC 61347.2.13:2013, *Lamp controlgear, Part 2.13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13, Ed.1.0 (2006) MOD)*.

AS/NZS IEC 61347.2.13:2013 will also remain current for six months after the date of publication of this Standard and after this time it will be superseded by AS 61347.2.13:2018. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements.

After consultation with stakeholders, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify particular minimum safety requirements for d.c. or a.c. supplied electronic controlgear associated with LED modules.

This Standard is an adoption with national modifications and has been reproduced from IEC 61347-2-13:2014+AMD1:2016 (ED 2.1), *Lamp controlgear, Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules*, and has been varied as indicated to take account of Australian conditions. The modifications are specified in Appendix ZZ.

This Standard is to be read in conjunction with AS/NZS 61347.1:2016, *Lamp controlgear, Part 1: General and safety requirements (IEC 61347-1:2015, MOD)*.

Significant technical changes to the IEC edition are listed in the IEC Foreword following the contents pages.

Variations made to IEC 61347-2-13:2016 form the Australian variations for the purpose of the IECEE CB Scheme for recognition of testing to standards for safety of electrical equipment (the CB Scheme). They are listed in Appendix ZZ.

This Standard is structured as follows:

- (a) Preface.
- (b) IEC 61347-2-13:2016 unedited from the list of contents to the Bibliography.
- (c) Appendix ZZ—(Australian) variations to the source document.

The variations listed in Appendix ZZ address issues including the following:

- (i) Clarifying requirements for controlgear with accessible outputs.
- (ii) Clarifying SELV limits.
- (iii) Specifying bridging capacitor requirements.
- (iv) Modifying compliance criteria for maximum working voltage in any load condition (Clause 21).

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

- (A) In the source text ‘this part of IEC 61347’ should read ‘this Australian Standard’.
- (B) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

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