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AS/NZS 61347.2.3:2016

Australian/New Zealand Standard™

# Lamp controlgear

# Part 2.3: Particular requirements for a.c. and/or d.c. supplied electronic controlgear for fluorescent lamps (IEC 61347-2-3, Ed.2.0 (2011) MOD)

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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 19 November 2015 and on behalf of the Council of Standards New Zealand on 11 December 2015.
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The following are represented on Committee EL-041:

Australian Industry Group
Consumers' Federation of Australia
Department of Industry
Electrical Compliance Testing Association
Electrical Contractors Association of New Zealand
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

*This Standard was issued in draft form for comment as DR AS/NZS 61347.2.3:2015.*

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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 on publication, AS/NZS 61347.2.3:2004, *Lamp controlgear*, Part 2.3 *Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps (IEC 61347-2-3:2000, MOD)*.

The significant revisions with respect to the first edition are as follows:

(a) Rectifying test conditions when dimming.

(b) Construction requirements.

(c) Measurement circuits and limits for HF leakage currents.

(d) Modification of the structure to become a Standard exclusively for a.c. and d.c. central supplied electronic controlgear for general lighting and Annex J cover centrally-supplied emergency controlgear.

The objective of this Standard is to specify particular minimum safety requirements for electronic controlgear to reduce the risk of electric shock and the fire hazard of such devices having given due consideration to requirements within International Standards and those specific to the Australian and New Zealand environmental and regulatory framework.

This Standard is an adoption with national modifications. It has been reproduced from IEC 61347-2-3, Ed. 2.0 (2011), *Lamp control gear*, Part 2-3: *Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps*, and has been varied as indicated to take account of Australian/New Zealand conditions.

The variations made to IEC 61347-2-3 Ed 2.0 (2011) are specified in Appendix ZZ. These form the Australian and New Zealand variations for the purpose of the IECEE CB Scheme for recognition of testing to standards for safety of electrical equipment.

This Standard is to be read in conjunction with AS/NZS 61347.1, *Lamp controlgear*, Part 1: *General and safety requirements (IEC 61347-1:20XX, MOD)*.

This Standard covers the essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to lamp controlgear, taken in conjunction with any other relevant requirements affecting safety.

This Standard is structured in the following layout:

(i) Preface (including Australian and New Zealand references).

(ii) IEC 61347-2-3, Ed. 2.0 (2011) (unedited from the contents page to the final Clause of the IEC Standard).

(iii) Appendix ZZ—Australian/New Zealand variations to the IEC Standard.

Appendix ZZ introduces marking requirements for Australia/New Zealand voltages.

In this standard, the following print types are used:

(A) Requirements proper: in roman type.

(B) *Test specifications: in italic type.*

(C) Explanatory matter: in smaller roman type.

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

(1) In the source text ‘this part of IEC 61347’ should read ‘this Australian/New Zealand Standard’.

(2) A full point substitutes for a comma when referring to a decimal marker.

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Unless otherwise indicated in Appendix ZZ, references to International Standards in this Standard should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

| *Reference to International Standard* | | *Australian/New Zealand Standard* | |
|---|---|---|---|
| IEC | | AS/NZS | |
| 61347 | Lamp controlgear | 61347 | Lamp controlgear |
| 61347-1 | Part 1: General and safety requirements | 61347.1 | Part 1: General and safety requirements (IEC 61347-1:2000, MOD) |

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 for information and guidance only.

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