



Lamp controlgear

Part 2.7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7:2017 (ED. 3.1) 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 28 May 2019. This Standard was published on 18 June 2019.

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 of Australia
 - Electrical Regulatory Authorities Council
 - IES: The Lighting Society
 - Joint Accreditation System of Australia and New Zealand
 - Lighting Council Australia
 - Master Electricians Australia
 - NSW Fair Trading
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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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AS 61347.2.7:2019

Australian Standard[®]

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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.

The objective of this Standard is to specify minimum safety requirements for battery supplied electronic controlgear for emergency lighting (self-contained), designed to be used with or incorporating electrical light sources on supply voltages not exceeding 250 V.

This Standard is an adoption with national modifications and has been reproduced from IEC 61347-2-7:2017 (ED. 3.1), *Lamp controlgear — Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)* and its Amendment 1 (2017). The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

Appendix ZZ lists the variations to IEC 61347-2-7 (ED. 3.1) for the application of this Standard in Australia.

This Standard is to be read in conjunction with AS/NZS 61347.1. This Part 2 supplements or modifies the corresponding clauses in AS/NZS 61347.1.

The essential safety requirements of AS/NZS 3820, *Essential safety requirements for electrical equipment*, which could be applicable to lighting products within the scope of AS 61347.2.7, are covered by AS 61347.2.7.

The IEC edition includes the following significant technical changes with respect to the previous edition:

- (a) Modification of IEC 61347-2-7 to become a standard exclusively for d.c. battery supplied electronic controlgear for emergency lighting (self-contained). IEC 61347-2-3 Annex J is intended to cover centrally supplied emergency controlgear.
- (b) Update of Clause 22 — Recharging devices.
- (c) Modification of Clause 20 battery voltage characterisation to support EBLF measurement.
NOTE: This to simplify and increase reproducibility of testing.
- (d) Rationalisation of requirements between IEC 61347-2-7 and IEC 60598-2-22 requirements of IEC 60598-2-22 being transferred to IEC 61347-2-7.

This Standard is structured as follows:

- (i) Preface.
- (ii) IEC 61347-2-7:2017 (ED. 3.1) unedited from the first clause to Bibliography.
- (iii) Appendix ZZ — Australian variations to the source document.

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

- (A) Modification of the requirements to include lithium battery technologies
- (B) Align requirements with AS/NZS 2293.3 and emergency lighting practices used in Australia and New Zealand.

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

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