

Australian/New Zealand Standard™

Luminaires

Part 2.12: Particular requirements— Mains socket-outlet mounted nightlights (IEC 60598-2-12, Ed 2.0 (2013) MOD)



AS/NZS 60598.2.12:2015

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 25 September 2015 and on behalf of the Council of Standards New Zealand on 18 September 2015. This Standard was published on 20 October 2015.

The following are represented on Committee EL-041:

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Consumers Federation of Australia
Department of Industry
Electrical Compliance Testing Association
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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, to supersede AS/NZS 60598.2.12:2013, 6 months from date of publication of this Standard. During this period both Standards will run in parallel. After 6 months from publication of this Standard, it is anticipated that AS/NZS 60598.2.12:2013 will be withdrawn.

The objective of this Standard is to specify particular minimum safety requirements for mains socket-outlet mounted nightlights to reduce the risk of electric shock or fire hazard of such devices.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-2-12, Ed. 2.0 (2013), *Luminaires*, Part 2-12: *Particular requirements—Mains socket-outlet mounted nightlights*, and has been varied to take account of Australian/New Zealand conditions. The modifications are specified in Appendix ZZ.

This Standard is to be read in conjunction with AS/NZS 60598.1, which specifies general requirements for luminaires.

The essential safety requirements in AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to nightlights are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

This Standard is structured in the following layout:

- (a) Preface (including Australian and New Zealand bibliography).
- (b) IEC 60598-2-12 (unedited from the Scope to the final Clause of the IEC Standard).
- (c) Appendix ZZ—Australian/New Zealand variations to the IEC Standard.

The variations described in Appendix ZZ 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 introduces the following in Appendix ZZ:

- (i) Guidance on determining child appealing nightlights.
- (ii) The prohibition of user accessible overcurrent fuses.
- (iii) The prohibition of socket-outlets on nightlights.
- (iv) Additional resistance to ignition requirements.
- (v) Requirements for two independent means of fixing of enclosures.

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

- (A) In the source text ‘this part of IEC 60598’ should read ‘this Australian/New Zealand Standard’.
- (B) A full point substitutes for a comma when referring to a decimal marker.

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:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS	
60598	Luminaires	60598	Luminaires
60598-1	Part 1: General requirements and tests	60598.1	Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) MOD)*

* Under revision at time of publication.

IEC		AS/NZS	
60950	Information technology equipment— Safety	60950	Information technology equipment— Safety
60950-1	Part 1: General requirements	60950.1	Part 1: General requirements (IEC 60950-1, Ed. 2.0 (2005), MOD)
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4-5	Part 4-5: Testing and measurement techniques—Surge immunity test	61000.4.5	Part 4.5: Testing and measurement techniques—Surge immunity test

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

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

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Luminaires

Part 2.12:

Particular requirements—Mains socket-outlet mounted nightlights (IEC 60598-2-12, Ed 2.0 (2013) MOD)

12.1 Scope

This part of IEC 60598 specifies requirements for mains socket-outlet mounted nightlights for use with electric light sources, on supply voltages not exceeding 250 V a.c. 50/60 Hz. It is to be read in conjunction with those sections of Part 1 to which reference is made.

NOTE This part does not cover luminaires for surveillance lighting.

12.2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC/TR 60083, *Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC*

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

IEC 60884-1, *Plugs and socket-outlets for household and similar purposes – Part 1: General requirements*

IEC 60950-1, *Information technology equipment – Safety – Part 1: General requirements*

IEC 61032:1997, *Protection of persons and equipment by enclosures – Probes for verification*

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 61000-4-5, *Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test*

12.3 General test requirements

The provisions of Section 0 of IEC 60598-1 apply. The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this part of IEC 60598.

Multiple functions products, e.g. night light and socket adaptor etc., shall be assessed against several standards for the appropriate function.

NOTE In Australia and New Zealand, the nightlight/socket-outlet combination is not permitted.

12.4 Definitions

For the purposes of this document, the definitions given in Section 1 of IEC 60598-1 and the following apply: