

Australian/New Zealand Standard™

Luminaires

Part 2.12: Particular requirements— Mains socket-outlet mounted nightlights



AS/NZS 60598.2.12:2013

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 15 March 2013 and on behalf of the Council of Standards New Zealand on 18 March 2013.

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The following are represented on Committee EL-041:

Australasian Fire and Emergency Service Authorities Council
Australian Industry Group
Certification Interests, New Zealand
Consumers' Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment. This Standard is the first edition of AS/NZS 60598.2.12 and it is applicable on publication.

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.1.0 (2006), *Luminaires—Part 2-12: Particular requirements—Mains socket-outlet mounted nightlights*, and IEC document 34A/1047/CDV, 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 60598.1:2003.

The essential safety requirements in AS/NZS 3820 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 contents page 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) The addition of additional resistance to ignition requirements.

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

- (A) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (B) In the source text 'IEC 60598-2-12' should read 'AS/NZS 60598.2.12'.
- (C) A full point substitutes for a comma when referring to a decimal marker.

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.

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
60884	Plugs and socket-outlets for household and similar purposes	3112	Approval and test specification—Plugs and socket-outlets
60884-1	Part 1: General requirements		
60950	Information technology equipment—Safety	60950	Information technology equipment—Safety
60950-1	Part 1: General requirements	60950.1	Part 1: General requirements

CONTENTS

12.1	General	5
12.2	General test requirements	5
12.3	Definitions	5
12.4	Classification of mains socket-outlet mounted nightlights	6
12.5	Marking	6
12.6	Construction	6
12.7	External and internal wiring	8
12.8	Provision for earthing	9
12.9	Protection against electric shock	9
12.10	Resistance to dust, solid objects and moisture	9
12.11	Insulation resistance and electric strength	9
12.12	Creepage distances and clearance	9
12.13	Endurance test and thermal test	9
12.14	Resistance to heat, fire and tracking	10
12.15	Screw terminals	10
12.16	Screwless terminals and electrical connections	10

AUSTRALIAN/NEW ZEALAND STANDARD

Luminaires

Part 2.12:

Particular requirements—Mains socket-outlet mounted nightlights

12.1 General**12.1.1 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 section does not cover luminaires for surveillance lighting.

12.1.2 Normative references

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

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

IEC 60598-1:2003, *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*

12.2 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.

12.3 Definitions

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

12.3.1**mains socket-outlet mounted nightlight**

luminaire intended to provide a source of low-level illuminance in areas not normally illuminated at night.