

AS/NZS 60598.1:2003

AS/NZS 60598.1

Australian/New Zealand Standard™

Luminaires

**Part 1: General requirements and tests
(IEC 60598-1:2003, MOD)**

AS/NZS 60598.1:2003

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 17 July 2003 and on behalf of the Council of Standards New Zealand on 8 August 2003. It was published on 29 September 2003.

The following are represented on Committee EL-041:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Federation of Australia
Electrical Compliance Testing Association of Australia
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
Illuminating Engineering Society of Australia and 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 International or Standards New Zealand at the address shown on the back cover.

Australian/New Zealand Standard™

Luminaires

Part 1: General requirements and tests (IEC 60598-1:2003, MOD)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and related equipment.

The objective of this Standard is to provide the lighting industry with general safety requirements for luminaires with tests related to classification, marking, mechanical and electrical construction. This edition of AS/NZS 60598.1 will supersede AS/NZS 60598.1:2001 on publication.

This Standard is reproduced from the Lumex WG draft Edition 6 of IEC 60598.1, *Luminaires Part 1: General requirements and tests* as produced by SC34D and is varied to include the contents of 34D/755/CD and other national variations. The variations have been made for reasons of protection of human health and safety, a legitimate reason under the WTO agreement on Technical Barriers to Trade (TBT).

AS/NZS variations to draft Edition 6 of IEC 60598.1:2003 are identified separately. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (~~example~~). Added figures are not themselves shaded, but are identified by a shaded border. These changes are also included in a new Annex ZZ for easy reference.

A reference to an International Standard identified in the Normative References Clause by strikethrough (~~example~~) is replaced by a reference to the Australian or Australian/New Zealand Standard(s) listed immediately thereafter and identified by shading (~~example~~). Where the struck-through referenced document and the referenced Australian or Australian/New Zealand Standard are identical, this is indicated in parenthesis after the title of the latter.

This Standard is Part 1 of a series dealing with luminaires. Currently this series consists of the following Parts; additional Parts will be added from time to time:

AS/NZS 60598	Luminaires
Part 1:	General requirements and tests (this Standard)
Part 2.1:	Particular requirements—Fixed general purpose luminaires
Part 2.2	Particular requirements—Recessed luminaires
Part 2.4:	Particular requirements—Portable general purpose luminaires
Part 2.5	Particular requirements—Floodlights
Part 2.6:	Particular requirements—Luminaires with built-in transformers or converters for filament lamps
Part 2.8:	Particular requirements—Handlamps
Part 2.10:	Particular requirements—Portable child-appealing luminaires
Part 2.18:	Particular requirements—Luminaires for swimming pools and similar applications
Part 2.19	Particular requirements—Air handling luminaires (Safety requirements)
Part 2.20:	Particular requirements—Lighting chains
Part 2.23	Particular requirements—Extra low voltage lighting systems for filament lamps
Part 2.25	Particular requirements—Luminaires for use in clinical areas of hospitals and health care buildings

Each Standard in Part 2 is intended to be used in conjunction with Part 1 in order to provide a complete Standard for that specific type of luminaire. Where a particular clause of Part 1 is not

mentioned in Part 2, that clause applies as far as is reasonable. Where Part 2 states ‘addition’, ‘modification’ or ‘replacement’, the relevant requirements in Part 1 are adapted accordingly.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this standard’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

In this Standard, the following print types are used:

- requirements proper: in arial type;
- *test specifications: in italic type;*
- explanatory matter: in smaller arial type.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

Attention is drawn to Electromagnetic Compatibility (EMC) schemes introduced in their respective countries by the Australian Communications Authority (ACA) and the Ministry of Economic Development New Zealand (MED) to manage the use and performance of devices that either intentionally or unintentionally emit electromagnetic energy in the radiofrequency spectrum. Mandated Standards form an integral part of the EMC compliance schemes. Electrical lighting products fall within the scope of AS/NZS CISPR 15, *Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment*. AS/NZS CISPR 15 has been reproduced from CISPR 15 (same title) and some modifications have been made to reflect local conditions.

Information on EMC compliance for lighting equipment available on the Internet at <http://www.aca.gov.au/standards/emc/emc.htm> at <http://www.med.govt.nz/rsm>

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