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AS/NZS 60598.1:2013

Australian/New Zealand Standard™

# Luminaires

## Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) 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 11 October 2013 and on behalf of the Council of Standards New Zealand on 17 October 2013.
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The following are represented on Committee EL-041:

Australasian Fire and Emergency Service Authorities Council
Australian Industry Group
Consumers Federation of Australia
Department of Industry
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
Fair Trading NSW
IES: The Lighting Society
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Lighting Council Australia
Lighting Council New Zealand
Ministry of Business, Innovation and Employment, New Zealand
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*This Standard was issued in draft form for comment as DR AS/NZS IEC 60598.1.*

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# Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) MOD)

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NOTES

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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 60598.1:2003, *Luminaires*, Part 1: *General requirements and tests (IEC 60598-1:2003, MOD)*.

The objective of this Standard is to specify general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. The requirements and related tests of this Standard cover: classification, marking, mechanical construction and electrical construction.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-1, Ed. 7.0 (2008), *Luminaires*, Part 1: *General requirements and tests* and its Corrigenda 1 (2011) and 2 (2011) which have been incorporated into the source text. The source document has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are specified in Appendix ZZ.

This Standard is structured in the following layout:

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

(b) IEC 60598-1 (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 in Appendix ZZ include the following:

(i) Clarifying that the Standard includes LED light sources within its scope.

(ii) Testing requirements for 240 V supply.

(iii) Requirements for capacitors.

(iv) Details of means of connection to supply.

(v) Assessment for access to live parts.

(vi) Resistance to fire tests.

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

The variations described in Appendix ZZ form the Australian and New Zealand variations for the purposes of the IECEE CB Scheme for the recognition of testing to standards for safety of electrical equipment.

In this Standard, the following print types are used:

— requirements: in roman type;

— *test specifications: in italic type*;

— notes: in small roman type.

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

(A) In the source text, 'this Part 1 of International Standard IEC 60598' should read 'this Australian/New Zealand Standard'.

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

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