

Australian/New Zealand Standard™

Luminaires

Part 2.4: Particular requirements— Portable general purpose luminaires (IEC 60598-2-4, Ed. 2.0 (1997) MOD)



AS/NZS 60598.2.4:2005

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 7 September 2005 and on behalf of the Council of Standards New Zealand on 30 September 2005.
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The following are represented on Committee EL-041:

Australian Electrical and Electronic Manufacturers Association
Certification Interests (New Zealand)
Consumers' Federation of Australia
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
IES: The Lighting Society
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This Standard was issued in draft form for comment as DR 05267.

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 60598.2.4:2005

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(IEC 60598-2-4, Ed. 2.0 (1997) MOD)**

RECONFIRMATION NOTICE

Technical Committee EL-041 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 22 July 2015.

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NOTES

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Originated as AS/NZS 60598.2.4:1998 (in part) and AS/NZS 3128 (in part).
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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—

- (a) AS/NZS 60598.2.4:1998, on publication; and
- (b) AS/NZS 3128:1998, *Approval and test specification—Portable lamp standards and brackets*, on 1 January 2007.

Until 1 January 2007, both Standards will remain current.

The objective of this Standard is to specify minimum safety requirements for portable general purpose luminaires, other than handlamps and portable child appealing luminaires, for use on supply voltages not exceeding 250 V.

This Standard incorporates Amendment No. 1 (November 2007). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-2-4, Ed. 2.0 (1997), *Luminaires, Part 2: Particular requirements, Section 4: Portable general purpose luminaires*, and has been varied as indicated to take account of Australian/New Zealand conditions.

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Amendment 1 to this Standard applies on the date of publication.

The new Annex ZA in this amendment will be reviewed 2 years from the date of publication.

This Standard is Part 2.4 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
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 (this Standard)
Part 2.5	Particular requirements—Floodlights
Part 2.6:	Particular requirements—Luminaires with built-in transformers or converters for filament lamps
Part 2.7:	Particular requirements—Portable luminaires for garden use
Part 2.8:	Particular requirements—Handlamps
Part 2.10:	Particular requirements—Portable child-appealing luminaires
Part 2.17:	Particular requirements—Luminaires for stage lighting, television, film and photographic studios (outdoor and indoor)
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 2.22	Particular requirements—Luminaires for emergency lighting
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:

- (i) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (ii) In the source text 'IEC 60598' should read 'AS/NZS 60598'.
- (iii) A full point should be substituted for a comma when referring to a decimal marker.

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Australian/New Zealand Standard**Luminaires****Part 2.4: Particular requirements—Portable general purpose luminaires
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Any table, figure or text of the international standard that is struck through is not part of this standard. Any Australian/New Zealand table, figure or text that is added is part of this standard and is identified by shading.

4.1 General**4.1.1 Scope**

This section of part 2 of IEC 60598 specifies requirements for portable general purpose luminaires, other than handlamps, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250 V. It is to be read in conjunction with those sections of part 1 to which reference is made.

This Standard does not cover portable child-appealing luminaires, for which requirements are set out in AS/NZS 60598.2.10.

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Luminaires—Particular requirements—Handlamps are covered in AS/NZS 60598.2.8.

Portable luminaires, designated as light fittings by the manufacturer or responsible vendor consistent with Annex ZA shall alternatively conform to the requirements of Annex ZA.

4.1.2 Normative reference

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 60598-2. At the time of publication, the edition indicated was valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 60598-2 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60529, Degrees of protection provided by enclosures (IP codes)~~

AS 60529, Degrees of protection provided by enclosures (IP Code)

~~IEC 60598-1, Luminaires—Part 1: General requirements and tests~~

AS/NZS 60598.1, Luminaires, Part 1: General requirements and tests

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AS/NZS 60598.2.8, Luminaires, Part 2.8: Particular requirements—Handlamps.

AS/NZS 60598.2.10, Luminaires, Part 2.10: Particular requirements—Portable child-appealing luminaires