

Australian/New Zealand Standard™

Luminaires

**Part 2.2: Particular requirements—
Recessed luminaires
(IEC 60598-2-2:1996, MOD)**



Standards Australia



STANDARDS
NEW ZEALAND
Te Kaitiaki Take Kōwhiri

AS/NZS 60598.2.2:2001

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 September 2001 and on behalf of the Council of Standards New Zealand on 12 October 2001. It was published on 29 November 2001.

The following interests are represented on Committee EL-041:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumers Federation of Australia
Electrical Compliance Testing Association of Australia
Energy Efficiency and Conservation Authority of New Zealand
Illuminating Engineering Society of Australia and New Zealand
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First published as AS/NZS 60598.2.2:2001

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 4148 7

PREFACE

This Standard was prepared by Standards Australia/Standards New Zealand Committee, EL-041 Lamps and Related Equipment.

The objective of this Standard is to provide manufacturers, users and regulators with electrical safety requirements for recessed luminaires.

This Standard is reproduced from IEC 60598-2-2:1996, *Luminaires, Part 2: Particular requirements—Section 2: Recessed luminaires*. It includes its Amendment 1:1997 and has been varied as indicated to take account of Australian/New Zealand conditions.

Amendment 1:1997 to IEC 60598-2-2 is incorporated in this document and identified by a marginal bar on the right hand side of the page.

While this document is reproduced from IEC 60598.2.2 there are Australian and New Zealand variations in AS/NZS 60598.1:2001 to which this Standard refers for the majority of its requirements. Thus an item complying with IEC 60598.2.2:1998 may not comply with AS/NZS 60598.2.2:2001.

Australian and New Zealand variations to IEC 60598-2-2:1996 are indicated at the appropriate places throughout this Standard. Strikethrough—(example) identifies IEC text, tables and figures which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand 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.

This Standard is a section of Part 2 of a series dealing with luminaires. It is part of a series which, when complete, will consist of the following:

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 (this Standard)
Part 2.3:	Particular requirements—Luminaires for road and street lighting
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 convertors 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—Airhandling 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.

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 International Standard’ should read ‘this Standards Australia/Standards New Zealand Standard’.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

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Any IEC table, figure or passage of text that is struck-through is not part of this Standard. Any Standards Australia/Standards New Zealand table, figure or passage of text that is added (and identified by shading) is part of this Standard.

2.1 Scope

This section of ~~IEC 60598-2~~ **AS/NZS 60598.2** specifies requirements for recessed luminaires for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltage not exceeding 1 000 V. This section does not cover air-handling luminaires. This section does not apply to air-handling or liquid-cooled luminaires.

2.1.1 Normative references

The following normative documents contains provisions which, through reference in this text, constitute provisions of this section of ~~IEC 60598-2~~ **AS/NZS 60598.2**. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of ~~IEC 60598-2~~ **AS/NZS 60598.2** are encouraged to investigate the possibility of applying the most recent editions of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60227: *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245: *Rubber insulated cables of rated voltages up to and including 450/750 V*

AS/NZS 60598.1, Luminaires— General requirements and tests

2.2 General test requirements

The provisions of section 0 of ~~IEC 60598-1~~ **AS/NZS 60598.1** apply. The tests described in each appropriate section of part 1 shall be carried out in the order listed in this section of part 2.

A procedure for measuring ambient temperature in an installation is given in annex A.

2.3 Definitions

For the purposes of this section, the definitions of section 1 of ~~IEC 60598-1~~ **AS/NZS 60598.1** apply.