

Australian/New Zealand Standard™

Luminaires

**Part 2.25: Particular requirements—
Luminaires for use in clinical areas
of hospitals and health care buildings
(IEC 60598.2.25:1994 MOD)**



Standards Australia



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Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
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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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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 the industry, users and regulators with requirements for luminaires for uses with tungsten filament, fluorescent and other discharge lamps on supply voltages up to 1000V for use in clinical areas, in which medical examination and care takes place.

This Standard is reproduced from, IEC 60598-2-25:1994, *Luminaires, Part 2: Particular requirements—Section 25: Luminaires for use in clinical areas of hospitals and health care buildings*, and has been varied as indicated to take account of Australian/New Zealand conditions.

While this document is reproduced from the IEC counterpart, there are Australian/New Zealand variations in AS/NZS 60598.1:2001 to which this Standard refers for its requirements. Thus an item complying with IEC 60598.2.25 may not comply with AS/NZS 60598.2.25.

Australian/New Zealand variations to IEC 60598-2-25:1994 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text 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.

A reference to an International Standard identified in the Normative Reference Clause by ~~example~~ is replaced by a reference to the Standards Australia/Standards 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 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
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 (this Standard).

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'.

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.

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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.

25.1 General

25.1.1 Scope

This section of ~~IEC 60598-2~~ **AS/NZS 60598.2** details specific requirements for luminaires for use with tungsten filament, fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V for use in clinical areas in which medical treatment, examination and medical care takes place in hospitals and health care buildings.

This standard does not apply to medical electrical equipment, as defined in 2.2.15 of ~~IEC 60601-1~~ **AS/NZS 3200.1**, containing a light source.

NOTE 1 - Subclause 2.2.15 of ~~IEC 60601-1~~ **AS/NZS 3200.1** states: Electrical equipment, provided with not more than one connection to a particular supply mains and intended to diagnose, treat, or monitor the patient under medical supervision and which makes physical or electrical contact with the patient and/or transfers energy to or from the patient and/or detects such energy transfer to or from the patient.

This standard does not apply to luminaires for emergency lighting and luminaires for general illumination in non-clinical areas (e.g. offices).

NOTE 2 - For these luminaire types, reference should be made to other sections of ~~IEC 60598-2~~ **AS/NZS 60598.2**

This standard does not apply to luminaires or parts of luminaires which are designed to be sterilized by the autoclave process and luminaires for operating tables.

25.1.2 Normative references

The following normative documents contain 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 documents 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 equivalent Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standards that is identical to the International Standard it replaces is appropriately identified.