

# Australian/New Zealand Standard™

## Luminaires

### Part 2.7: Particular requirements— Portable luminaires for garden use (IEC 60598-2-7, Ed. 1.0 (1982) MOD)



## **AS/NZS 60598.2.7:2005**

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 31 August 2005 and on behalf of the Council of Standards New Zealand on 30 September 2005.  
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Australian Electrical and Electronic Manufacturers Association  
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Electrical Compliance Testing Association of Australia  
Electrical Regulatory Authorities Council (Australia)  
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*This Standard was issued in draft form for comment as DR 05003.*

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**RECONFIRMATION**

**OF**

**AS/NZS 60598.2.7:2005**

**Luminaires**

**Part 2.7: Particular requirements—Portable luminaires for garden use  
(IEC 60598-2-7, Ed. 1.0 (1982) MOD)**

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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

# Australian/New Zealand Standard™

## Luminaires

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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 particular requirements for portable luminaires for garden use.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-2-7, Ed. 1.0 (1982), *Luminaires Part 2: Particular requirements Section Seven—Portable luminaires for garden use*, and has been varied as indicated to take account of Australian/New Zealand conditions. Amendment 1:1987 and Amendment 2:1994 to IEC 60598-2-7 have been incorporated in the adoption.

Variations to IEC 60598-2-7, Ed. 1.0 (1982) 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 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 Part 2.7 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
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 (this Standard)
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. It is to be noted that some parts of the AS/NZS 60598 series differ from parts of IEC 60598 and hence equipment that conforms to the IEC standard may not comply with the corresponding AS/NZS counterpart.

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 parts of IEC 60598 should read as relevant parts of AS/NZS 60598 as applicable.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

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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.

**7.1 Scope**

This section of Part 2 of IEC 60598 specifies requirements for portable pedestal luminaires for use in places such as gardens and for portable luminaires for use in places such as flower beds, 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.

NOTE - In the source text 'IEC 60598' should read as relevant part of AS/NZS 60598 as applicable.

**7.2 General test requirements**

The provisions of Section 0 of IEC 60598-1, *Luminaires*, Part 1: *General requirements and tests*, 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.

**7.3 Definitions**

For the purposes of this section, the definitions of Section One of IEC 60598-1 apply.

**7.4 Classification of luminaires**

Luminaires shall be classified in accordance with the provisions of Section 2 of IEC 60598-1 together with the requirements of Clauses 7.4.1 and 7.4.2.

**7.4.1** According to the type of protection against electric shock, portable luminaires for garden use shall be classified as Class I, Class II or Class III.

**7.4.2** According to the degree of protection against dust and ingress of water moisture, portable luminaires for garden use shall be classified as spray rain-proof, splash-proof, jet-proof or waterproof-tight.

**7.5 Marking**

The provisions of Section 3 of IEC 60598-1 apply.

**7.5.1** The maximum power calculated from the maximum current rating of the supply cable shall be marked in close proximity to the mains socket-outlet(s), if incorporated in the luminaire.

**7.6 Construction**

The provisions of Section 4 of IEC 60598-1 apply, together with the requirements of Clauses 7.6.1 to 7.6.7.