

# Australian/New Zealand Standard™

## Luminaires

### **Part 2.9: Particular requirements— Photo and film luminaires (non- professional) (IEC 60598-2-9, Ed. 2.0 (1987) MOD)**



## **AS/NZS 60598.2.9:2006**

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 14 December 2005 and on behalf of the Council of Standards New Zealand on 21 December 2005.

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Australian Electrical and Electronic Manufacturers Association  
Australian Industry Group  
Certification Interests (New Zealand)  
Consumers' Federation of Australia  
Electrical Compliance Testing Association  
Electrical Regulatory Authorities Council  
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IES: The Lighting Society  
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*This Standard was issued in draft form for comment as DR 05001.*

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**

**OF**

**AS/NZS 60598.2.9:2006**

**Luminaires**

**Part 2.9: Particular requirements—Photo and film luminaires (non-professional)  
(IEC 60598-2-9, Ed. 2.0 (1987) 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 20 October 2015.

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## NOTES

# Australian/New Zealand Standard™

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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 photo and film luminaires.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-2-9, Ed. 2.0 (1987), *Luminaires - Part 2: Particular requirements Section Nine – Photo and film luminaires (non-professional)*. It includes Amendment 1:1993 and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 60598-2-9, Ed. 2.0 (1987) 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 2.9 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
Part 2.8:	Particular requirements—Handlamps
Part 2.9:	Particular requirements—Photo and film luminaires (non-professional) (this Standard)
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 and hence equipment that conforms to the IEC standard may not comply with its 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 'this part of IEC 60598' should read 'this part of AS/NZS 60598'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

The terms 'normative' and 'informative' are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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**9.1 Scope**

This section of Part 2 of IEC 60598 specifies requirements for photo and film luminaires (non-professional) for use with tungsten filament lamps on supply voltages not exceeding 250 V, including low-pressure tungsten halogen lamps specified in IEC 60357 with the reference 60537-IEC-3155 or unique lamp designation.

It is to be read in conjunction with those sections of Part 1 to which reference is made.

NOTE - In the source text 'IEC standard' should read as relevant AS/NZS standard as applicable. It applies to the other parts of 60598 series.

**9.2 General test requirements**

The provisions of Section 0 of IEC 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.

**9.3 Definitions**

For the purposes of this section, the definitions of Section One of IEC 60598-1 apply together with the following definitions:

- 1) Rated maximum operating time and rated minimum resting time:  
The maximum operating time and minimum resting time between operating periods at rated voltage assigned to the luminaire by the manufacturer.
- 2) Low-pressure tungsten halogen lamp:  
Tungsten halogen lamp having a working gas pressure below  $20^5$  Pa (1 bar).

NOTE 1 – In order to ensure non-interchangeability, the low-pressure lamps are longer than tungsten halogen photographic lamps having a working gas pressure above  $10^5$  Pa (1 bar).

NOTE 2 – The packaging of low-pressure lamps is provided with a marking indicating clearly that it contains one or more low-pressure tungsten halogen lamps.

**9.4 Classification of luminaires**

Luminaires shall be classified in accordance with the provisions of Section Two of IEC 60598-1, except that Class 0 is excluded.

**9.5 Marking**

The provisions and position of marking of Section Three of IEC 60598-1 apply together with the requirements of subclauses 9.5.1 to 9.5.5.