

Australian/New Zealand Standard™

Luminaires

**Part 2.8: Particular requirements—
Handlamps
(IEC 60598-2-8, Ed. 3.0 (2013) MOD)**



AS/NZS 60598.2.8:2015

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 September 2015 and on behalf of the Council of Standards New Zealand on 29 September 2015. This Standard was published on 15 October 2015.

The following are represented on Committee EL-041:

Australian Industry Group
Consumers Federation of Australia
Department of Industry
Electrical Compliance Testing Association
Electrical Contractors Association of New Zealand
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
Fair Trading NSW
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Part 2.8: Particular requirements— Handlamps (IEC 60598-2-8, Ed. 3.0 (2013) MOD)

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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 AS/NZS 60598.2.8:2002, *Luminaires, Part 2.8: Particular requirements—Handlamps (IEC 60598-2-8:2001, MOD)* on publication.

The objective of this Standard is to specify particular requirements for handlamps.

This Standard is an adoption with national modifications; it has been reproduced from IEC 60598-2-8, Ed. 3.0 (2013), *Luminaires, Part 2.8: Particular requirements—Handlamps*. This Standard has been varied as indicated to take account of Australian/New Zealand conditions.

Variations made to IEC 60598-2-8, Ed. 3.0 (2013) form the Australian and New Zealand variations for the purpose of the IECEE CB Scheme for recognition of testing to standards for safety of electrical equipment (the CB Scheme). They are listed in Appendix ZZ.

The Standard is structured as follows:

- (a) Preface (including Australian and Australian/New Zealand references).
- (b) IEC 60598-2-8, Ed. 3.0 (2013), unedited from the contents page to the final clause of the IEC Standard.
- (c) Appendix ZZ—Australian/New Zealand variations to the IEC Standard.

The variations listed in Appendix ZZ address issues including the following:

- (i) Clarifying that the standard excludes Portable outlet devices covered in AS/NZS 3105, *Approval and test specification—Electrical portable outlet devices*.
- (ii) Allowing for the use of an inlet plug in accordance with AS/NZS 3120, *Approval and test specification—Cord extension sockets*.
- (iii) Different requirements for flexible cables or cords.

This Standard is intended to be read in conjunction with AS/NZS 60598.1, which specifies general requirements for luminaires.

The essential safety requirements of AS/NZS 3820, *Essential safety requirements for electrical equipment*, that could be applicable to handlamps are covered by this Standard, taken in conjunction with any other relevant requirements affecting safety.

As this Standard is reproduced from an International Standard, the following applies:

- (A) In the source text ‘this part of the IEC 60598 series’ should read ‘this Australian/New Zealand Standard’.
- (B) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian/New Zealand Standard</i>
IEC	AS/NZS
60227 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	60227 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
60227-5 Part 5: Flexible cables (cords)	60227.5 Part 5: Flexible cables (cords)
60245 Rubber insulated cables—Rated voltages up to and including 450/750 V	60245 Rubber insulated cables—Rated voltage up to and including 450/750 V
60245-4 Part 4: Cords and flexible cables	60245.4 Part 4: Cords and flexible cables

IEC	AS/NZS
60598 Luminaires	60598 Luminaires
60598-1 Part 1: General requirements and tests	60598.1 Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) (MOD))*

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

* Under revision at time of publication.

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AUSTRALIAN/NEW ZEALAND STANDARD

Luminaires

Part 2.8:

Particular requirements—Handlamps (IEC 60598-2-8, Ed. 3.0 (2013) MOD)

8.1 Scope

This part of the IEC 60598 series specifies requirements for handlamps and similar portable luminaires which are held in the hand, hooked up or resting on a surface for use with electric light sources 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.

Handlamps which can be fixed to a support by means of a wing screw, clip or magnet, and luminaires intended for inspection of the interior of barrels, are within the scope of this part of IEC 60598.

8.2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60227 (all parts) *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

8.3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60598-1, as well as the following apply.

8.3.1**handlamp**

luminaire with a handle and a flexible cable or cord, intended to be moved frequently while connected to the supply

8.3.2**rewirable handlamp**

handlamp with a type X or Y attachment

8.3.3**non-rewirable handlamp**

handlamp with a type Z attachment