

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 60598.2.4:2005
Luminaires
Particular requirements—Portable general purpose luminaires
(IEC 60598-2-4, Ed. 2.0 (1997) MOD)

REVISED TEXT

The 2005 edition of AS/NZS 60598.2.4 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Preface, Clauses 4.1.1 and 4.1.2 and Annex ZA.

Published on 13 November 2007.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 31 August 2007.

Page ii Preface

Add the following new paragraphs after the paragraph commencing ‘This Standard is an adoption’:

Amendment 1 to this Standard applies on the date of publication.

The new Annex ZA in this amendment will be reviewed 2 years from the date of publication.

Page 1 Clause 4.1.1

Add the following new paragraphs:

Luminaires—Particular requirements—Handlamps are covered in AS/NZS 60598.2.8.

Portable luminaires, designated as light fittings by the manufacturer or responsible vendor consistent with Annex ZA shall alternatively conform to the requirements of Annex ZA.

Page 1 Clause 4.1.2

Add reference:

AS/NZS 60598.2.8, *Luminaires, Part 2.8: Particular requirements—Handlamps*.

Page 5 Annex ZA

Add the following new Annex.

Annex ZA
(normative)

Requirements for portable luminaires (light fittings)

ZA.1 General

This Annex applies only to a portable luminaire, in which the supply flexible cord (including any associated cord line switch) is terminated to a single lampholder that is

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mounted on a non-flexible, non-articulated stem in which the cord may be enclosed, that—

- (a) may include a suite of components that comply with the relevant Standards such as Edison screw lampholder to accommodate screw cap of 14 mm or 27 mm nominal outside diameter or bayonet cap lampholder that accommodates a lamp with a bayonet cap of 15 mm or 22 mm nominal diameter, a cord line switch, supply flexible cord and plug; and
- (b) is for use with tungsten filament lamps or self ballasted compact fluorescent lamps; and
- (c) is of the ordinary type for indoor use only; and
- (d) does not include a transformer; and
- (e) does not include dimmer or touch controls.

Portable luminaires of type covered in AS/NZS 60598.2.8 and 60598.2.10 are not subject to the requirements of this Annex.

ZA.2 Application

ZA.2.1 Specific requirements of this Annex

A light fitting shall be deemed to comply with this Standard only if it complies with all the requirements of this Annex and passes the test specified herein.

ZA.2.2 Requirements of other Standards

Equipment and components incorporated in a light fitting, which are safety dependant, shall comply with the appropriate requirements of any relevant Approval and test specification, unless such requirements are varied herein.

NOTE - In Australia, certain equipment are subject to government regulation and require appropriate certification prior to sale.

ZA.3 Referenced documents

The following documents are referred to in this Annex:

AS/NZS

3100:2002	<i>Approval and test specification—General requirements for electrical equipment</i>
3117	<i>Approval and test specification—Bayonet lampholders</i>
3140	<i>Approval and test specification—Edison-type screw lampholders</i>
3191	<i>Electric flexible cords</i>
60227.5	<i>Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V, Part 5: Flexible cables (cords)</i>
60238	<i>Edison screw lampholders (IEC 60238, Ed 2.0 (1997) MOD)</i>
60245.4	<i>Rubber insulated cables—Rated voltage up to and including 450/750 V, Part 4: Cords and flexible cables</i>
61184	<i>Bayonet lampholders (IEC 61184, Ed 200 (1997) MOD)</i>

ZA.4 Design and construction

The light fitting shall comply, where appropriate, with the following requirements:

- (a) There shall be adequate provision, with or without the use of tools, for the replacement of lamps, replacement or general cleaning of optical components (such as diffusers or reflectors) without exposing live parts or unearthed exposed metal parts to personal contact.
- (b) Where necessary, to ensure continued safe use, metal parts shall be inherently non-corrosive, protected against corrosion or suitable for the purpose.

Protection against electric shock shall be maintained for all methods and positions of installation in normal use, having regard to the limitations indicated in the manufacturer's installation instructions. Protection shall be maintained after removal of all parts that can be removed by hand, except lamps and the following parts of the lampholders:

- (i) For bayonet lampholders—
 - domes (terminal covers); and
 - skirts.
- (ii) For Edison screw lampholders
 - domes (terminal covers) for cord-grip types only; and
 - outer shells.

ZA.5 Means of connection

The light fitting shall be provided with a supply cord that has Type X/Y/Z attachment as defined in AS/NZS 3100. The flexible cord may be terminated in a light fitting at the terminals of a lampholder with a screw-on cover.

ZA.6 Flexible cord and connecting plug

Light fitting shall be provided with a supply flexible cord and connecting plug.

Any flexible cord provided with a light fitting for the purpose of connecting it to the supply shall—

- (a) be of a type complying with AS/NZS 3191 or AS/NZS 60227.5 or AS/NZS 60245.4 and not inferior to either unprotected parallel-webbed two-core flat, braided, uninkable or a light duty sheathed type for indoor light fittings; and
- (b) be wired in accordance with the appropriate requirements of Clause 4.4 of AS/NZS 3100:2002.

ZA.7 Provision for earthing

If the light fitting has any exposed metal parts (see Clause 2.1.23 of AS/NZS 3100:2002), provision for earthing shall be provided for such parts.

NOTE - A metal shade intended to clip on to a lamp is not regarded as exposed metal for the purpose of this Clause.

ZA.8 Double insulation

A light fitting provided with double insulation shall comply with the relevant requirements of AS/NZS 3100:2002.

A sheathed flexible supply cord may be regarded as providing double insulation provided that the light fitting, if it is supplied with a Type X attachment, is marked legibly and indelibly with the following: