

Australian Standard[®]

**Incandescent lamps for general lighting
services**

**Part 2: Minimum Energy Performance
Standards (MEPS) requirements**



This Australian Standard® was prepared by Committee EL-041, Lamps and Related Equipment. It was approved on behalf of the Council of Standards Australia on 25 February 2011.

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The following are represented on Committee EL-041:

- Consumers Federation of Australia
 - Department of Climate Change and Energy Efficiency
 - Electrical Compliance Testing Association
 - Equipment Energy Efficiency Committee
 - Lighting Council of Australia
-

This Standard was issued in draft form for comment as DR 10031.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Incandescent lamps for general lighting services

Part 2: Minimum Energy Performance Standards (MEPS) requirements

Originated as AS/NZS 4934.2(Int):2008.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment, with contributions from the Subcommittee EL-041-08, Lamps and Lighting Equipment—Energy Performance.

After consideration with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify the Minimum Energy Performance Standards (MEPS) requirements for incandescent lamps and certain types of halogen lamps sold in Australia.

This Standard is Part 2 in a series. Part 1 is as follows:

AS/NZS

4934 Incandescent lamps for general lighting services

4934.1(Int) Part 1: Test methods—Energy performance

This series of Standards is published with the approval of the combined state and territory energy regulatory authorities in Australia. In Australia, the MEPS requirements for incandescent lamps are being introduced in stages from 2009 onwards. A technical report of the phase-out of incandescent lamps is available at www.energyrating.gov.au. A regulation was introduced in Australia in February 2009 banning the importation of GLS lamps not complying with AS/NZS 4934.2(Int):2008.

This Standard is effective from the date of publication.

The following table outlines the expected time frames in Australia only, as agreed by the Ministerial Council for Energy:

Products required to comply with this Standard	Enforcement date for sale
GLS tungsten filament	November 2009
ELV halogen non-reflector	
>40 W candle, fancy round and decorative tungsten filament lamps	October 2010
ELV halogen reflector	
Mains voltage halogen non-reflector	1 January 2011
Mains voltage reflector lamps including halogen (PAR, ER, R, etc.)	October 2012*
>25 W candle fancy round and decorative tungsten filament lamps	
Pilot lamps—25 W and below	Not currently regulated. To be determined based on availability of efficient replacement product

* Subject to review

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard**Incandescent lamps for general lighting services****Part 2: Minimum Energy Performance Standards (MEPS) requirements****1 SCOPE AND GENERAL****1.1 Scope****1.1.1 General**

This Standard specifies requirements for Minimum Energy Performance Standards (MEPS), maximum wattage and other requirements for incandescent lamps, both tungsten filament and tungsten halogen.

This Standard covers lamps as defined below that are supplied as individual lamps or as part of a luminaire.

Other lamps not listed in the Scope are excluded from the Standard and are not required to meet the Energy Performance Requirements.

1.1.2 GLS tungsten filament

These lamps have the following attributes:

- (a) Shapes: A50-A65, PS50-PS65, M50-M65, T50-T65 (as generally outlined in IEC 60630) or E50-E65.
- (b) Caps: E14, E26, E27, B15 or B22d.
- (c) Nominal voltage ≥ 220 V.
- (d) Nominal wattage < 150 W.
- (e) Not including coloured lamps, reflector lamps, crown-reflector lamps or lamps with a halogen gas fill.

1.1.3 ELV halogen non-reflector

These lamps have the following attributes:

- (a) Tungsten halogen lamp burner.
- (b) Shapes: single-ended capsule, non-reflector.
- (c) Caps: bi-pin.
- (d) Nominal voltage 5–14 V inclusive.
- (e) Not including coloured lamps, reflector lamps or crown-reflector lamps.

1.1.4 Candle tungsten filament

These lamps have the following attributes:

- (a) Shapes: candle or B (as generally outlined in IEC 60630) including twisted and bent-tip candle.
- (b) Caps: E14, E26, E27, B15 or B22d.
- (c) Nominal voltage > 220 V.
- (d) Not including coloured lamps, reflector lamps, crown-reflector lamps or lamps with a halogen gas fill.