

Australian/New Zealand Standard™

**Incandescent lamps—Safety  
specifications**

**Part 3: Tungsten-halogen lamps  
(non-vehicle)**



### **AS/NZS 60432.3:2007**

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 1 June 2007 and on behalf of the Council of Standards New Zealand on 4 May 2007.

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The following are represented on Committee EL-041:

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  
Energy Efficiency and Conservation Authority of New Zealand  
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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 specify requirements for tungsten-halogen lamps for photography, projection, floodlighting, stage lighting and other general purposes.

This Standard is identical with, and has been reproduced from IEC 60432-3, Ed. 1.1 (2005), *Incandescent lamps—Safety specifications—Part 3: Tungsten-halogen lamps (non-vehicle)*.

This Standard is Part 3 of a series which, when complete, will consist of the following:

AS/NZS

60432	Incandescent lamps—Safety specifications
60432.1	Part 1: Tungsten filament lamps for domestic and similar general lighting purposes
60432.2	Part 2: Tungsten-halogen lamps for domestic and similar general lighting purposes
60432.3	Part 3: Tungsten-halogen lamps (non-vehicle) (this Standard)

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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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NOTES

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**Australian/New Zealand Standard****Incandescent lamps—Safety specifications  
Part 3: Tungsten-halogen lamps (non-vehicle)**

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**1 General****1.1 Scope**

This part of IEC 60432 specifies the safety requirements for single-capped and double-capped tungsten-halogen lamps, having rated voltages of up to 250 V, used for the following applications:

- Projection (including cinematograph and still projection)
- Photographic (including studio)
- Floodlighting
- Special purpose
- General purpose
- Stage lighting

This International Standard does not apply to general purpose single-capped tungsten-halogen lamps, covered by IEC 60432-2, that are used as replacement for conventional tungsten filament lamps.

**1.2 Normative references**

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

References to international standards that are struck through in this clause are replaced by references to Australian or Australian/New Zealand Standards that are listed immediately thereafter and identified by shading. Any Australian or Australian/New Zealand Standard that is identical to the International Standard it replaces is identified as such.

~~IEC 60050-845:1987, *International Electrotechnical Vocabulary (IEV) — Chapter 845: Lighting*~~

AS 1852.845, *International electrotechnical vocabulary—Lighting* (identical to IEC 60050-845)

IEC 60061-1, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps*

IEC 60061-3, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges*

IEC 60061-4, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 4: Guidelines and general information*

IEC 60357, *Tungsten-halogen lamps (non-vehicle)*