

Australian/New Zealand Standard™

Lamp controlgear

**Part 2.2: Particular requirements for d.c.
or a.c. supplied electronic step-down
convertors for filament lamps
(IEC 61347-2-2:2000 MOD)**

AS/NZS 61347.2.2:2004

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 22 March 2004 and on behalf of the Council of Standards New Zealand on 2 April 2004. It was published on 17 May 2004.

The following are represented on Committee EL-041:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Consumer Federation of Australia
Electrical Compliance Testing Association of Australia
Electrical Regulatory authorities council (Australia)
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Part 2.2: Particular requirements for d.c. or a.c. supplied electronic step-down convertors for filament lamps (IEC 61347-2-2:2000 MOD)

Originated as AS/NZS 61046:2001.
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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 61046:2001 *Auxiliaries for lamps—D.C and A.C. supplied electronic step-down convertors for filament lamps—General and safety requirements*. This Standard will co-exist with AS/NZS 61046:2001 until 30 December 2006, on which date AS/NZS 61046:2001 will be withdrawn.

The objective of this Standard is to specify particular safety requirements for electronic step-down convertors associated with tungsten-halogen lamps and other filament lamps.

This Standard is an adoption with national modifications and has been reproduced from, IEC 61347-2-2:2000, *Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down convertors for filament lamps*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 61347-2-2:2000 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 a section of Part 2 of AS/NZS 61347 *Lamp controlgear*. Currently this Series consists of the following parts. Additional parts will be added from time to time.

AS/NZS

61347.1	Part 1: General and safety requirements
61347.2.1	Part 2.1: Particular requirements for starting devices (other than glow starters)
61347.2.2	Part 2.2: Particular requirements for d.c. or a.c. supplied electronic step-down convertors for filament lamps (this Standard)
61347.2.3	Part 2.3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps
61347.2.4	Part 2.4: Particular requirements for d.c. electronic ballasts for general lighting
61347.2.5	Part 2.5: Particular requirements for d.c. supplied electronic ballasts for public transport lighting
61347.2.6	Part 2.6: Particular requirements for d.c. supplied electronic ballasts for aircraft lighting
61347.2.8	Part 2.8: Particular requirements for ballasts for fluorescent lamps
61347.2.9	Part 2.9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)
61347.2.10	Part 2.10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes)
61347.2.11	Part 2.11: Particular requirements for miscellaneous electronic circuits used with luminaires

This Standard is to be read in conjunction with AS/NZS 61347.1.

It is to be noted that AS/NZS 61347.1 has variations from IEC and hence product complying with IEC 61347-1 may not comply with AS/NZS 61347.1.

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