

Australian/New Zealand Standard™

**Lamp controlgear**

**Part 2.11: Particular requirements for  
miscellaneous electronic circuits used  
with luminaires  
(IEC 61347-2-11:2001 MOD)**

### **AS/NZS 61347.2.11:2003**

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 12 June 2003 and on behalf of the Council of Standards New Zealand on 24 June 2003. It was published on 25 July 2003.

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The following are represented on Committee EL-041:

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Australian Electrical and Electronic Manufacturers Association  
Electrical Compliance Testing Association of Australia  
Energy Efficiency and Conservation Authority of New Zealand  
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**RECONFIRMATION**

**OF**

**AS/NZS 61347.2.11:2003**

**Lamp controlgear**

**Part 2.11: Particular requirements for miscellaneous electronic circuits used with  
luminaires (IEC 61347-2-11:2001 MOD)**

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Technical Committee EL-041 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 20 October 2015.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 4 November 2016.

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## NOTES

# Australian/New Zealand Standard™

## Lamp controlgear

### **Part 2.11: Particular requirements for miscellaneous electronic circuits used with luminaires (IEC 61347-2-11:2001 MOD)**

First published as AS/NZS 61347.2.11:2003.

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Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5428 7

## 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 provide the lighting industry with particular requirements for miscellaneous electronic circuits used with luminaires on supplies up to 1000 V a.c. and 250 V d.c. respectively.

This Standard is an adoption with national modifications and has been reproduced from IEC 61347-2-11:2001, *Lamp controlgear—Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires*, and has been varied as indicated to take account of Australian/New Zealand conditions.

Variations to IEC 61347-2-11:2001 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 a series dealing with Lamp controlgear. Currently this series consists of the following Parts; additional Parts will be added from time to time:

### AS/NZS

61347	Lamp controlgear
61347.1	Part 1: General and safety requirements
61347.2.1	Part 2.1: Particular requirements for starting devices (other than glow starters)
61347.2.4	Part 2.4: Particular requirements for d.c. supplied 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
61347.2.11	Part 2.11: Particular requirements for miscellaneous electronic circuits used with luminaires (this Standard)

Each Standard in Part 2 is intended to be used in conjunction with Part 1 in order to provide a complete Standard for that specific type of Lamp controlgear.

AS/NZS 61347.1, to which this Standard refers for its requirements, differs in some respect from IEC 61347-1. Therefore, controlgear complying with IEC 61347-1 may not comply with AS/NZS 61347.1.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) A full point should be substituted for a comma when referring to a decimal marker.

In this Standard, the following print types are used:

- requirements proper: in arial type;
- *test specifications*: in italic type;
- explanatory matter: in smaller arial type.

## CONTENTS

	<i>Page</i>
Introduction.....	iv
Clause	
1 Scope.....	1
2 Normative references .....	1
3 Definitions .....	1
4 General requirements .....	2
5 General notes on tests .....	2
5.1 Number of specimens.....	2
6 Classification.....	2
7 Marking .....	2
7.1 Mandatory marking.....	2
7.2 Information to be provided, if applicable .....	2
8 Protection against accidental contact with live parts .....	2
9 Terminals, cables and cords.....	3
10 Provisions for earthing.....	3
11 Moisture resistance and insulation.....	3
12 Electric strength .....	3
13 Thermal endurance for windings.....	3
14 Fault conditions .....	3
15 Construction .....	3
16 Creepage distances and clearances .....	3
17 Screws, current-carrying parts and connections.....	3
18 Resistance to heat, fire and tracking.....	3
19 Resistance to corrosion .....	3
20 Annexes .....	3

## INTRODUCTION

This first edition of AS/NZS 61347.2.11 is published in conjunction with AS/NZS 61347.1. This Standard represents an editorial review of IEC 60920. The formatting into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

This standard, and the parts which make up AS/NZS 61347.2, in referring to any of the clauses of AS/NZS 61347.1, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements, as necessary. All parts which make up AS/NZS 61347.2 are self-contained and, therefore, do not include references to each other.

Where the requirements of any of the clauses of AS/NZS 61347.1 are referred to in this standard by the phrase 'The requirements of clause n of AS/NZS 61347.1 apply', this phrase is interpreted as meaning that all requirements of the clause in question of part 1 apply, except any which are clearly inapplicable to the specific type of lamp controlgear covered by this particular part of AS/NZS 61347.2.

## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard****Lamp controlgear**  
**Part 2.11: Particular requirements for miscellaneous electronic circuits**  
**used with luminaires**  
**(IEC 61347-2-11:2001 MOD)**

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Any IEC table, figure or passage of text that is struck-through is not part of this Standard. Any Australian/New Zealand table, figure or passage of text that is added (and identified by shading) is part of this Standard.

**1 Scope**

This part of **AS/NZS 61347** specifies general and safety requirements for miscellaneous electronic circuits used with luminaires for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz and/or d.c. supplies up to 250 V. This part does not apply to circuits or devices for which specific IEC standards are published.

NOTE Examples of miscellaneous electronic circuits used with luminaires are

- electronic ballast control circuits;
- switching circuits used in association with daylight and/or presence sensors;
- circuits to assist EMC performance;
- intermittence and similar devices used with lighting chains;
- earth leakage or open-circuit protective devices used with neon transformers.

**2 Normative references**

For the purpose of this part of **AS/NZS 61347**, the normative references given in clause 2 of **AS/NZS 61347.1** which are mentioned in this Standard apply.

References to International Standards that are struck through in this Clause are replaced by references to equivalent 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 appropriately identified.

~~IEC 61347-1:2000, *Lamp controlgear – Part 1: General and safety requirements*~~

**AS/NZS 61347.1:2002, *Lamp controlgear, Part 1: General and safety requirements***

**3 Definitions**

For the purpose of this part of **AS/NZS 61347**, the definitions of clause 3 of **AS/NZS 61347.1** apply together with the following.

**3.1.1 3.1****miscellaneous electronic circuits used with luminaires**

electronic circuits for use with a luminaire. The circuit may assist the functioning of the lamp controlgear and/or provide additional functions for the luminaire such as switching or circuit monitoring

NOTE Electronic circuits covered by their own IEC standards are not included in this definition.