Share your feedback about this standard. Scan the QR code on your phone or click/ enter the link to take the survey feedback.standards.org.au/2293.3:2018

AS/NZS 2293.3:2018 (Incorporating Amendment No. 1)

## Australian/New Zealand Standard™

**Emergency lighting and exit signs for buildings** 

Part 3: Emergency luminaires and exit signs





#### AS/NZS 2293.3:2018

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee LG-007, Emergency Lighting in Buildings. It was approved on behalf of the Council of Standards Australia on 7 June 2018 and by the New Zealand Standards Approval Board on 3 April 2018.

This Standard was published on 29 June 2018.

The following are represented on Committee LG-007:

Australasian Fire and Emergency Service Authorities Council

Australian Building Codes Board

Australian Industry Group

Business New Zealand

**Electrical Trades Union** 

**Employers Chamber of Commerce Central** 

Engineers Australia

Fire Protection Association Australia

IES: The Lighting Society

Lighting Council Australia

Lighting Council New Zealand

Ministry of Business, Innovation and Employment, New Zealand

National Electrical and Communications Association

Property Council of Australia

Queensland University of Technology

University of Sydney

WorkSafe New Zealand

### Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Site at www.standards.org.au or Standards New Zealand web site at www.standards.govt.nz and looking up the relevant Standard in the online catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of Standards Australia or the New Zealand Standards Executive at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS 2293.3:2018.

AS/NZS 2293.3:2018 (Incorporating Amendment No. 1)

### Australian/New Zealand Standard™

## **Emergency lighting and exit signs for buildings**

# Part 3: Emergency luminaires and exit signs

Originated in Australia as part of AS 2293.1—1979.
Originated in New Zealand as part of NZS 6742:1971.
Previous New Zealand edition AS/NZS 2293.3:1995 (withdrawn without replacement).
Previous Australian edition AS 2293.3—2005.
Jointly revised and designated as AS/NZS 2293.3:2018.
Reissued incorporating Amendment No. 1 (May 2021).

#### **COPYRIGHT**

© Standards Australia Limited

© The Crown in right of New Zealand, administered by the New Zealand Standards Executive

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

### **PREFACE**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee LG-007, Emergency Lighting in Buildings, to supersede AS 2293.3—2005, Emergency escape lighting and exit signs for buildings, Part 3: Emergency escape luminaires and exit signs.

This Standard incorporates Amendment No. 1 (May 2021). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The AS/NZS 2293 series comprises three Parts as follows:

### AS/NZS

Α1

- Emergency lighting and exit signs for buildings
- 2293.1 Part 1: System design, installation and operation
- 2293.2 Part 2: Routine service and maintenance
- 2293.3 Part 3: Emergency luminaires and exit signs (this Standard)

The objective of the AS/NZS 2293 series of Standards is to provide those associated with the design, construction, installation, certification and maintenance of all the individual components of an emergency lighting and exit signage scheme, and the scheme as a whole, with the requirements and guidelines to provide an installation that will ensure an acceptable level of illumination to the nominated areas for the safe evacuation of occupants from those areas in an emergency situation.

The objective of this Standard is to provide designers, manufacturers and certifiers of emergency luminaires and exit signs with the relevant requirements for such products in order to facilitate the production of luminaires that will provide an acceptable level of emergency lighting to a space when installed to conform with AS/NZS 2293.1.

Changes in this edition of the Standard include the following:

- (a) Introduction of requirements for alternative light sources (i.e. LED) and allowance for the use of emerging battery technologies.
- (b) Inclusion of New Zealand requirements (for publication as AS/NZS Standard).
- (c) Updated references to new pictogram standards.
- (d) Added definition and requirements for dual function exit signs.
- (e) Replacement of AS 3137 with AS 60598.2.22.

Electronic files of all basic pictorial elements are grouped under the heading 'Image files for exit signs specified in AS/NZS 2293.3' and attached to this document as a CD Rom in the case of a paper copy of the Standard and as a zip file in the case of an electronic copy. These files reproduce the contents of Figure 3.1 in a form suitable for directly creating complying pictorial elements over a range of sizes. These files are provided as an assistance to the user only and do not form part of this Standard.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

### **CONTENTS**

		Page
SECTIO	ON 1 SCOPE AND GENERAL	
1.1	SCOPE	5
1.2	APPLICATION	
1.3	NORMATIVE REFERENCES	
1.4	DEFINITIONS	
QE QEL	ON A CENERAL REQUIREMENTS FOR EMERGENCY LUMBIA INC. AND	
SECTIONS	ON 2 GENERAL REQUIREMENTS FOR EMERGENCY LUMINAIRES AND	) EXII
2.1	APPLICATION AND CONFORMANCE	8
2.2	LUMINAIRE CLASSIFICATION	
2.3	SUITABILITY FOR OPERATING CONDTIONS	8
2.4	ILLUMINATION AT SWITCH ON	8
2.5	LIGHT SOURCES	9
2.6	CONVERSION PACKS	10
2.7	MARKING	10
SECTIO	ON 3 PARTICULAR REQUIREMENTS FOR EXIT SIGNS	
3.1	APPLICATION	12
3.2	TYPES OF EXIT SIGN	
3.3	APPEARANCE OF EXIT SIGN FACE	12
3.4	ILLUMINATION	18
3.5	MAXIMUM VIEWING DISTANCES	20
3.6	MARKING	20
SECTION	ON 4 PARTICULAR REQUIREMENTS FOR SELF-CONTAINED EMERGE	NCV
	AIRES AND EXIT SIGNS	
4.1	APPLICATION	
4.2	ARRANGEMENT AND CONTROL	
4.3	BATTERIES	
4.4	BATTERY CHARGERS	
4.5	SELF-CONTAINED AUTOMATIC DISCHARGE TESTING FACILITIES	
4.6	MARKING	25
SECTIO	ON 5 PARTICULAR REQUIREMENTS FOR CENTRALLY SUPPLIED	
	GENCY LUMINAIRES AND EXIT SIGNS	
5.1	APPLICATION	26
5.2	ARRANGEMENT AND CONTROL	26
5.3	MADKING	26



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation