

Australian Standard[®]

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

**Part 3: Emergency escape luminaires
and exit signs**



This Australian Standard® was prepared by Committee LG-007, Emergency Lighting in Buildings. It was approved on behalf of the Council of Standards Australia on 16 March 2005. This Standard was published on 12 May 2005.

The following are represented on Committee LG-007:

- Association of Consulting Engineers Australia
 - Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Electrical and Electronic Manufacturers Association
 - Building Industry Authority NZ
 - Business New Zealand
 - Department of Commerce (NSW)
 - IES: The Lighting Society
 - National Electrical and Communications Association
 - New Zealand Electrical Regulatory Authorities
 - Property Council of Australia
-

This Standard was issued in draft form for comment as DR 04317.

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.

Keeping Standards up-to-date

Australian Standards® are living documents that 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Standards may also be withdrawn.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 that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

Emergency escape lighting and exit signs for buildings

Part 3: Emergency escape luminaires and exit signs

First published in Australia as part of AS 2293.1—1979.
First published in New Zealand as part of NZS 6742:1971.
AS 2293.1—1987 and NZS 6742:1971 jointly revised and redesignated in part as AS/NZS 2293.3:1995.
Revised, de-jointed and re-designated as AS 2293.3—2005.
Reissued incorporating Amendment No. 1 (February 2010).
Reissued incorporating Amendment No. 2 (December 2012).

COPYRIGHT

© Standards Australia Limited

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.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 6644 7

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee LG-007, Emergency Lighting in Buildings, to supersede AS/NZS 2293.3:1995 *Emergency evacuation lighting for buildings, Part 3: Emergency luminaires and exit signs*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (February 2010) and Amendment No. 2 (December 2012). 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)

- 2293 Emergency escape lighting and exit signs for buildings
- 2293.1 Part 1: System design, installation and operation
- 2293.2 Part 2: Inspection and maintenance
- 2293.3 Part 3: Emergency escape luminaires and exit signs (this Standard)

The objective of the AS 2293 series of Standards is to provide all those associated with the design, construction, installation, certification and maintenance of all the individual components of an emergency escape 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 escape 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 escape lighting to a space when installed in compliance with AS 2293.1.

The principal reason for this edition of the Standard is to specify requirements for exit signs employing internationally accepted pictorial elements instead of the previously used word 'Exit'. Also, the basic terminology used to describe the subject matter of the Standard has been modified to be compatible with that used in IEC 60598-2-22 *Luminaires, Part 2-22: Particular requirements—Luminaires for emergency lighting*. The terminology now used, and reflected in the new series title, recognizes the term emergency lighting as including four categories of lighting, each provided with an alternative energy supply, as follows:

- (a) Emergency escape lighting.
- (b) Illuminated emergency exit signs.
- (c) High risk task area lighting.
- (d) Standby lighting.

Of these categories, items (a) and (b) are the newly adopted terms that refer to the two types of emergency lighting that are required by law in Australia and comprise the scope of the AS 2293 series of Standards. Items (c) and (d) are types of lighting that have a limited history in this country and which are not covered by this series of Standards.

This Standard incorporates the following significant changes from the previous edition:

- (i) Replacement of word 'exit' with pictorial element.

- (ii) As this Standard is not a joint Australian/New Zealand document, there is no content specific to New Zealand only.
- (iii) The adoption of terminology from IEC 60598-2-22.

Electronic files of all basic pictorial elements are grouped under the heading 'Image files for exit signs specified in AS 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. It should be noted these files are provided as an assistance to the user only and do not form part of this Standard.

It is anticipated that, within the life of this publication, the approval and test specification for luminaires – AS 3137, will be superseded and replaced by a new Standard designated AS/NZS 60598.2.22.

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.

This Standard distinguishes between documents cited as normative references and those referenced for information only. Those belonging to the former category are listed in the clause titled 'Normative references' while those of the latter type are listed in the bibliography.