



Luminaires

Part 2.22: Particular requirements— Luminaires for emergency lighting (IEC 60598-2-22:2017 (ED.4.1) MOD)



This Australian Standard® was prepared by Committee EL-041, Lamps and Related Equipment. It was approved on behalf of the Council of Standards Australia on 14 May 2019. This Standard was published on 25 June 2019.

The following are represented on Committee EL-041:

- Australian Industry Group
 - Consumers' Federation of Australia
 - Department of the Environment and Energy (Australian Government)
 - Electrical Compliance Testing Association of Australia
 - Electrical Regulatory Authorities Council
 - IES: The Lighting Society
 - Joint Accreditation System of Australia and New Zealand
 - Lighting Council Australia
 - Master Electricians Australia
 - NSW Fair Trading
-

This Standard was issued in draft form for comment as DR AS 60598.2.22:2018.

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Standards may also be withdrawn.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[®]

Luminaires

Part 2.22: Particular requirements— Luminaires for emergency lighting (IEC 60598-2-22:2017 (ED.4.1) MOD)

First published as AS/NZS 60598.2.22:2005.
Revised and redesignated as AS 60598.2.22:2019.

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.

ISBN 978 1 76072 482 5

This is a preview. [Click here to purchase the full publication.](#)

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment, to supersede AS/NZS 60598.2.22:2005.

AS/NZS 60598.2.22:2005, *Luminaires, Part 2.22: Particular requirements—Luminaires for emergency lighting (IEC 60598-2-22, Ed. 3.1 (2002) MOD)* will also remain current for 24 months from the date of publication of this Standard. After this time it will be superseded by AS 60598.2.22:2019. Regulatory authorities that reference this Standard in regulation may apply these requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify particular requirements for emergency lighting luminaires for use on emergency power supplies up to 1000 V.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-2-22:2017 (ED. 4.1), *Luminaires, Part 2-22: Particular requirements—Luminaires for emergency lighting*. The modifications set out in Appendix ZZ, ZA, and ZC are additional requirements, which have been added at the end of the source text.

The essential safety requirements of AS/NZS 3820, *Essential safety requirements for electrical equipment*, which could be applicable to lighting products within the scope of AS 60598.2.22, are covered by AS 60598.2.22.

Appendix ZZ lists the variations to IEC 60598-2-22:2017 (ED. 4.1) for the application of this Standard in Australia.

Appendix ZA specifies the batteries for emergency luminaires.

Appendix ZB provides classifications for emergency luminaires.

Appendix ZC specifies luminance measurements for illuminated emergency exit signage.

This Standard is intended to be read in conjunction with AS/NZS 60598.1, *Luminaires, Part 1: General requirements and tests (IEC 60598-1, ED.8.0 (2014), MOD)*.

The major changes in this edition are as follows:

- (a) Provisions for new battery types (Li-ion).
- (b) Improved alignment with performance requirements in AS/NZS 2293.3.
- (c) Additional emergency luminaire classifications.

This Standard is structured as follows:

- (i) Preface.
- (ii) IEC 60598-2-22:2017, (ED. 4.1), which incorporates Corrigenda 1 (2015) and 2 (2016) and Amendment No. 1 (2017) unedited from the first clause to the Bibliography.
- (iii) Appendix ZZ—Australian variations to the source document.
- (iv) Appendix ZA—Australian battery specifications for emergency luminaires.
- (v) Appendix ZB—Australian classifications for emergency luminaires.
- (vi) Appendix ZC—Australian luminance measurements for illuminated emergency exit signage.

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

- (A) In the source text ‘this part of IEC 60598’ should read ‘this Australian Standard’.
- (B) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms ‘normative’ and ‘informative’ are used in Standards to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.