

Australian/New Zealand Standard™

Luminaires

Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) MOD)



AS/NZS 60598.1:2013

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 11 October 2013 and on behalf of the Council of Standards New Zealand on 17 October 2013.

This Standard was published on 19 November 2013.

The following are represented on Committee EL-041:

Australasian Fire and Emergency Service Authorities Council
Australian Industry Group
Consumers Federation of Australia
Department of Industry
Electrical Compliance Testing Association
Electrical Regulatory Authorities Council
Energy Efficiency and Conservation Authority of New Zealand
Fair Trading NSW
IES: The Lighting Society
Institution of Professional Engineers New Zealand
International Accreditation New Zealand
Lighting Council Australia
Lighting Council New Zealand
Ministry of Business, Innovation and Employment, New Zealand
New Zealand Lighting Manufacturers and Suppliers

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 Standards may also be withdrawn.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 Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line 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 either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR AS/NZS IEC 60598.1.

AS/NZS 60598.1:2013

Australian/New Zealand Standard™

Luminaires

Part 1: General requirements and tests (IEC 60598-1, Ed. 7.0 (2008) MOD)

Originated as AS/NZS 60598.1:1998.
Previous edition 2003.
Fourth edition 2013.

COPYRIGHT

© Standards Australia Limited/Standards New Zealand

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).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 74342 624 1

NOTES

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment, to supersede AS/NZS 60598.1:2003, *Luminaires, Part 1: General requirements and tests (IEC 60598-1:2003, MOD)*.

The objective of this Standard is to specify general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. The requirements and related tests of this Standard cover: classification, marking, mechanical construction and electrical construction.

This Standard is an adoption with national modifications and has been reproduced from IEC 60598-1, Ed. 7.0 (2008), *Luminaires, Part 1: General requirements and tests* and its Corrigenda 1 (2011) and 2 (2011) which have been incorporated into the source text. The source document has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are specified in Appendix ZZ.

This Standard is structured in the following layout:

- (a) Preface (including Australian and New Zealand references).
- (b) IEC 60598-1 (unedited from the contents page to the final clause of the IEC Standard).
- (c) Appendix ZZ—Australian/New Zealand variations to the IEC Standard.

The variations in Appendix ZZ include the following:

- (i) Clarifying that the Standard includes LED light sources within its scope.
- (ii) Testing requirements for 240 V supply.
- (iii) Requirements for capacitors.
- (iv) Details of means of connection to supply.
- (v) Assessment for access to live parts.
- (vi) Resistance to fire tests.

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

The variations described in Appendix ZZ form the Australian and New Zealand variations for the purposes of the IECEE CB Scheme for the recognition of testing to standards for safety of electrical equipment.

In this Standard, the following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

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

- (A) In the source text, ‘this Part 1 of International Standard IEC 60598’ should read ‘this Australian/New Zealand Standard’.
- (B) A full point substitutes for a comma when referring to a decimal marker.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-