

Australian/New Zealand Standard™

Luminaires

Part 2.5: Particular requirements— Floodlights (IEC 60598-2-5:2015 (ED. 3.0), MOD)



AS/NZS 60598.2.5:2018

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 15 October 2018 and by the New Zealand Standards Approval Board on 6 November 2018.

This Standard was published on 21 December 2018.

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
- Lighting Council New Zealand
- Master Electricians Australia
- Worksafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS 60598.2.5:2018.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

www.standards.govt.nz

www.saiglobal.com (sales and distribution)

ISBN 978 1 76072 266 1

Australian/New Zealand Standard™

Luminaires

Part 2.5: Particular requirements— Floodlights (IEC 60598-2-5:2015 (ED. 3.0), MOD)

First published as AS/NZS 60598.2.5:2002.
Second edition 2018.

COPYRIGHT

© IEC — All rights reserved

© Standards Australia Limited/the Crown in right of New Zealand, administered by the New Zealand Standards Executive 2018

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 (Cth) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Pty Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, PO Box 121, Wellington 6140.

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment to supersede AS/NZS 60598.2.5:2002, *Luminaires — Part 2.5: Particular requirements — Floodlights* (IEC 60598.2.5:1998, MOD).

The objective of this Standard is to specify requirements for floodlights for use with electrical light sources on supply voltages not exceeding 1 000 V. This edition includes significant technical changes as it introduces requirements for the glass breaking test.

This Standard is an adoption with national modifications, and has been reproduced from, IEC 60598-2-5:2015 (ED. 3.0) *Luminaires — Part 2-5: Particular requirements — Floodlights*. Appendix ZZ lists the variations for the application of this Standard in Australia and New Zealand.

As this document has been reproduced from an International Standard, the following applies:

- (a) In the source text “this part of IEC 60598” should read “this Australian Standard or Australian/New Zealand 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 appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an ‘informative’ appendix or annex is only for information and guidance.

NOTES

CONTENTS

FOREWORD	3
INTRODUCTION	5
5.1 Scope	6
5.2 Normative references	6
5.3 Terms and definitions	6
5.4 Classification of luminaires	6
5.5 Marking	7
5.6 Construction	7
5.7 Creepage distances and clearances	10
5.8 Provision for earthing	10
5.9 Terminals	10
5.10 External and internal wiring	10
5.11 Protection against electric shock	10
5.12 Endurance tests and thermal tests	10
5.13 Resistance to dust and moisture	11
5.14 Insulation resistance and electric strength	11
5.15 Resistance to heat, fire and tracking	11
Annex A (informative) Schedule of amended clauses containing more serious/critical requirements which require products to be retested	12
Figure 1 – Counting particles at the edge of the square	9