

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

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- 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

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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.

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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.

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LUMINAIRES –**Part 2-5: Particular requirements – Floodlights****FOREWORD**

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International Standard IEC 60598-2-5 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This third edition cancels and replaces the second edition published in 1998, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: it introduces requirements for the glass breaking test.

The text of this standard is based on the following documents:

FDIS	Report on voting
34D/1172/FDIS	34D/1180/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be read in conjunction with IEC 60598-1: *Luminaires – Part 1: General requirements and tests*.

A list of all the parts in the IEC 60598 series, published under the general title *Luminaires* can be found on the IEC website.

NOTE In this standard, the following print types are used:

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

The mechanical stress on floodlights is similar to the mechanical stress on luminaires for road and street lighting. Because of this reason this standard contains an update to align the mechanical and breakage test requirements on flat and curved glass with IEC 60598-2-3.

LUMINAIRES –

Part 2-5: Particular requirements – Floodlights

5.1 Scope

This part of IEC 60598 specifies requirements for floodlights for use with electrical light sources on supply voltages not exceeding 1 000 V.

5.2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-75, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

IEC 62262, *Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)*

5.3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60598-1, as well as the following apply.

5.3.1

floodlighting

lighting of a scene or an object, usually by projectors, in order to increase considerably its illuminance relative to its surroundings

Note 1 to entry: The difference in illumination between the subject and its surroundings may, alternatively, be achieved by colour.

5.3.2

floodlight

luminaire for floodlighting

Note 1 to entry: A floodlight can be for either exterior or interior use or for both.

5.4 Classification of luminaires

Luminaires shall be classified in accordance with the provisions of Section 2 of IEC 60598-1. The provisions of Section 0 of IEC 60598-1 apply. The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this Part 2.