

AS/NZS 60598.1:2025



Australian/New Zealand Standard™

Luminaires

Part 1: General requirements and tests (IEC 60598-1:2020 (ED. 9.0) MOD)



AS/NZS 60598.1:2025

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-041, Lighting. It was approved on behalf of Standards Australia's Standards Development and Accreditation Committee on 7 February 2025 and by the New Zealand Standards Approval Board on 5 February 2025.

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The following are represented on Committee EL-041:

- Australian Industry Group
- Better Regulation Division (Fair Trading, SafeWork NSW, TestSafe)
- Consumer Electronics Suppliers Association
- Consumers Federation of Australia
- Department of Industry, Science and Resources
- Electrical Compliance Testing Association of Australia
- Electrical Regulatory Authorities Council, Australia
- Energy Efficiency Council
- IES: The Lighting Society
- Joint Accreditation System of Australia & New Zealand
- Lighting Council Australia
- Lighting Council New Zealand
- Master Electricians New Zealand
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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lighting Equipment, to supersede AS/NZS 60598.1:2017 and its amendments.

AS/NZS 60598.1:2017 and its amendments will remain current for 36 months after the date of publication of this document, and after this time it will be superseded by this document. Regulatory authorities that reference this document in regulation may apply these requirements at a different time. Users of this document should consult with these authorities to confirm their requirements.

The objective of this document 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 document cover classification, marking, mechanical construction and electrical construction.

This document is an adoption with national modifications and has been reproduced from IEC 60598-1:2020 (ED. 9.0), *Luminaires – Part 1: General requirements and tests*. The modifications are set out in national variations boxes which give instructions where the IEC text is to be modified for use in Australia and New Zealand. Due to IEC copyright policy it is not possible to directly modify the IEC content.

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- (a) Clauses 0.2, 0.4.2, 0.5, 0.5.5 (new), 0.5.6 (new), 1.2, 3.1, 3.2.8, 3.2.8.2, 3.2.12, 3.3, 3.3.26, 4.7.2, 4.8, 4.14.6, 4.32, 4.34, 4.36, 5.2.1, 5.2.2, 5.2.16, 5.2.18, 8.2.1, 9.2, 10.2, 12.4.2, 13.3 and D.3.
- (b) Tables 5.1, 10.3 and 12.1.
- (c) Bibliography.

For the purposes of the IECEE CB Scheme, these national variations will be published in the IECEE CB Bulletin.

The essential safety requirements of AS/NZS 3820, Essential safety requirements for electrical equipment, which could be applicable to luminaires within the scope of this document, are covered by this document.

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LUMINAIRES –
Part 1: General requirements and tests
INTERPRETATION SHEET 1

This interpretation sheet has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lighting.

The text of this interpretation sheet is based on the following documents:

DISH	Report on voting
34D/1697/DISH	34D/1702/RVDISH

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

Subclause 3.2.27

[Annex R](#) – Schedule of amended clauses and subclauses containing more serious/critical requirements which call for products to be retested

The requirements of Subclause 3.2.27, and consequently the relevant requirements related to Subclause 3.2.27 in [Annex R](#), are to be considered applicable only to luminaires with built-in or independent settable or programmable LED controlgear or incorporating a constant lighting output function. The requirements are not applicable to luminaires with built-in or independent controlgear having only a fixed output.

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