

INTERNATIONAL STANDARD

**Luminaires -
Part 2-1: Particular requirements - Fixed general purpose luminaires**



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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Luminares -
Part 2-1: Particular requirements -
Fixed general purpose luminaires**

FOREWORD

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IEC 60598-2-1 has been prepared by subcommittee 34D: Luminares, of IEC technical committee 34: Lighting. It is an International Standard.

This third edition cancels and replaces the second edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The clause numbers and structure have been aligned with those of IEC 60598-1.

The text of this International Standard is based on the following documents:

Draft	Report on voting
34D/1743/CDV	34D/1762/RVC

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

The language used for the development of this International Standard is English.

This document is to be used in conjunction with the latest edition of IEC 60598-1 and its amendment(s).

It was established on the basis of the tenth edition (2024) of that standard.

NOTE When "Part 1" is mentioned in this document, it refers to IEC 60598-1.

Where this document states "*addition*", "*modification*" or "*replacement*", the relevant text of Part 1 is to be adapted accordingly.

Subclauses additional to those in Part 1 are numbered starting from 101; supplementary annexes are entitled AAA, AAB, etc.

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

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

This part of IEC 60598 specifies requirements for fixed general purpose luminaires for use with electric light sources on supply voltages not exceeding 1 000 V.

2 Normative references

This clause of Part 1 applies with the following addition.

IEC 60598-1:2024, *Luminaires - Part 1: General requirements and tests*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in Part 1 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 General requirements

This clause of Part 1 applies with the following addition:

4.101 General

For assessment of luminaires already assessed in accordance with the previous edition of this document, full type testing is not necessary, and the product and the previous test results are reviewed only against any amended clauses listed in Annex AAA.

4.102 Sequence of clauses

The clauses referenced in this document shall be applied in the following order:

- 5 Classification of luminaires
- 6 Marking
- 7 Construction
- 13 Creepage distances and clearances
- 9 Provision for earthing
- 16 Screw terminals
- 17 Screwless terminals and electrical connections
- 8 External and internal wiring
- 10 Protection against electric shock
- 14 Endurance test and thermal test
- 11 Resistance to dust, solid objects and moisture
- 12 Insulation resistance and electric strength, touch current and protective conductor current
- 15 Resistance to heat, fire and tracking