

INTERNATIONAL STANDARD

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Edition 2.1
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Edition 2:1996 consolidated with amendment 1:1997

Luminaires –

Part 2-2: Particular requirements – Recessed luminaires

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LUMINAIRES –

**Part 2: Particular requirements –
Section 2: Recessed luminaires**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
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International Standard IEC 60598-2-2 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This consolidated version of IEC 60598-2-2 consists of the second edition of IEC 60598-2-2, published in 1996, and its Amendment 1 (1997).

This consolidation is based on the second edition and on documents 34D/428/FDIS and 34D/443/RVD.

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience.

It bears the edition number 2.1.

A vertical line in the margin shows the texts amended by amendment 1.

Annex A is for information only.

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

LUMINAIRES –

Part 2: Particular requirements –

Section 2: Recessed luminaires

2.1 Scope

This section of IEC 60598-2 specifies requirements for recessed luminaires for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltage not exceeding 1 000 V. This section does not cover air-handling luminaires. This section does not apply to air-handling or liquid-cooled luminaires.

2.1.1 Normative references

The following normative documents contains provisions which, through reference in this text, constitute provisions of this section of IEC 60598-2. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 60598-2 are encouraged to investigate the possibility of applying the most recent editions of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60227: *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245: *Rubber insulated cables of rated voltages up to and including 450/750 V*

2.2 General test requirements

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 section of part 2.

A procedure measuring ambient temperature in an installation is given in annex A.

2.3 Definitions

For the purposes of this section, the definitions of section 1 of IEC 60598-1 apply.

2.4 Classification of luminaires

Luminaires shall be classified in accordance with the provisions of section 2 of IEC 60598-1.

2.5 Marking

The provisions of section 3 of IEC 60598-1 apply, together with the following additional markings requirements:



2.5.1 Insulating ceiling F mark, symbol

Recessed luminaire suitable for mounting in normally flammable surfaces where thermal insulating material may cover the luminaire.