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IEC 62696, which is a technical report, has been prepared by 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
34D/965/DTR	34D/1001/RVC

Full information on the voting for the approval of this technical report 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.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site 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- withdrawn,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.

A bilingual version may be issued at a later date.

INTRODUCTION

The IK code detailing resistance to mechanical impact performance, given in IEC 62262, places responsibility on product standard committees to specify:

- definition of enclosure;
- impact test equipment to be used;
- number of samples to be tested;
- conditions for test sample mounting;
- any preconditioning of the test sample;
- whether to be tested energised;
- whether to be tested with moving parts in motion;
- the number of impacts and their points of application.

Other aspects particular to consideration of luminaires may also be appropriate. For example:

- acceptable/non-acceptable damage following impact;
- level of luminaire performance and operation to be maintained following impact.

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1 Scope

This Technical report covers the testing and classification of luminaires according to IEC 62262. The application of an IK rating to a luminaire is considered to be a performance issue and is not directly related to the safety provisions of IEC 60598 standards covering luminaire safety.

2 Normative references

The following referenced documents are indispensable for the application of this document. 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 Eh: Hammer Tests*

IEC 60598 (all parts) – *Luminaires*

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

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