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Design and application of retrofit LED lamps

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Design and application of retrofit LED lamps

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IEC 63633 has been prepared by subcommittee 34A: Electric light sources, of IEC technical committee 34: Lighting. It is a Technical Report.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
34A/2456/DTR	34A/2463/RVDTR

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 Technical Report is English.

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.

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– withdrawn, or
– revised.

1 Scope

This document provides information on safety related aspects relevant for the design and application of LED lamps that can be used as a replacement for lamps of different technology (for example, incandescent, fluorescent or HID).

NOTE Where IEC CDV 63554:—[1] contains specific LED lamp annexes, the aspects given in this document have already been considered.

This document is not applicable to LED lamps for automotive applications.

2 Normative references

There are no normative references in this document.

[1] Under preparation. Stage at time of publication: IEC CDV 63554:2025.

Bibliography

[1] IEC CDV 63554:—, *LED lamps - Safety requirements*

[2] IEC 60155:1993, *Glow-starters for fluorescent lamps*

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