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Lighting equipment with radio communication - safety requirements

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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English Version

## Lighting equipment with radio communication - safety requirements

Équipements radioélectriques intégrés dans des appareils d'éclairage - Exigences de sécurité

Beleuchtungseinrichtung mit Funkkommunikation - Sicherheitsanforderungen

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
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**EN 50705:2023 (E)**

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## European foreword

This document (EN 50705:2023) has been prepared by CLC/TC 34 "Lighting".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-10-28
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2026-04-28

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This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

**EN 50705:2023 (E)****1 Scope**

This document specifies safety requirements for radio-integrated lighting equipment.

NOTE 1 Examples for lighting equipment are light sources, lamps, luminaires and controlgear for light sources.

NOTE 2 With the radio equipment integrated into the lighting equipment, the lighting equipment itself becomes radio equipment which is subject to the provisions of the RED.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 60570, *Electrical supply track systems for luminaires (IEC 60570)*

EN IEC 60598-2-1, *Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose luminaires (IEC 60598-2-1)*

EN 60598-2-2, *Luminaires - Part 2-2: Particular requirements - Recessed luminaires (IEC 60598-2-2)*

EN 60598-2-3, *Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting (IEC 60598-2-3)*

EN 60598-2-4, *Luminaires - Part 2-4: Particular requirements - Portable general purpose luminaires (IEC 60598-2-4:2017)*

EN 60598-2-5, *Luminaires - Part 2-5: Particular requirements – Floodlights (IEC 60598-2-5:2015)*

EN 60598-2-8, *Luminaires - Part 2-8: Particular requirements – Handlamps (IEC 60598-2-8:2013)*

EN 60598-2-10, *Luminaires - Part 2-10: Particular requirements - Portable luminaires for children (IEC 60598-2-10)*

EN 60598-2-11, *Luminaires - Part 2-11: Particular requirements - Aquarium luminaires (IEC 60598-2-11)*

EN 60598-2-12, *Luminaires - Part 2-12: Particular requirements - Mains socket-outlet mounted nightlights (IEC 60598-2-12)*

EN 60598-2-13, *Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires (IEC 60598-2-13)*

EN IEC 60598-2-17, *Luminaires - Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor) (IEC 60598-2-17)*

EN 60598-2-18, *Luminaires - Part 2: Particular requirements - Section 18: Luminaires for swimming pools and similar applications (IEC 60598-2-18)*

EN 60598-2-19, *Luminaires - Part 2: Particular requirements - Section 19: Air-handling luminaires (safety requirements) (IEC 60598-2-19)*

EN 60598-2-20, *Luminaires - Part 2-20: Particular requirements - Lighting chains (IEC 60598-2-20:2014)*

EN 60598-2-21, *Luminaires - Part 2-21: Particular requirements - Rope lights (IEC 60598-2-21)*

EN 60598-2-22, *Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting (IEC 60598-2-22)*

EN IEC 60598-2-23, *Luminaires - Part 2-23: Particular requirements - Extra-low-voltage lighting systems for ELV light sources*

EN 60598-2-24, *Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures (IEC 60598-2-24)*

EN 60598-2-25, *Luminaires - Part 2-25: Particular requirements - Luminaires for use in clinical areas of hospitals and health care buildings (IEC 60598-2-25)*

EN 61347-2-7, *Lamp controlgear - Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7)*

EN 61347-2-11, *Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires (IEC 61347-2-11)*

EN 61347-2-13, *Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13)*

EN IEC 62031, *LED modules for general lighting - Safety specifications*

EN 62493:2015, *Assessment of lighting equipment related to human exposure to electromagnetic fields*

EN 62560, *Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications (IEC 62560)*

EN 62776, *Double-capped LED lamps designed to retrofit linear fluorescent lamps - Safety specifications*

EN 62838, *LEDs lamps for general lighting services with supply voltages not exceeding 50 V a.c. r.m.s. or 120 V ripple free d.c. - Safety specifications (IEC 62838)*

EN 62868, *Organic light emitting diode (OLED) panels for general lighting - Safety requirements*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**