



SLOVENSKI STANDARD
oSIST prEN 50705:2020

01-januar-2020

Oprema za razsvetljavo z radijsko komunikacijo - Varnostne zahteve

Lighting equipment with radio communication - safety requirements

Appareil d'éclairage avec équipement radioélectrique - Exigences de sécurité

Ta slovenski standard je istoveten z: prEN 50705

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ICS:

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Svetila

Luminaire

oSIST prEN 50705:2020

en,fr,de

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EUROPEAN STANDARD
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prEN 50705

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ICS

English Version

Lighting equipment with radio communication - safety requirements

Appareil d'éclairage avec équipement radioélectrique -
Exigences de sécurité

To be completed

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2020-01-31.

It has been drawn up by CLC/TC 34.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 50705:2019) has been prepared by CLC/TC 34 "Lamps and related equipment".

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dor + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dor + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dor + 36 months (to be confirmed or modified when voting)

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1 Scope

This document specifies safety requirements for LED and OLED lighting equipment with built-in radio equipment. Examples for LED lighting equipment are LED modules, LED retrofit lamps, LED luminaires and controlgear for LED light sources.

NOTE With the radio equipment built into the lighting equipment, the lighting equipment itself becomes (combined) radio equipment with the whole combined radio equipment to be 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 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)*

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

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

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 60598-2-17, *Luminaires - Part 2: Particular requirements - Section 17: Luminaires for stage lighting, television film and photographic 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)*

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

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

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 (IEC 62776)*

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*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

3.1

built-in radio equipment

radio equipment that is incorporated into the host equipment and permanently affixed to it

4 Electrical, mechanical and thermal safety

Lighting equipment with a built-in radio-transmitter or radio receiver shall comply with the following product standards as applicable according to their scope:

- EN 60598-2-1;
- EN 60598-2-2;
- EN 60598-2-3;
- EN 60598-2-4;