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BSI Standards Publication

Lighting equipment with radio communication — safety requirements

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National foreword

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The UK participation in its preparation was entrusted to Technical Committee CPL/34/3, Auxiliaries for lamps.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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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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European foreword

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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- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2026-04-28

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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)*