

Luminaires —

Part 2-3: Particular requirements — Luminaires for road and street lighting

ICS 29.140.40; 93.080.30

National foreword

This British Standard is the UK implementation of EN 60598-2-3:2003+A1:2011, including Corrigendum August 2005. It is identical to IEC 60598-2-3:2002, incorporating amendment 1:2011. It supersedes BS EN 60598-2-3:2003, which will be withdrawn on 19 May 2014.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee Committee CPL/34/4, Luminaires.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English version

Luminaires
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Luminaires for road and street lighting
(IEC 60598-2-3:2002)

Luminaires
Partie 2-3: Règles particulières -
Luminaires d'éclairage public
(CEI 60598-2-3:2002)

Leuchten
Teil 2-3: Besondere Anforderungen -
Leuchten für Straßen- und
Wegebeleuchtung
(IEC 60598-2-3:2002)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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Foreword

The text of document 34D/762/FDIS, future edition 3 of IEC 60598-2-3, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60598-2-3 on 2003-02-01.

This European Standard supersedes EN 60598-2-3:1994 + corrigendum May 1996 + A1:1997 + A2:2001.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2003-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-02-01

This European Standard should be used in conjunction with the latest edition of and any amendments to EN 60598-1: *Luminaires – Part 1: General requirements and tests*.

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annexes B and ZA are normative and annex A is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60598-2-3:2002 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

The text of document 34D/989/FDIS, future amendment 1 to IEC 60598-2-3:2002, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60598-2-3:2003 on 2011-05-19.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the amendment has to be
implemented at national level by publication of
an identical national standard or by endorsement (dop) 2012-02-19
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2014-05-19

Endorsement notice

The text of amendment 1:2011 to the International Standard IEC 60598-2-3:2002 was approved by CENELEC as an amendment to the European Standard without any modification.

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LUMINAIRES –

Part 2-3: Particular requirements – Luminaires for road and street lighting

3.1 Scope

This part of IEC 60598 specifies requirements for

- luminaires for road, street lighting and other public outdoor lighting applications;
- tunnel lighting;
- column-integrated luminaires with a minimum total height above normal ground level of 2,5 m;

and for use with electrical lighting sources on supply voltages not exceeding 1 000 V.

NOTE Column integrated luminaires with a total height below 2,5 m are under consideration.

3.1.1 Normative references

The normative references listed in Section 0 of IEC 60598-1 apply to this part as well as the following reference:

IEC 60364-7-714, 1996, *Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 714: External lighting installations*

IEC 60068-3-76:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

Ⓐ IEC 62262: 2002, *Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)* Ⓐ

3.2 General test requirements

The provisions of Section 0 of IEC 60598-1 apply.

The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this section of Part 2.

In order to facilitate testing, and due to the dimensions of the sample, it is allowed to make use of the appropriate parts of the luminaire only (this is mainly applicable to column-integrated luminaires).

3.3 Definitions

For the purposes of this section, the definitions of Section 1 of IEC 60598-1 apply together with the following definitions.

3.3.1

span wire

wire between main supports which carries the weight of the complete installation.

NOTE This may include several luminaires, supply cables and a stay wire.

3.3.2

suspension wire

wire attached to the span wire and carrying the weight of the luminaire