

Luminaires —

Part 2: Particular requirements —

Section 8: Handlamps

ICS 29.140.40

National foreword

This British Standard is the UK implementation of EN 60598-2-8:1997+A2:2008. It is derived from IEC 60598-2-8:1996 incorporating amendments 1:2000 and 2:2007. It supersedes BS EN 60598-2-8:1997+A1:2000 which is withdrawn.

This British Standard is to be read in conjunction with BS EN 60598-1:1993. The many references to Part 1 should be read as references to BS EN 60598-1. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

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 to Technical Committee CPL/34/4, Luminaires.

A list of organizations represented on this committee 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 —
Part 2: Particular requirements —
Section 8: Handlamps

(IEC 598-2-8:1996, modified)

Luminaires —
Partie 2: Règles particulières —
Section 8: Baladeuses
(CEI 598-2-8:1996, modifiée)

Leuchten —
Teil 2: Besondere Anforderungen —
Hauptabschnitt 8: Handleuchten
(IEC 598-2-8:1996, modifiziert)

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This European Standard exists 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 Central Secretariat has the same status as the official versions.

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CENELEC

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

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Foreword

The text of the International Standard IEC 598-2-8:1996, prepared by SC 34D, Luminaires, of IEC TC 34, Lamps and related equipment, together with common modifications prepared by the Technical Committee CENELEC TC 34Z, Luminaires and associated equipment, was submitted to the formal vote and was approved by CENELEC as EN 60598-2-8 on 1997-03-11.

This European Standard supersedes EN 60598-2-8:1989 + A2:1993.

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) 1998-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-03-01

For products which have complied with EN 60598-2-8:1989 and its amendment A2:1993 before 1998-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-03-01.

Foreword to amendment A1

The text of document 34D/472/FDIS, future amendment 1 to IEC 60598-2-8:1996, 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 60598-2-8:1997 on 2000-05-01.

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- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2003-05-01

Foreword to amendment A2

The text of document 34D/875/FDIS, future amendment 2 to IEC 60598-2-8:1996, 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 A2 to EN 60598-2-8:1997 on 2008-02-01.

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) 2008-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2011-02-01

As a consequence of endorsing amendment 2:2007 to IEC 60598-2-8:1996, the common modifications in EN 60598-2:1997 are replaced by IEC text and therefore withdrawn.

Endorsement notice

The text of amendment 2:2007 to the International Standard IEC 60598-2-8:1996 was approved by CENELEC as an amendment to the European Standard without any modification.

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8.1 Scope

A2 This Part 2-8 of IEC 60598 specifies requirements for handlamps and similar portable luminaires which are held in the hand, hooked up or resting on a surface for use with electric light sources on supply voltages not exceeding 250 V. It is to be read in conjunction with those sections of Part 1 to which reference is made.

Handlamps which can be fixed to a support by means of a wing screw, clip or magnet, and luminaires intended for inspection of the interior of barrels, are within the scope of this section. **A2**

8.2 General test requirements

A2 **8.2.1** The provisions of section 0 of IEC 60598-1 apply together with the requirements of **8.2.2**. The tests described in each appropriate section of Part 1 shall be carried out in the order listed in this Part 2-8.

8.2.2 The requirements of the third paragraph of **0.4.2** of section 0 of IEC 60598-1 do not apply.

In general, four samples are necessary for the tests, three of which are subjected to the tests of **8.6.6**, the fourth sample being subjected to the other tests.

All four samples shall be subjected as well to the test for rough service luminaires of **4.13.4 b)** of Part 1.

For handlamps provided with a rubber protection cover, an additional sample is necessary for the test of **8.12.1**.

Where a range of similar handlamps is involved, the specified tests are made on a representative complete set from the range. This set shall include handlamps, together with any attachments, which represents the most unfavourable combination. **A2**

8.3 Definitions

A2 The definitions of Section 1 of IEC 60598-1 apply, together with the following definitions:

1) *Handlamp*

A luminaire with a handle and a flexible cable or cord, intended to be moved frequently while connected to the supply.

2) *Rewirable handlamp*

A handlamp with a type X or Y attachment.

3) *Non-rewirable handlamp*

A handlamp with a type Z attachment.

4) *Sealed handlamp*

A handlamp of which all protective covers are sealed and which makes it impossible to replace the lamp without destroying the handlamp. **A2**

8.4 Classification of luminaires

A2 Luminaires shall be classified in accordance with the provisions of Section 2 of IEC 60598-1 together with the requirements of **8.4.1**, **8.4.2** and **8.4.3**. **A2**

8.4.1 According to the type of protection against electric shock, handlamps shall be classified as class II or class III.

8.4.2 According to the method of connecting the cable or cord, handlamps shall be classified as:

- “rewirable handlamps”, or
- “non-rewirable handlamps”.

A2 **8.4.3** According to the circumstances of use, handlamps shall be classified as rough service luminaires. **A2**