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Irish Standard  
I.S. EN 60598-2-8:2013

# Luminaires -- Part 2-8: Particular requirements - Handlamps (IEC 60598-2-8:2013 (EQV))

## I.S. EN 60598-2-8:2013

*Incorporating amendments/corrigenda issued since publication:*

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**I.S. EN 60598-2-8:2013**

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 60598-2-8**

June 2013

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Supersedes EN 60598-2-8:1997 + A1:2000 + A2:2008

English version

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

Luminaires -  
Partie 2-8: Exigences particulières -  
Baladeuses  
(CEI 60598-2-8:2013)

Leuchten – Teil 2-8: Besondere  
Anforderungen – Handleuchten  
(IEC 60598-2-8:2013)

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

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

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## Foreword

The text of document 34D/1090/FDIS, future edition 3 of IEC 60598-2-8, prepared by SC 34D, "Luminaires", of IEC TC 34, "Lamps and related equipment", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60598-2-8:2013.

The following dates are fixed:

- latest date by which the document has (dop) 2014-03-03  
to be implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2016-06-03  
standards conflicting with the  
document have to be withdrawn

This document supersedes EN 60598-2-8:1997 + A1:2000 + A2:2008.

EN 60598-2-8:2013 includes the following significant technical changes with respect to EN 60598-2-8:1997 + A1:2000 + A2:2008:

a) The requirements have been updated to make them consistent and to solve contradicting requirements introduced in the Amendment 2. In that amendment, a requirement was introduced specifying that handlamp shall always be classified as rough service luminaire only. The implication of this statement was that according to 4.13.4 of Part 1 this kind of luminaire shall always be IP54. This requirements is in contradiction with several points of this Part 2 where it is considered acceptable for ordinary luminaires (e.g. 8.11.1, 8.11.2 and 8.13.1).

b) Furthermore, the contradiction between the requirement in 8.7.1 and 8.7.2 regarding the type of material used for the protective cover has been corrected.

This standard is intended to be read in conjunction with EN 60598-1: *Luminaires – Part 1: General requirements and tests*.

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

## Endorsement notice

The text of the International Standard IEC 60598-2-8:2013 was approved by CENELEC as a European Standard without any modification.

**Annex ZA**  
(normative)  
**Normative references to international publications**  
**with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60227	Series	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	-	-
IEC 60245	Series	Rubber insulated cables - Rated voltages up to and including 450/750 V	-	-
IEC 60598-1	-	Luminaires - Part 1: General requirements and tests	EN 60598-1	

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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### LUMINAIRES –

### Part 2-8: Particular requirements – Handlamps

#### FOREWORD

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International Standard IEC 60598-2-8 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This third edition cancels and replaces the second edition, published in 1996, its Amendment 1 (2000) and its Amendment 2 (2007). It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) The requirements have been updated to make them consistent and to solve contradicting requirements introduced in the Amendment 2. In that amendment, a requirement was introduced specifying that handlamp shall always be classified as rough service luminaire only. The implication of this statement was that according to 4.13.4 of Part 1 this kind of luminaire shall always be IP54. This requirements is in contradiction with several points of this Part 2 where it is considered acceptable for ordinary luminaires (e.g. 8.11.1, 8.11.2 and 8.13.1).



- b) Furthermore, the contradiction between the requirement in 8.7.1 and 8.7.2 regarding the type of material used for the protective cover has been corrected.

This standard is intended to be read in conjunction with IEC 60598-1 *Luminaires – Part 1: General requirements and tests*. It was established on the basis of the seventh edition (2008) of that standard.

The text of this standard is based on the following documents:

FDIS	Report on voting
34D/1090/FDIS	34D/1097/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60598 series, published under the general title *Luminaires*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## LUMINAIRES –

### Part 2-8: Particular requirements – Handlamps

#### 8.1 Scope

This part of the IEC 60598 series 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 part of IEC 60598.

#### 8.2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60227 (all parts) *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

#### 8.3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60598-1, as well as the following apply.

##### 8.3.1

##### **handlamp**

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

##### 8.3.2

##### **rewirable handlamp**

handlamp with a type X or Y attachment

##### 8.3.3

##### **non-rewirable handlamp**

handlamp with a type Z attachment

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