



**NSAI**  
Standards

Irish Standard  
I.S. EN 60598-2-24:2013

# Luminaires -- Part 2-24: Particular requirements - Luminaires with limited surface temperatures (IEC 60598-2-24:2013 (EQV))

## I.S. EN 60598-2-24:2013

*Incorporating amendments/corrigenda issued since publication:*

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|   |  |   |
|---|--|---|
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60598-2-24**

August 2013

ICS 29.140.40

Supersedes EN 60598-2-24:1998

English version

**Luminaire -  
Part 2-24: Particular requirements -  
Luminaire with limited surface temperatures  
(IEC 60598-2-24:2013)**

Luminaire -  
Partie 2-24: Exigences particulières -  
Luminaire avec surfaces à températures  
limitées  
(CEI 60598-2-24:2013)

Leuchten – Teil 2-24: Besondere  
Anforderungen – Leuchten mit begrenzter  
Oberflächentemperatur  
(IEC 60598-2-24:2013)

This European Standard was approved by CENELEC on 2013-07-24. 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.

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.

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 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 34D/1094/FDIS, future edition 2 of IEC 60598-2-24, 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 60598-2-24:2013.

The following dates are fixed:

- latest date by which the document has to be (dop) 2014-04-24  
implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2016-07-24  
standards conflicting with the  
document have to be withdrawn

This document supersedes EN 60598-2-24:1998.

EN 60598-2-24:2013 includes the following significant technical changes with respect to EN 60598-2-24:1998:

- a) change of required degree of protection from IP6X to IP4X to harmonize with the international wiring rules;
- b) temperature limits introduced for glass surface of any light source exposed to risk of dust.

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

NOTE In this standard, the following print types are used:

- requirements: in roman type.
- *test specifications: in italic type.*
- notes: in small roman type.

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 60598-2-24:2013 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 60364-4-42     | -           | Low voltage electrical installations -<br>Part 4-42: Protection for safety - Protection<br>against thermal effects | HD 60364-4-42 | -           |
| IEC 60598-1        | -           | Luminaires -<br>Part 1: General requirements and tests   | EN 60598-1    | -           |
| ISO 4225           | 1994        | Air quality - General aspects - Vocabulary   | -             | -           |

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### LUMINAIRES –

#### **Part 2-24: Particular requirements – Luminaires with limited surface temperatures**

### FOREWORD

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International Standard IEC 60598-2-24 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

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

This second edition cancels and replaces the first edition published in 1997. It constitutes a technical revision.

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

- a) change of required degree of protection from IP6X to IP4X to harmonize with the international wiring rules;
- b) temperature limits introduced for glass surface of any light source exposed to risk of dust.



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

| FDIS          | Report on voting |
|---------------|------------------|
| 34D/1094/FDIS | 34D/1100/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.

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

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

In this standard, the following print types are used:

- requirements: roman type.
- *test specifications: italic type.*
- notes: smaller roman type.

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

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