



NSAI
Standards

Irish Standard
I.S. EN 60838-2-2:2006

Miscellaneous lampholders -- Part 2-2:
Particular requirements - Connectors
for LED-modules (IEC 60838-2-2:2006
(EQV))

I.S. EN 60838-2-2:2006

Incorporating amendments/corrigenda issued since publication:

EN 60838-2-2:2006/A1:2012

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English version

**Miscellaneous lampholders -
Part 2-2: Particular requirements -
Connectors for LED-modules
(IEC 60838-2-2:2006/A1:2012)**

Douilles diverses pour lampes -
Partie 2-2: Règles particulières -
Connecteurs pour modules DEL
(CEI 60838-2-2:2006/A1:2012)

Sonderfassungen -
Teil 2-2: Besondere Anforderungen -
Verbinder für LED-Module
(IEC 60838-2-2:2006/A1:2012)

This amendment A1 modifies the European Standard EN 60838-2-2:2006; it was approved by CENELEC on 2012-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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This amendment 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.

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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 48B/1621/CDV, future amendment 1 to edition 1 of IEC 60838-2-2, prepared by IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60838-2-2:2006/A1:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-02-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-05-01

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 60838-2-2:2006/A1:2012 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

Addition to Annex ZA of EN 60838-2-2:2006:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62031 + A1	2008 -	LED modules for general lighting - Safety specifications	EN 62031 + A1	2008 -

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English version

**Miscellaneous lampholders
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Verbinder für LED-Module
(IEC 60838-2-2:2006)

This European Standard was approved by CENELEC on 2006-06-01. 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.

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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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 34B/1229/FDIS, future edition 1 of IEC 60838-2-2, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60838-2-2 on 2006-06-01.

This part 2-2 is to be used in conjunction with the latest edition of EN 60838-1 and its amendments. It was established on the basis of EN 60838-1:2004.

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) 2007-03-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60838-2-2:2006 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 referenced documents are indispensable for the application 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.

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 60068-2-6 + corr. March	1995 1995	Environmental testing Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995
IEC 60068-2-14	1984	Environmental testing Part 2: Tests - Test N: Change of temperature	EN 60068-2-14 ¹⁾	1999
IEC 60068-2-30	2005	Environmental testing Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005

¹⁾ EN 60068-2-14 includes A1 to IEC 60068-2-14.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MISCELLANEOUS LAMPHOLDERS –

Part 2-2: Particular requirements – Connectors for LED-modules

FOREWORD

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This consolidated version of IEC 60838-2-2 consists of the first edition (2006) [documents 34B/1229/FDIS and 34B/1237/RVD] and its amendment 1 (2012) [documents 34B/1621/CDV and 34B/1638/RVC]. It bears the edition number 1.1.

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience. A vertical line in the margin shows where the base publication has been modified by amendment 1. Additions and deletions are displayed in red, with deletions being struck through.

International Standard IEC 60838-2-2 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

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

This Part 2-2 is to be used in conjunction with the latest edition of IEC 60838-1 and its amendments. It was established on the basis of the fourth edition (2004) of that standard.

IEC 60838 consists of the following parts, under the general title *Miscellaneous lampholders*:

Part 1: General requirements and tests

Part 2-1: Particular requirements – Section 1: Lampholders S14

Part 2-2: Particular requirements – Connectors for LED modules

The committee has decided that the contents of the base publication and its amendments 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.

IMPORTANT – The “colour inside” logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this publication using a colour printer.

MISCELLANEOUS LAMPHOLDERS –

Part 2-2: Particular requirements – Connectors for LED-modules

1 General

1.1 Scope

This part of IEC 60838-2 applies to connectors for building-in (including those used for interconnection between LED modules) of miscellaneous types to be used with PCB-based LED modules.

1.2 Normative references

Subclause 1.2 of IEC 60838-1 applies, together with the following additions.

IEC 60068-2-6:1995, *Environmental testing – Part 2: Tests – Test Fc: Vibration (sinusoidal)*

IEC 60068-2-14:1984, *Environmental testing – Part 2: Tests – Test N: Change of temperature*

IEC 60068-2-30:2005, *Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12 + 12-hour cycle)*

IEC 62031:2008, *LED modules for general lighting – Safety specifications*
Amendment 1:—¹

2 Definitions

The definitions given in Clause 2 of IEC 60838-1 as well as the following definitions apply.

2.1

light emitting diode

LED

solid state device embodying a p-n junction, emitting optical radiation when excited by an electric current.

[IEV 845-04-40]

2.2

LED module

unit supplied as a light source. In addition to one or more LEDs it may contain further components, e.g. optical, mechanical, electrical and electronic (under consideration)

3 General requirement

The requirements of Clause 3 of IEC 60838-1 apply.

¹ To be published.

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