

Irish Standard I.S. EN 60838-2-3:2017

Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps

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I.S. EN 60838-2-3:2017

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National Foreword

I.S. EN 60838-2-3:2017 is the adopted Irish version of the European Document EN 60838-2-3:2017, Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps

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EUROPEAN STANDARD

EN 60838-2-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2017

ICS 29.140.10

English Version

Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED lamps (IEC 60838-2-3:2016)

Douilles diverses pour lampes - Partie 2-3: Règles particulières - Douilles pour lampes LED linéaires à deux culots (IEC 60838-2-3:2016)

Sonderfassungen - Teil 2-3: Besondere Anforderungen -Lampenfassungen für zweiseitig gesockelte röhrenförmige LED-Lampen (IEC 60838-2-3:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60838-2-3:2017

European foreword

The text of document 34B/1851/FDIS, future edition 1 of IEC 60838-2-3, prepared by IEC/SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60838-2-3:2017.

The following dates are fixed:

IEC 60400-2008

•	latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2017-10-28
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2020-04-28

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For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

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The text of the International Standard IEC 60838-2-3:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

NOTE Harmonized as EN 60400:2008

IEC 60400.2008	NOTE	Haimonized as EN 00400.2006.
IEC 60400:2008/AMD1:2011	NOTE	Harmonized as EN 60400:2008/A1:2011.
IEC 60400:2008/AMD2:2014	NOTE	Harmonized as EN 60400:2008/A1:2014.

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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Annex ZA of EN 60838-1 applies

Addition

Publication	Year	Title	EN/HD	Year
IEC 60061-2	<u>-</u>	Lamp caps and holders together with gauges for the control of interchangeability and safety Part 2: Lampholders	EN 60061-2	<u>-</u>
IEC 60061-3	-	Lamp caps and holders together with gauges for the control of interchangeability and safety Part 3: Gauges	EN 60061-3	-
IEC 60838-1	-	Miscellaneous lampholders Part 1: General requirements and tests	EN 60838-1	-
IEC 62504	-	General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions	EN 62504	-

Annex ZZ

(informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European standard has been prepared under a Commission's standardisation request relating to harmonised standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 – Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1. General conditions		
a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;	Clause 7	
b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;	All clauses	
c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.	See item 2 and 3 of this table	
2. Protection against hazards arising from the electrical		

aguinment		1
equipment Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:		
a) persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	Clauses 4, 8, 9, 10, 11, 12 and 14	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	Clauses 11, 12, 15, 16 and 17	
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	Clauses 4, 11, 13, 16 and 18	
d) the insulation is suitable for foreseeable conditions.	Clauses 8, 10, 11, 13, 15 and 17	
3. Protection against hazards which may be caused by external influences on the electrical equipment		
Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment:		
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	Clauses 7, 11, 13 and 18	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	Clauses 11, 12,15 and 17	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	Clauses 11, 12 and 17	

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this

EN 60838-2-3:2017

standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the product(s) falling within the scope of this standard.



IEC 60838-2-3

Edition 1.0 2016-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Miscellaneous lampholders -

Part 2-3: Particular requirements – Lampholders for double-capped linear LED lamps

Douilles diverses pour lampes -

Partie 2-3: Exigences particulières – Douilles pour lampes LED linéaires à deux culots





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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- 2 - IEC 60838-2-3:2016 © IEC 2016

CONTENTS

FOI	REWORD	3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	General requirements	6
5	General conditions for tests	6
6	Classification	9
7	Marking	9
8	Protection against electric shock	10
9	Terminals	10
10	Provision for earthing	10
11	Construction	10
12	Moisture resistance, insulation resistance and electric strength	13
13	Mechanical strength	13
14	Screws, current-carrying parts and connections	13
15	Creepage distances and clearances	13
16	Endurance	13
17	Resistance to heat and fire	13
18	Resistance to excessive residual stresses (season cracking) and to rusting	13
Anr	nex A (normative) Lampholders covered by this standard	14
Anr higl	nex B (normative) Test probes for checking gasket sleeves on lampholders for ner IP protection	15
Anr to 1	nex C (informative) Explanatory details for the installation of lampholders according	16
	liography	
Figi	ure 1 – Mounting sheet	7
_	ure 2 – Fixture for the testing of lampholder flexibility	
_	ure 3 – Test cap GX16t-5	
_	ure 4 – Mounting jig for the testing of lampholders	
_	ure B.1 – Test probes for checking gasket sleeves	
_	ure C.1 – Examples of lampholders	

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- 3 -

INTERNATIONAL ELECTROTECHNICAL COMMISSION

MISCELLANEOUS LAMPHOLDERS -

Part 2-3: Particular requirements – Lampholders for double-capped linear LED lamps

FOREWORD

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International Standard IEC 60838-2-3 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34B/1851/FDIS	34B/1857/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.

- 4 - IEC 60838-2-3:2016 © IEC 2016

This Part 2-3 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 fifth edition (2016) of that standard.

A list of all parts in the IEC 60838 series, published under the general title *Miscellaneous lampholders*, can be found on the IEC website.

In this standard the following print types are used:

- test specifications and compliance statements: in italic type;
- NOTES: in small roman type.

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

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

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- 5 -

MISCELLANEOUS LAMPHOLDERS -

Part 2-3: Particular requirements – Lampholders for double-capped linear LED lamps

1 Scope

This part of IEC 60838-2 applies to lampholders for double-capped linear LED lamps intended for building-in (to be used for general lighting service and with caps as listed in Annex A). Lampholders within the scope of this standard do not include heat management.

Double-capped linear LED lamps can also be used with lampholders originally been designated for other technologies. The requirements for these lampholders are covered by separate standards.

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.

Clause 2 of IEC 60838-1 applies, together with the following additions.

IEC 60061-2, Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders

IEC 60061-3, Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges

IEC 60838-1, Miscellaneous lamp holders - Part 1: General requirements and tests

IEC 62504, General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60838-1 and in IEC 62504, as well as the following apply.

3.1

independent lampholder

lampholder so designed that it can be mounted separately from a luminaire, while at the same time providing all the necessary protection according to its classification and marking

[SOURCE: IEC 60238:2004, 2.5]

3.2

flexible lampholder for linear double-capped LED lamp flexible lampholder

lampholder in which the base of each holder is rigidly mounted in the luminaire but which has one or both of the lampholders so designed as to allow axial movement of the contacts



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