

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Miscellaneous lampholders –
Part 1: General requirements and tests**

**Douilles diverses pour lampes –
Partie 1: Prescriptions générales et essais**

IEC 60838-1:2004/AMD1:2008

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FOREWORD

This amendment has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34B/1384/FDIS	34B/1400/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result 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- withdrawn,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.

Page 9

1.1 Scope

Delete the fourth paragraph of 1.1 starting with "Lampholders designed with a barrel thread..."

1.2 Normative references

Delete, on page 11, reference IEC 60695-2-2 and insert the following new reference:

IEC 60695-11-5:2004, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance*

Page 19

6 Marking

Insert, after Subclause 6.2 a), the following new Note:

NOTE Some lampholders still show rated voltages higher than 500 V. This is an earlier way of expressing the permissible pulse voltage via a rated voltage. For such lampholders, the creepage distances and clearances can be found in IEC 60598-1.

Page 21

Insert, at the end of 6.2, the following new text:

Lampholders complying with the electrical strength test for double or reinforced insulation and having creepage distances and clearances equivalent to double or reinforced insulation offer an adequate level of protection for the use in luminaires where they are accessible in normal use. Such lampholders are addressed as lampholders for use in class II applications. This information shall be indicated in the manufacturer's catalogue or the like.

NOTE 3 Values for creepage distances and clearances as well as test voltages for the electrical strength test for double or reinforced insulation are given in IEC 60598-1.

To achieve sufficient creepage distances and clearances to outer accessible surfaces, additional attachments could be used. In some cases, these dimensions might be achieved only after mounting the lampholder in the luminaire. Relevant information should be provided in the manufacturer's catalogue or the like.

Page 25

8 Terminals

Insert, in 8.1, at the end of the last paragraph before the compliance check, the following new sentence:

An example for such a means of connection is a contact of a lampholder for extra low voltage halogen lamps providing electrical connection to a metal part of the luminaire during lampholder assembly.

Insert, in 8.2, at the end of the last paragraph before the compliance check, the following new paragraphs:

Lampholders for extra low voltage halogen lamps, having a contact providing electrical connection to a metal part of the luminaire during lampholder assembly are for use of luminaire manufacturers only and are not for retail sale.

The conditions for a reliable installation and operation shall be given in the lampholder manufacturer's or responsible vendor's documents, in particular restrictions on the use of materials, essential dimensions and tolerances for lampholder fixation in the luminaire.

Lampholder contacts providing electrical connection to a metal part of the luminaire during lampholder assembly shall comply with the requirements of IEC 60598-1, Section 15.

Page 29

10 Construction

Insert, at the end of 10.3, above the note, the following new paragraph:

Compliance is checked by measurement.

Insert, in page 31, the following new Subclause 10.5:

10.5 Lampholders designed with a barrel thread for shade holder rings and shade holder rings shall comply with IEC 60399.

Compliance is checked by means of the gauges given in IEC 60399.

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14 Creepage distances and clearances

Replace, in the last sentence of the note before Table 2a the wording “working voltages” by “rated voltages”.

Tables 2a and 2b

Replace, in the heading of the Tables 2a and 2b, the wording “Working voltage” by “Rated voltage”.

Replace, in the penultimate paragraph in Tables 2a and 2b, the wording “working voltages” by “rated voltages”, both in the first and in the second sentence of this paragraph.

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Table 2b

Replace item 1 in Table 2b by the following new item 1:

1 Creepage distances and clearances between live parts of different polarity

Page 45

16 Resistance to heat and fire

Delete, in 16.4, on page 49, the reference to IEC 60695-2-2 and replace it by a reference to IEC 60695-11-5.
