



**SLOVENSKI STANDARD**  
**SIST EN IEC 60598-1:2021/oprAA:2021**  
**01-junij-2021**

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**Svetilke - 1. del: Splošne zahteve in preskusi - Dopolnilo AA**

Luminaires - Part 1: General requirements and tests

Leuchten - Teil 1: Allgemeine Anforderungen und Prüfungen

Luminaires - Partie 1: Exigences générales et essais

**Ta slovenski standard je istoveten z: EN IEC 60598-1:2021/prAA**

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**ICS:**

29.140.40      Svetila                                      Luminaires

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN IEC 60598-1:2021**

**prAA**

April 2021

ICS

English Version

## Luminaires - Part 1: General requirements and tests

Luminaires - Partie 1: Exigences générales et essais

Leuchten - Teil 1: Allgemeine Anforderungen und Prüfungen

This draft amendment prAA, if approved, will modify the European Standard EN IEC 60598-1:2021; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2021-07-16.

It has been drawn up by CLC/TC 34.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## EN IEC 60598-1:2021/prAA:2021 (E)

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## 11 European foreword

12 This document (EN IEC 60598-1:2021/prAA:2021) has been prepared by CLC/TC 34 "Lighting".

13 This document is currently submitted to the Enquiry.

14 The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dor + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dor + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dor + 36 months (to be confirmed or modified when voting)

15 This document will amend EN IEC 60598-1:2021.

16 This amendment was developed to introduce common modifications and special national conditions in  
17 EN IEC 60598-1:2021.

18 This document has been prepared under a mandate given to CENELEC by the European Commission  
19 and the European Free Trade Association, and supports essential requirements of EU Directive(s).

20 For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of  
21 EN IEC 60598-1:2021.

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## EN IEC 60598-1:2021/prAA:2021 (E)

22 **1 Modification to the “Endorsement notice”**23 *Replace the last two lines with the following:*24 “The text of the International Standard IEC 60598-1:2020 was approved by CENELEC as a European  
25 Standard with agreed common modifications.”26 **2 Modification to “SECTION 3: MARKING”**27 *In 3.2.12, delete NOTE 4.*28 **3 Modification to “SECTION 4: CONSTRUCTION”**29 *In 4.11.6, at the end of the paragraph commencing “Following completion of these tests...”, add the  
30 following text:*

31 “the test voltage however being reduced to 1 500 V”.

32 **4 Modification to “SECTION 5: EXTERNAL AND INTERNAL WIRING”**33 *In 5.2.2, paragraph 1, replace “IEC 60227 (all parts) and IEC 60245 (all parts)”, by “EN 50525 (all  
34 parts)”, and delete paragraph 2.*35 *Replace Table 5.1 by the following new table:*

36 “

37

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Table 5.1 — Supply cord

Luminaire	Rubber	PVC	No insulation
Ordinary class I luminaires	H03RT-H <sup>c</sup>	H03VVH2-F <sup>c</sup> H03VV-F <sup>c</sup>	
Ordinary class II luminaires	H05RR-F <sup>c</sup>	H03VVH2-F <sup>c</sup> H03VV-F <sup>c</sup>	
Luminaires other than ordinary class I and II	H05RN-F <sup>c</sup>	H03VVH2-F <sup>a c</sup> H03VV-F <sup>a c</sup>	
Portable rough service luminaires	H07RN-F <sup>c</sup>		
Class III or with SELV or PELV circuits luminaires AC: $U \leq 25$ V DC: $U \leq 60$ V Interrupted DC voltage for frequencies between 10 Hz and 200 Hz: $\leq 25$ V peak			Uninsulated conductor <sup>b</sup>
Class III or with SELV or PELV circuits luminaires AC: $25$ V $< U \leq 50$ V DC: $60$ V $< U \leq 120$ V	Unsheathed basic insulated conductor		

Luminaire	Rubber	PVC	No insulation
a	For indoor use only.		
b	In accordance with IEC 60364 (all parts) uninsulated conductors are not allowed in certain special installations and locations e.g. IEC 60364-7-701 "Locations containing a bath or shower".		
c	For supply voltages greater than 250 V, higher voltage grade cables and cords than those given in this table may be necessary.		

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## 39 5 Modification to "SECTION 12: ENDURANCE TEST AND THERMAL TEST"

40 *In Clause 12.4.2 c) Line 2, after "90 °C" add "(see footnote <sup>C</sup> to Table 12.2 relating to unsleeved fixed*  
 41 *wiring)".*

42 *In Table 12.2 footnote <sup>C</sup> add the following:*

43 — *after "European installation standards": "(HD 60364 (all parts) and HD 384 (all parts))";*

44 — *after "European cable standards": "(EN 50525 (all parts))".*

## 45 6 Addition of Annex ZB, "Special national conditions" and Annex ZC, 46 "A-deviations"

47 *Add the following Annexes ZB and ZC:*

48 "

49 *SIST EN IEC 60598-1:2021/oprAA:2021*  
 50 *[https://standards.iteh.ai/catalog/standards/sist/74f8bde8-bba3-406c-8c29-](https://standards.iteh.ai/catalog/standards/sist/74f8bde8-bba3-406c-8c29-e647b2f5988c/sist-en-iec-60598-1-2021-opraa-2021)*  
 51 *e647b2f5988c/sist-en-iec-60598-1-2021-opraa-2021*  
 52 **Annex ZB**  
 (normative)

### Special national conditions

53 **Special national condition:** National characteristic or practice that cannot be changed even over a  
 54 long period, e.g. climatic conditions, electrical earthing conditions.

55 NOTE If it affects harmonization, it forms part of the European Standard or Harmonization Document.

56 For the countries in which the relevant special national conditions apply these provisions are normative,  
 57 for other countries they are informative.

Clause      Special national condition

3.3      **Denmark**

Supply cords of class I luminaires, which are delivered without a plug, shall be provided with a visible tag with the following text:

Vigtigt !  
 Lederen med grøn/gul isolation  
 må kun tilsluttes en klemme mærket



If essential for the safety of the luminaire, the tag shall in addition be provided with a diagram, which shows the connection of the other conductors, or be provided with the following text:

For tilslutning af the øvrige ledere,  
 se medfølgende vejledning.

## EN IEC 60598-1:2021/prAA:2021 (E)

NOTE “ø” may be replaced by “oe”; “æ” may be replaced by “ae”.

5.2.18 **Denmark**

Socket-outlets intended for providing power to other appliances shall be in compliance with DS60884–2-D1:2011, the Standard Sheets being applied as follows:

Class I . . . . . Standard Sheet DK 1-3a, DK 1-1c and DK 1-1d

For class I luminaires, the earthing contact of the socket-outlet shall be electrically connected to the earthing terminal of the appliance.

Class II luminaires with a degree of protection not higher than IPX0, Standard Sheet DKA 1-4a can be used.

**EXEMPTION:**

Socket-outlets supplied from isolation transformers (shaver supply units) and socket-outlets on outdoor luminaires may be in accordance with the requirement of DS60884–2-D1:2011 for fixed socket-outlets.

5.2.1 **Cyprus**

Domestic luminaires intended for connection to a standard United Kingdom 13 A socket must be pre-fitted with an approved plug complying with BS 1363.

Cord sets for domestic luminaires for connection with an appliance inlet must be pre-fitted with an approved plug complying with BS 1363.

Plugs must be fitted with the correct fuse.

**Denmark**

Supply cords on single-phase portable luminaires having a rated current not exceeding 13 A

shall be provided with a plug according to the following table:

Class of luminaire	DS60884–2-D1:2011	EN 50075 Standard Sheet
Class I	DK 2-1a, C 2b, C 3b or C 4	
Class II	DKA 2-1a, DKA 2-1b, C 5, C 6	I

For luminaires having an appliance inlet, the plug on the supply cord shall comply with the above requirements.

If multi-phase luminaires and single-phase luminaires having a rated current exceeding 13 A are provided with a supply cord with a plug, the plug shall comply with the following table or EN 60309.

<b>Plug</b>	
<b>Class of luminaire</b>	<b>DS60884–2-D1:2011</b>
<b>Class I</b>	<b>DK 6-1a</b>
<b>Class II</b>	<b>DK 6-1a*</b>
<b>* Earthing contact not connected.</b>	

**Finland**

For luminaires provided with non-detachable flexible cables and cords and a plug, the plug shall comply with the requirements of CEE Publication 7 and EN 50075, the Standard Sheets to be applied being as follows:

- Class I luminaires CEE 7, sheet IV or VII
- Class II luminaires CEE 7, sheet XVI (alt I only) or CEE 7, sheet XVII or



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EN 50075, sheet I

### United Kingdom

Domestic luminaires intended for connection to a standard United Kingdom 13 A socket must be pre-fitted with an approved plug complying with BS 1363.

Cord sets for domestic luminaires for connection with an appliance inlet must be pre-fitted with an approved plug complying with BS 1363.

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59  
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## Annex ZC (informative)

### A-deviations

62 **A-deviation:** National deviation due to regulations, the alteration of which is for the time being outside  
63 the competence of the CEN-CENELEC national member.“

64 This European Standard falls under Directive 2014/35/EU.

65 NOTE (from CEN/CENELEC IR Part 2:2018, 2.16) Where standards fall under EC Directives or Regulations,  
66 it is the view of the Commission of the European Communities (OJ No C 59; 1982-03-09) that the effect of the  
67 decision of the Court of Justice in case 815/79 Cremonini/Vrankovich (European Court Reports 1980, p. 3583) is  
68 that compliance with A-deviations is no longer mandatory and that the free movement of products complying with  
69 such a standard should not be restricted within the EC except under the safeguard procedure provided for in the  
70 relevant Directive or Regulation.

71 A-deviations in an EFTA-country are valid instead of the relevant provisions of the European Standard  
72 in that country until they have been removed.

<u>Clause</u>	<u>Deviation</u>
4 and 5	France <a href="https://standards.iteh.ai/catalog/standards/sist/74f8bde8-bba3-406c-8c29-e647b2f5988c/sist-en-iec-60598-1-2021-opraa-2021">https://standards.iteh.ai/catalog/standards/sist/74f8bde8-bba3-406c-8c29-e647b2f5988c/sist-en-iec-60598-1-2021-opraa-2021</a>

(Arrêté of the 22<sup>th</sup> September 1969)

Socket-outlets 10/16 A intended for providing power to other appliances except those supplied by an isolating transformer shall be shuttered.

(Arrêté du 30 décembre 2011 portant règlement de sécurité pour la construction des immeubles de grande hauteur et leur protection contre les risques d'incendie et de panique)

Section VIII, Installations électriques et éclairage

Article GH 48, Eclairage

§ 1 Généralités:

c) Les parties externes des luminaires satisfont à l'essai au fil incandescent, la température du fil incandescent étant de:

– 850°C pour les luminaires dans les escaliers et les circulations horizontales communes ;

– 650°C pour les luminaires dans les locaux.

### United Kingdom

(Approved Document B of the United Kingdom Building Regulations)

Particular fire protection requirements relating to thermoplastic diffusers are listed in Subclause 6.15 of the above Regulations.”

EN IEC 60598-1:2021/prAA:2021 (E)

73 **7 Addition to the Bibliography**

74 *Add the following additional standard:*

75 “HD 384 (all parts), *Electrical installations of buildings*”

76

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