



**SLOVENSKI STANDARD**  
**kSIST FprEN IEC 61547:2020/oprAA:2022**  
**01-marec-2022**

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**Oprema za splošno razsvetljavo - Zahteve za odpornost proti EMC - Dopolnilo AA**

Equipment for general lighting purposes - EMC immunity requirements

Einrichtungen für allgemeine Beleuchtungszwecke - EMV-Störfestigkeitsanforderungen

Equipements pour l'éclairage à usage général - Exigences concernant l'immunité CEM

**Ta slovenski standard je istoveten z: FprEN IEC 61547:2020/prAA**

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**ICS:**

29.140.01	Žarnice na splošno	Lamps in general
33.100.20	Imunost	Immunity

**kSIST FprEN IEC  
61547:2020/oprAA:2022**

**en**

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2020-opraa-2022](https://standards.iteh.ai/catalog/standards/sist/c7cd9fb7-bc90-4c6d-b55a-5dbe5f9c8df2/ksist-fpren-iec-61547-2020-opraa-2022)

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**FprEN IEC 61547:2020**  
**prAA**

January 2022

ICS 29.020; 29.140; 33.100.10

English Version

## Equipment for general lighting purposes - EMC immunity requirements

Equipements pour l'éclairage à usage général - Exigences  
concernant l'immunité CEM

Einrichtungen für allgemeine Beleuchtungszwecke - EMV-  
Störfestigkeitsanforderungen

This draft amendment prAA, if approved, will modify the European Standard FprEN IEC 61547:2020; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2022-04-01.

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.

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

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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**

**FprEN IEC 61547:2020/prAA (E)****European foreword**

This document (FprEN IEC 61547:2020/prAA) has been prepared by CLC/TC 34 "Lighting".

This document is currently submitted to the Enquiry.

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)

This document will amend FprEN IEC 61547:2020.

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

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

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## 1 Modification to "Scope"

Delete paragraph 4, starting with "Lighting equipment with a wireless control ...".

## 2 Modification to subclause 4.1, "General"

Replace the second dashed item as follows:

"

— the control function, for example on/off switching, light level setting, colour adjustment."

## 3 Modification to subclause 4.2, "Categorization of performance criteria"

Add the following notes at the end of "b) performance criterion B":

"

NOTE 1 High pressure discharge lamps by their technical nature require up to 30 min to fully restore the previous luminous flux.

NOTE 2 In safety critical applications, for example emergency escape lighting, according to the applicable standards typically much shorter restoration times are required."

Add the following note at the end of "c) performance criterion C":

"

NOTE For circuit protections recovery up to 30 min can be required."

## 4 Modification to subclause 4.3, "Objective assessment of luminous intensity performance"

Replace the title with "Assessment of luminous intensity performance".

Add the following note after the 2nd paragraph:

"

NOTE A difference of 15% in luminous flux is at the threshold of perception and therefore only either barely perceived or even not perceived at all by most humans"

## 5 Modification to subclause 5.1, "General"

Delete paragraph 3, starting with "It may be determined...".

## 6 Modification to subclause 6.2, "Applicability of tests and associated performance criterion"

Replace the 2nd paragraph as follows:

"Lighting equipment applying only modules for which compliance with the requirements of this document has already been demonstrated and which are installed and are used in accordance with the module manufacturer's instructions, is deemed compliant with this document without further testing."

## FprEN IEC 61547:2020/prAA (E)

In Table 13, replace footnotes d and e as follows:

"

d These tests do not apply as they are covered by EN 60598-2-22:2014<sup>1</sup>.

e In 5.2.3, for road and street lighting, Criterion C applies."

### 7 Modification to "Bibliography"

Remove the following entry, including its footnote 1:

"IEC 60050-845:—<sup>1</sup>, International Electrotechnical Vocabulary – Part 845: Lighting

<sup>1</sup> Second edition under preparation. Stage at the time of publication IEC CFDIS 60050-845:2020."

Replace "IEC 60598-2-22" with "EN 60598-2-22:2014".

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<sup>1</sup> As impacted by EN 60598-2-22:2014/AC:2015, EN 60598-2-22:2014/AC:2016-09 and EN 60598-2-22:2014/A1:2020.

EN 60598-2-22:2014/AC:2016-05,

## 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-161		International Electrotechnical Vocabulary (IEV) - Part 161: Electromagnetic compatibility		
IEC 60050-845		International Electrotechnical Vocabulary (IEV) - Part 845: Lighting		
IEC 60598-1	2014	Luminaires - Part 1: General requirements and tests	EN IEC 60598-1	2015
IEC 61000-4-2	2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	2009
IEC 61000-4-3	2006	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated radio-frequency, electromagnetic field immunity test	EN 61000-4-3	2006
+A1	2007		+A1	2008
+A2	2010		+A2	2010
IEC 61000-4-4	2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2012
IEC 61000-4-5	2014	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	EN 61000-4-5	2014
+A1	2017		+A1	2017
IEC 61000-4-6	2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	EN 61000-4-6	2014
IEC 61000-4-8	2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	EN 61000-4-8	2010