



# SLOVENSKI STANDARD

## SIST EN 62722-1:2016

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**Tehnične lastnosti svetilk - 1. del: Splošne zahteve (IEC 62722-1:2014)**

Luminaire performance - Part 1: General Requirements (IEC 62722-1:2014)

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Svetila

Luminaires

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62722-1**

January 2016

ICS 29.140.40

English Version

**Luminaire performance - Part 1: General requirements  
(IEC 62722-1:2014 , modified)**

Performance des luminaires -  
Partie 1: Exigences générales  
(IEC 62722-1:2014 , modifiée)

Arbeitsweise von Leuchten -  
Teil 1: Allgemeine Anforderungen  
(IEC 62722-1:2014 , modifiziert)

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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**

## European foreword

The text of document 34D/1132/FDIS, future edition 1 of IEC 62722-1, prepared by SC 34D "Luminaires" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62722-1:2016.

A draft amendment, which covers common modifications to IEC 62722-1:2014 (34D/1132/FDIS), was prepared by CLC/TC 34Z "Luminaires and associated equipment" and approved by CENELEC.

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) 2016-11-09
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-09

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62722-1:2014 are prefixed "Z".

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.

SIST EN 62722-1:2016

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

For the relationship with EU Regulation (EC) No. 245/2009, see informative Annex ZZ, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 62722-1:2014 was approved by CENELEC as a European Standard with agreed common modifications.

### COMMON MODIFICATIONS

#### Modification to Clause 1 Scope

*Replace the last paragraph by the following:*

“For some types of general purpose luminaires (e.g. decorative), the provision of all performance data under the scope of this standard may not be appropriate.

For special purpose luminaires (e.g. emergency escape lighting), the provision of selected basic performance data under the scope of this standard only could be appropriate (e. g. input power).”

#### Modification to Clause 2 Normative references

*Add the following new reference:*

EN 13032-2:2004, *Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 2: Presentation of data for indoor and outdoor work places*

#### Modification to Clause 4 General requirements

*Add the following after 4.6:* <https://standards.iteh.ai/catalog/standards/sist/52c5673a-0b73-4349-b3c4-61e97a0dadd9/sist-en-62722-1-2016>

“4.Z1 Where a Commission Regulation specifies limits for parameters, these limits shall be used instead of the limits specified in this standard.”

#### Modification to Clause 6 Photometric data

*Replace the 2<sup>nd</sup> paragraph after Note 2 (before “The distribution of luminous intensity ...”) by the following:*

“When a CEN flux code is provided, it shall be calculated in accordance with EN 13032-2.”

#### Modifications to annexes

*Add the following at the end of Clause B.8:*

“The power consumption when the operated lamps do not emit any light in normal operating conditions is measured excluding the power consumed by sensors, network connections and other auxiliary loads.”

*Add the following new annexes.*

## 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>
-	-	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places	EN 13032-2	2004
IEC 60598-1	-	Luminaires - Part 1: General requirements and tests	EN 60598-1	-
IEC 60598-2	series	Luminaires - Part 2: Particular requirements	EN 60598-2	series
IEC 60598-2-22	-	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	EN 60598-2-22	-
IEC 62722-2	series	Luminaire performance - Part 2: Particular requirements	EN 62722-2	series
CIE 34	1977	Road lighting lantern and installation data: photometrics, classification and performance	-	-
CIE 43	1979	Photometry of floodlights	-	-
CIE 121	1996	The photometry and goniophotometry of luminaires	-	-
CIE 121 SPI	2009	The photometry and goniophotometry of luminaires - supplement 1: luminaires for emergency lighting	-	-

## Annex ZZ (informative)

### Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EC) No 245/2009 aimed to be covered

This European standard has been prepared under a Commission's standardisation request M/495\_Am3 to provide one voluntary means of conforming to the ecodesign requirements of Commission Regulation (EC) No 245/2009 of 18 March 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps, and repealing Directive 2000/55/EC of the European Parliament and of the Council [OJ L 76, 24.3.2009, p. 17–44].

Once this standard is cited in the Official Journal of the European Union under that Regulation, 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 ecodesign requirements of that Regulation and associated EFTA Regulations.

**Table ZZ.1 – Correspondence between this European Standard and Commission Regulation (EC) No 245/2009 of 18 March 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for fluorescent lamps without integrated ballast, for high intensity discharge lamps, and for ballasts and luminaires able to operate such lamps, and repealing Directive 2000/55/EC of the European Parliament and of the Council [OJ L 76, 24.3.2009, p. 17–44] and Commission's standardisation request M/495\_Am3**

<b>Ecodesign requirements of Regulation No 245/2009</b> [OJ L 76, 24.3.2009, p. 17–44]	<b>Clause(s) / sub-clause(s) of this EN</b>	<b>Remarks / Notes</b>
Power consumption when the operated lamps do not emit any light in normal operating conditions	Clause 7 (rated standby power) and Clause B.8	
CEN flux code or photometric file <sup>a</sup> (for Information on Best Available Technology on the market)	Clause 6	
Maintenance instructions to ensure that the luminaire maintains, as far as possible, its original quality throughout its lifetime	9.2	
Disassembly instructions.	9.3	
a See Annex V "Indicative benchmarks for fluorescent and high intensity discharge products (for information)", item 4 "Luminaire product information".		

**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 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 products falling within the scope of this standard.

**EN 62722-1:2016****Modifications to Bibliography**

*Add the following note for the standard indicated:*

IEC 61231	NOTE	Harmonized as EN 61231.
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*Add the following new references*

EN 13032-1:2004+A1:2012, *Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 1: Measurement and file format*

EN 13032-3:2007, *Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 3: Presentation of data for emergency lighting of work places*

EN 13201-3:2003, *Road lighting – Part 3: Calculation of performance*

EN 61341:2011, *Method of measurement of centre beam intensity and beam angle(s) of reflector lamps (IEC/TR 61341:2010)*

EN 62504:2014, *General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions (IEC 62504:2014)*

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IEC 62722-1

Edition 1.0 2014-09

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Luminaire performance –  
Part 1: General requirements**

**STANDARD PREVIEW**  
(standards.iteh.ai)

**Performance des luminaires –  
Partie 1: Exigences générales**

[SIST EN 62722-1:2016](#)

[https://standards.iteh.ai/catalog/standards/sist/52c5673a-0b73-4349-b3c4-61e97a0dadd9/sist-en-62722-1-2016](#)

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LUMINAIRE PERFORMANCE –****Part 1: General requirements****FOREWORD**

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International Standard IEC 62722-1 has been prepared by subcommittee 34D: Luminaires, of IEC technical committee 34: Lamps and related equipment.

This first edition cancels and replaces IEC PAS 62722-1 published in 2011 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC PAS 62722-1.

- a) The inclusion of more precise requirements for the comparison of the photometric distribution shape, with the comparison method given in Annex D.
- b) Further regional standards added to the schedule given in Annex A