



SLOVENSKI STANDARD

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Svetloba in razsvetljava - Merjenje in podajanje fotometrijskih podatkov svetlobnih virov in svetilk - 2. del: Podajanje podatkov za delovna mesta v notranjih prostorih in na prostem

Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places

Licht und Beleuchtung - Messung und Darstellung photometrischer Daten von Lampen und Leuchten - Teil 2: Darstellung der Daten für Arbeitsstätten in Innenräumen und im Freien

Lumière et éclairage - Mesure et présentation des données photométriques des lampes et luminaires - Partie 2 : Présentation des données utilisés dans les lieux de travail intérieurs et extérieurs

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English Version

Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places

Mesure et présentation des données photométriques des lampes et luminaires - Partie 2 : Présentation des données utilisés dans les lieux de travail intérieur et extérieurs

Messung und Darstellung photometrischer Daten von Lampen und Leuchten - Teil 2: Darstellung der Daten für Arbeitsstätten in Innenräumen und im Freien

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 169.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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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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prEN 13032-2:2016 (E)

European foreword

This document (prEN 13032-2:2016) has been prepared by Technical Committee CEN/TC 169 “Light and lighting”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 13032-2:2004.

Introduction

There are many lighting solutions that can satisfy the lighting criteria specified in EN 12464-1 and EN 12464-2. To design these solutions, photometric data of the equipment are required. The equipment may include the commonly used general purpose luminaires as well as uplighters, wall washers, adjustable directional lights, floodlights, desk lights, etc. This document specifies the required data.

prEN 13032-2:2016 (E)

1 Scope

This European Standard specifies the required data for lamps and luminaires for the verification of conformity to the requirements of EN 12464-1 and EN 12464-2. It also specifies data that are commonly used for lighting of indoor and outdoor work places. When these data are provided, they should conform to this document.

An increasing number of luminaires mainly those with LED are luminaires with non-replaceable light sources. Therefore data should always be given for luminaires. For luminaires with replaceable lamps, lamp data should also be provided.

NOTE Product, safety and performance data can be found in CENELEC documents (see Bibliography).

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.

EN 12464-1, *Light and lighting - Lighting of work places - Part 1: Indoor work places*

EN 12464-2:2014, *Light and lighting - Lighting of work places - Part 2: Outdoor work places*

EN 12665, *Light and lighting - Basic terms and criteria for specifying lighting requirements*

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

CIE 117:1995, *Discomfort glare in interior lighting*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12665 and the following apply.

3.1 lamp energy efficiency class
lamp energy efficiency class assigned to the lamp in accordance with the energy efficiency index defined in Reg. 874/2012

3.2 luminaire lumen maintenance factor
ratio of luminous flux of a luminaire at a given time in the life to the initial luminous flux

3.3 luminaire survival factor
fraction of the total number of luminaires which continue to operate at a given time under defined conditions and switching frequency

3.4 upward flux fraction (of a luminaire)
ratio of the upward flux to the total flux of a luminaire