

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

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13032-2:2005 sisaldab Euroopa standardi EN 13032-2:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13032-2:2005 consists of the English text of the European standard EN 13032-2:2004.</p> <p>This document is endorsed on 25.01.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This document specifies the required data for lamps and luminaires for the verification of conformity to the requirements of EN 12464-1 and prEN 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.</p>	<p><b>Scope:</b></p> <p>This document specifies the required data for lamps and luminaires for the verification of conformity to the requirements of EN 12464-1 and prEN 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.</p>
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ICS 17.180.20; 29.140.01

English version

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

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

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

This European Standard was approved by CEN on 15 November 2004.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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## Foreword

This document (EN 13032-2:2004) has been prepared by Technical Committee CEN/TC 169 "Light and lighting", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## Introduction

There are many lighting solutions that can satisfy the lighting criteria specified in EN 12464-1 and prEN 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.

## 1 Scope

This document specifies the required data for lamps and luminaires for the verification of conformity to the requirements of EN 12464-1 and prEN 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.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

prEN 12464-2, *Light and lighting — Lighting of work places — Part 2: Outdoor work places*

EN 12665:2002, *Light and lighting — Basic terms and criteria for specifying lighting requirements*

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 12665:2002 and the following apply.

NOTE This Clause defines terms and quantities that are in use and important to this document, and which are not given in IEC 60050-845.

### 3.1

#### **correction factor**

factor to modify the luminaire data as presented on a particular photometric data sheet to those of similar luminaires (for example: Ballast Lumen Factor, length, lumen corrections)

### 3.2

#### **essential data**

lamp and luminaire data required for the verification of conformity to the requirements of EN 12464-1 and prEN 12464-2

### 3.3

#### **lamp code**

any combination of letters and numbers by which the lamp type is identified

### 3.4

#### **lamp dimensions**

all dimensions of the lamp that are relevant for the luminaire

### 3.5

#### **lamp energy efficiency class (LEEC)**

lamp energy efficiency class assigned to the lamp in accordance with the energy efficiency index defined in the Lamps Directive 98/11/EC and measured in accordance with EN 50285

### 3.6

#### **luminaire code**

any combination of letters and numbers by which the luminaire type is identified