



NSAI
Standards

Irish Standard
I.S. EN 13032-2:2017

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

I.S. EN 13032-2:2017

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN 13032-2:2017 is the adopted Irish version of the European Document EN 13032-2:2017, Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places

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EUROPEAN STANDARD

EN 13032-2

NORME EUROPÉENNE

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November 2017

ICS 17.180.20; 29.140.01

Supersedes EN 13032-2:2004

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
données photométriques des lampes et luminaires -
Partie 2: Présentation des données utilisés 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 18 September 2017.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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EN 13032-2:2017 (E)

European foreword

This document (EN 13032-2:2017) 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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13032-2:2004.

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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.

EN 13032-2:2017 (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, *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
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

F_{LuLM}

ratio of luminous flux of a luminaire at a given time in the life to the initial luminous flux

Note 1 to entry: The luminaire lumen maintenance factor is applied like the lamp lumen maintenance factor but only to luminaires having non replaceable lamps.

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