

# ILNAS

Institut luxembourgeois de la normalisation  
de l'accréditation, de la sécurité et qualité  
des produits et services

## ILNAS-EN 13032-3:2021

### **Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 3: Presentation of data for emergency**

Lumière et éclairage - Mesure et  
présentation des données  
photométriques des lampes et des  
luminaires - Partie 3 : Présentation des

Licht und Beleuchtung - Messung und  
Darstellung photometrischer Daten von  
Lampen und Leuchten - Teil 3:  
Darstellung von Daten für die

## National Foreword

This European Standard EN 13032-3:2021 was adopted as Luxembourgish Standard ILNAS-EN 13032-3:2021.

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ILNAS-EN 13032-3:2021

**EUROPEAN STANDARD** **EN 13032-3**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

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English Version

**Light and lighting - Measurement and presentation of  
photometric data of lamps and luminaires - Part 3:  
Presentation of data for emergency lighting of workplaces**

Lumière et éclairage - Mesure et présentation des données photométriques des lampes et des luminaires  
- Partie 3 : Présentation des données relatives à l'éclairage de sécurité des lieux de travail

Licht und Beleuchtung - Messung und Darstellung photometrischer Daten von Lampen und Leuchten - Teil 3: Darstellung von Daten für die Notbeleuchtung von Arbeitsstätten

This European Standard was approved by CEN on 27 September 2021.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 13032-3:2021) 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 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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 13032-3:2007.

EN 13032-3:2021 includes the following significant technical changes with respect to EN 13032-3:2007:

- updated normative references and bibliography;
- consideration of LED technology and the change in luminaire design from lamps to light sources;
- consideration of data requirements for luminaires with replaceable and non-replaceable light sources. This includes information on normalised and absolute photometric measurement data and expanded maintenance factor data.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

## Introduction

Emergency lighting for work and other places is required by National Regulations in a number of European countries and the lighting criteria is specified in EN 1838. To assist in the design of suitable emergency lighting solutions photometric and other characteristics data are required for the selected equipment. This document specifies the required data to check the conformity of the emergency lighting luminaires to EN 1838.

## 1 Scope

This document specifies the required data for lamps and luminaires for the verification of conformity to the requirements of EN 1838. This document does not define the data requirements for signage, as these can be found in EN 1838.

This document is used in conjunction with EN 13032-1 and EN 13032-4.

This document specifies the requirements for emergency lighting with or without a replaceable light source.

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

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 1838, *Lighting applications - Emergency lighting*

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

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

EN 13032-2, *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 13032-4, *Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires*

## 3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **correction factor**

factor to modify the luminaire data as presented on a particular photometric data sheet to those of similar luminaires

**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 1838

### 3.3

#### **lamp code**

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