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BIM Properties for lighting - Luminaires and sensing devices

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/21

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English Version

BIM Properties for lighting - Luminaires and sensing devices

BIM Propriétés pour l'éclairage - Luminaires et capteurs

BIM Merkmale für die Beleuchtung - Leuchten und Sensoren

This Technical Specification (CEN/TS) was approved by CEN on 12 March 2021 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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

CEN/TS 17623:2021 (E)

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European foreword

This document (CEN/TS 17623:2021) has been prepared by Technical Committee CEN/TC 169 “Light and lighting”, the secretariat of which is held by DIN.

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CEN/TS 17623:2021 (E)**Introduction**

Building Information Modelling (BIM) is a concurrent process that gives engineering and construction professionals the tools to more efficiently plan, construct, and manage buildings and infrastructure.

Within standardization committees much work is being performed to define the fundamental principles of BIM that will allow this to happen in an effective and consistent manner.

For lighting applications, it is essential that this work is monitored and, where required, input is made to ensure that the requirements for lighting applications are considered.

1 Scope

This document identifies and clarifies lighting properties for digital building design and maintenance.

This document provides all the needed properties to design and to describe luminaires and sensing devices. These properties are intended to be used as mapping properties for property providers and requesters. The mapping of the identifiers enables the exchange of luminaire and sensing device data within different databases.

The unambiguous mapping and description of properties improve the data quality, reduce misinterpretations and the processing time in digital environments. Therefore, the properties listed in this document establish the essential description of luminaires and sensing devices in BIM systems and databases.

The listed properties in this document are used to structure the product data sheet which is complemented with real product information.

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 12464-1:2011, *Light and lighting - Lighting of work places - Part 1: Indoor work places*

EN 60598-1, *Luminaires - Part 1: General requirements and tests*

EN 60598-2-13:2006,¹ *Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires*

EN 60598-2-22:2014,² *Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting*

EN 61231, *International lamp coding system (ILCOS) (IEC 61231)*

EN ISO 23386, *Building information modelling and other digital processes used in construction - Methodology to describe, author and maintain properties in interconnected data dictionaries (ISO 23386)*

ISO 8601-1, *Date and time - Representations for information interchange - Part 1: Basic rules*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ As impacted by corrigendum EN 60598-2-13:2006/corrigendum Dec. 2006 and amendments EN 60598-2-13:2006/A1:2012 and EN 60598-2-13:2006/A1:2016.

² As impacted by amendment EN 60598-2-22:2014/A1:2020.