

STN P	Svetlo a osvetlenie Uvedenie osvetľovacích sústav v budovách do prevádzky	STN P CEN/TS 18036 36 0062
------------------	--	--

Light and lighting - Commissioning of lighting systems in buildings

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. 07/24

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do mája 2026 Úradu pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky.

Obsahuje: CEN/TS 18036:2024

138838

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

TECHNICAL SPECIFICATION

CEN/TS 18036

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

May 2024

ICS 91.160.10

English Version

Light and lighting - Commissioning of lighting systems in buildings

Lumière et éclairage - Mise en service des systèmes d'éclairage dans les bâtiments

Licht und Beleuchtung - Inbetriebnahme von Beleuchtungsanlagen in Gebäuden

This Technical Specification (CEN/TS) was approved by CEN on 15 March 2024 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.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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, Türkiye 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

CEN/TS 18036:2024 (E)

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	General aspects	6
4.1	Benefits of commissioning for lighting systems	6
4.2	The need for commissioning	7
4.3	Overview of commissioning	7
4.4	Content of commissioning for lighting systems	8
4.5	The acceptance of commissioning deliverables	8
5	Commissioning methods and selection	8
5.1	Methods of commissioning	8
5.2	Selection of commissioning methods	9
6	Roles and responsibilities	10
6.1	General	10
6.2	Owner or tenant	10
6.3	Design team	10
6.4	Contractors, subcontractors and suppliers	11
6.5	Commissioning team	11
7	Commissioning activities	12
7.1	General	12
7.2	Pre-commissioning phase	12
7.3	Installation phase	12
7.4	Field commissioning phase	13
7.5	Post occupancy phase	13
8	Documentation requirements	14
8.1	General	14
8.2	Commissioning plan	14
8.3	Commissioning specification	14
8.4	Commissioning observation, inspection and calibration report	15
8.5	Issues log	15
8.6	Training plan	16
8.7	Commissioning report	16
9	Contractual completion	17
Bibliography		18

European foreword

This document (CEN/TS 18036:2024) has been prepared by Technical Committee CEN/TC 169 “Light and lighting”, the secretariat of which is held by DIN.

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 is based on ISO/TS 21274 “Light and lighting — Commissioning of lighting systems in buildings”, which was prepared by ISO/TC 274 “Light and lighting”. CEN/TC 169 decided to adapt ISO/TS 21274 integrating modifications.

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 announce this Technical Specification: 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, Türkiye and the United Kingdom.

CEN/TS 18036:2024 (E)**Introduction**

Building users are expecting a better quality of visual environment while there is also a need to reduce the impact on natural resources and minimize energy use from lighting. The use of a control system can help to deliver the correct quantity and quality of light where it is needed and when it is needed. The use of a well-designed, installed and commissioned control system can provide a high level of energy efficiency, support flexibility of use within a space and increase occupant satisfaction.

Commissioning is a quality-oriented process for achieving, verifying and documenting whether the performance of lighting systems and its associated components meets defined objectives and criteria. Potential benefits of commissioning include:

- reduced energy consumption and operating costs;
- higher user acceptance and satisfaction;
- enhanced marketability and value of commercial property;
- full accountability by project participants for the quality of their work;
- verification that a lighting system performs as intended.

The purpose of this document is to identify the minimum requirements for the commissioning of lighting systems, including roles and responsibilities, commissioning activities, documentation requirements and system handover procedure.

1 Scope

This document specifies requirements for the commissioning of lighting systems in buildings to meet defined design specifications. This document presents details of the commissioning of lighting systems without focusing on the technical characteristics of specific components.

This document can be applied to new installations or renovations of non-residential buildings and public spaces of multi-occupancy residential buildings.

This document does not cover electrical power connection aspects of lighting system components, which are deemed to be in compliance with relevant legislation or standards.

This document is not applicable to the commissioning of emergency lighting.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN