

# TECHNICAL SPECIFICATION

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**Lighting systems and related equipment – Vocabulary**



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IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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**Lighting systems and related equipment – Vocabulary**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**LIGHTING SYSTEMS AND RELATED EQUIPMENT –  
VOCABULARY**
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IEC TS 63105 has been prepared by IEC technical committee 34: Lighting.

The text of this Technical Specification is based on the following documents:

Draft	Report on voting
34/710/DTS	34/787A/RVDTS

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Specification is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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- replaced by a revised edition, or
- amended.

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## INTRODUCTION

This document was developed by TC 34 in close cooperation with

- IEC/TC 23 "Electrical accessories"
- ISO/TC 274 "Light and lighting"
- CIE International Commission on Illumination

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# LIGHTING SYSTEMS AND RELATED EQUIPMENT – VOCABULARY

## 1 Scope

This document establishes terms and definitions in the field of lighting systems and related equipment.

Terminological literature for other fields of lighting is listed in the bibliography.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

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

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

### 3.1 Lighting

#### 3.1.1

#### **lighting illumination**

application of light to a scene, objects, or their surroundings

[SOURCE: IEC 60050-845:2020, 845-29-001, modified – The note has been deleted.]

#### 3.1.2

#### **adaptive lighting**

lighting responding to circumstances or according to predefined conditions, while maintaining the lighting quality within the specified requirements for these circumstances or conditions

Note 1 to entry: The requirements can focus on different aspects such as energy efficiency, dynamic user needs, visual tasks or ambience.

Note 2 to entry: The terms "smart lighting" and "intelligent lighting" are sometimes used with a similar meaning.

[SOURCE: IEC 60050-845:2020, 845-29-027]

#### 3.1.3

#### **integrative lighting**

lighting integrating both visual and non-visual effects, and producing physiological and/or psychological benefits upon humans

Note 1 to entry: The term "integrative lighting" applies only to humans.

Note 2 to entry: Lighting primarily for therapeutic purposes (light therapy) is not included.

Note 3 to entry: The term "human-centric lighting" is used with a similar meaning.

[SOURCE: IEC 60050-845:2020, 845-29-028]