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**LIGHT AND LIGHTING - LIGHTING OF WORK  
PLACES - PART 1: INDOOR WORK PLACES**

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English version

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

Lumière et éclairage - Eclairage des lieux de travail - Partie  
1: Lieux de travail intérieur

Licht und Beleuchtung - Beleuchtung von Arbeitsstätten -  
Teil 1: Arbeitsstätten in Innenräumen

This European Standard was approved by CEN on 16 October 2002.

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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 Management Centre has the same status as the official versions.

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# EN 12464-1:2002 (E)

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## **Foreword**

This document EN 12464-1:2002 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of an identical text or by endorsement, at the latest by May 2003, and conflicting national standards shall be withdrawn at the latest by May 2003.

Annex A is informative.

This document includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## EN 12464-1:2002 (E)

### Introduction

To enable people to perform visual tasks efficiently and accurately, adequate and appropriate lighting should be provided. The illumination can be provided by daylight, artificial lighting or a combination of both.

The degree of visibility and comfort required in a wide range of work places is governed by the type and duration of activity.

This standard specifies requirements for lighting systems for most indoor work places and their associated areas in terms of quantity and quality of illumination. In addition recommendations are given for good lighting practice.

It is important that all clauses of the standard are followed although the specific requirements are tabulated in the schedule of lighting requirements (see clause 5).

### 1 Scope

This European Standard specifies lighting requirements for indoor work places, which meet the needs for visual comfort and performance. All usual visual tasks are considered, including Display Screen Equipment (DSE).

This European Standard does not specify lighting requirements with respect to the safety and health of workers at work and has not been prepared in the field of application of Article 137 of the EC treaty, although the lighting requirements, as specified in this standard, usually fulfil safety needs. Lighting requirements with respect to the safety and health of workers at work may be contained in Directives based on Article 137 of the EC treaty, in national legislation of member states implementing these directives or in other national legislation of member states.

This standard neither provides specific solutions, nor restricts the designers freedom from exploring new techniques nor restricts the use of innovative equipment.

This standard is not applicable for the lighting of outdoor work places and underground mining.

### 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12193		<i>Light and lighting - Sports lighting.</i>
EN 12665:2002		<i>Light and lighting - Basic terms and criteria for specifying lighting requirements.</i>
prEN 13032-1		<i>Lighting applications - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement.</i>
CIE 117	1995	<i>Discomfort glare in interior lighting.</i>

### 3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 12665:2002 and the following apply.

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