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English version

## Road lighting - Part 1: Selection of lighting classes

Eclairage public - Partie 1: Sélection des classes  
d'éclairage

Straßenbeleuchtung - Teil 1: Auswahl der  
Beleuchtungsklassen

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## Foreword

This document CEN/TR 13201-1:2004 has been prepared by Technical Committee CEN/TC 169 "Light and Lighting", the secretariat of which is held by DIN.

Road lighting is dealt with by CEN as follows:

CR 13201-1: *Road lighting – Part 1: Selection of lighting classes.*

EN 13201-2: *Road lighting – Part 2: Performance requirements.*

EN 13201-3: *Road lighting – Part 3: Calculation of performance.*

EN 13201-4: *Road lighting – Part 4: Methods of measuring the light performance of installations.*

## Introduction

This document offers further guidance on the selection of lighting classes and related aspects. It is applicable to fixed lighting installations intended to provide good visibility to users of outdoor public traffic areas during the hours of darkness to support traffic safety, traffic flow and public security.

## 1 Scope

This document specifies the lighting classes set out in EN 13201-2 and gives guidelines on the application of these classes. To do this, it includes a system to define an outdoor public traffic area in terms of parameters relevant to lighting. To assist in the application of classes, it suggests a practical relationship between the various series of lighting classes, in terms of comparable or alternative classes.

It also gives guidelines on the selection of the relevant area to which the lighting classes from EN 13201-2 and the calculation grids and procedure from EN 13201-3 should be applied.

The parameters used in this document allow:

- a) a lighting situation to be described in terms of:
  - the geometry of the area under consideration;
  - the use of the area;
  - the influence of the surrounding environment;
- b) a specific approach to situations to be taken to enable the effective use of energy.

This document does not give the criteria on which a decision to light an area can be made, nor on how a lighting installation should be used.

This document does not give guidelines on the selection of lighting classes for toll stations, tunnels or canals and locks.

## 2 Normative references

The following referenced documents are indispensable for the application 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 13201-2:2003, *Road lighting – Part 2: Performance requirements*.

EN 13201-3:2003, *Road lighting – Part 3: Calculation of performance*.

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13201-2:2003, EN 13201-3:2003 and the following terms and definitions apply.

### 3.1

#### **user type**

category of person or vehicle in an outdoor public traffic area

NOTE In this document, only user types as specified in this Clause are considered.

### 3.2

#### **motorised traffic (M)**

motor powered vehicles other than slow moving vehicles