



**National Standards Authority of Ireland**

**STANDARD**

**I.S. EN 50172:2004**

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## **EMERGENCY ESCAPE LIGHTING SYSTEMS**

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English version

## **Emergency escape lighting systems**

Systèmes d'éclairage de sécurité

Sicherheitsbeleuchtungsanlagen

This European Standard was approved by CENELEC on 2004-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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# **CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

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## Foreword

This European Standard was prepared by the former CENELEC BTTF 62-8, Emergency lighting systems.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50172 on 2004-03-01.

For emergency lighting systems, it should be read in conjunction with EN 50171 and EN 1838.

Attention is drawn to the Council Directive 92/58/EEC of 24 June 1992 on the minimum requirements for provision of safety and/or health signs at work.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2005-03-01
  - latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-03-01
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## 1 Scope

This European Standard specifies the provision of illumination of escape routes and safety signs in the event of failure of the normal supply, and specifies the minimum provision of such emergency lighting based on the size, type and usage of the premises. This standard relates to the provision of electric emergency escape lighting in all work places and premises open to the public.

This European Standard does not cover private domestic premises but its provisions are applicable to common access routes within multi-storey dwellings.

This European Standard is also applicable to standby lighting used as emergency escape lighting.

There are emerging way guidance techniques that, when applied to escape routes in addition to conventional emergency lighting luminaires, can enhance its effectiveness in an emergency.

## 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 81-1	Safety rules for the construction and installation of lifts and service lifts - Part 1: Electric lifts
EN 1838:1999	Lighting applications - Emergency lighting
EN 13032 (series)	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires
EN 50171	Central power supply systems
EN 50272-2	Safety requirements for secondary batteries and battery installations Part 2: Stationary batteries
EN 60529	Degrees of protection provided by enclosures (IP Code) (IEC 60529)
EN 60598-2-22:1998	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting (IEC 60598-2-22:1997, modified)
EN 62034 <sup>1)</sup>	Automatic test system for battery powered emergency escape lighting
HD 384/HD 60364 series	Electrical installations of buildings (IEC 60364 series, modified)
ISO 8528-12	Reciprocating internal combustion engine driven alternating current generating sets - Part 12: Emergency power supply to safety devices

## 3 Definitions

For the purposes of this standard the following definitions apply:

### 3.1

#### premises

the whole or part of a building treated as a single unit for the purposes of applying this standard

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<sup>1)</sup> At draft stage.

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