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IRISH STANDARD

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**TRAFFIC CONTROL EQUIPMENT - WARNING  
AND SAFETY LIGHT DEVICES**

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EUROPEAN STANDARD

**EN 12352**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2006

ICS 93.080.30

Supersedes EN 12352:2000

English Version

## Traffic control equipment - Warning and safety light devices

Équipement de régulation du trafic - Feux de balisage et d'alerte

Anlagen zur Verkehrssteuerung - Warn- und Sicherheitsleuchten

This European Standard was approved by CEN on 27 February 2006.

CEN 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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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## **Foreword**

This European Standard (EN 12352:2006) has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by October 2006, and conflicting national standards shall be withdrawn at the latest by January 2008.

This European Standard supersedes EN 12352:2000.

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

## EN 12352:2006 (E)

### 1 Scope

This European Standard specifies the requirements for individual electrically operated light devices, called warning lights, emitting a continuous or regular intermittent light of a single colour which, by their colour and position alone, are used to warn, inform or guide road users. It specifies the requirements for visual, structural and operational performances and the relevant test methods to be used. These devices rely upon existing furniture to provide the mounting.

This European Standard is not applicable to lighting devices which convey messages by additional means (e.g. variable message signs) or which convey a mandatory instruction (e.g. traffic signals) or which are covered by vehicle lighting regulations.

This European Standard does not consider horizontal loads because it is the mounting to which they are fixed, which is not covered by this European Standard, which has to resist applied horizontal loads.

### 2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50293, *Electromagnetic compatibility — Road traffic signal systems — Product standard*

EN 60068-2-1, *Environmental testing — Part 2: Tests — Test A: Cold (IEC 60068-2-1:1990)*

EN 60068-2-2, *Basic environmental testing procedures — Part 2: Tests — Test B: Dry heat (IEC 60068-2-2:1974 + IEC 60068-2-2A:1976)*

EN 60529, *Degree of protection provided by enclosures (IP code) (IEC 60529:1989)*

EN 60598-1:2004, *Luminaires — Part 1: General requirements and tests (IEC 60598-1:2003 + Corrigendum 2004, modified)*

CIE 15, *Colorimetry*

CIE 17-4:1987, *International lighting vocabulary*

CIE 39.2, *Recommendations for surface colours for visual signalling*

CIE 54.2:2001, *Retroreflection — Definition and measurement*

CIE 69, *Methods of characterizing illuminance meters and luminance meters — Performance, characteristics and specifications*

HD 384.4, *Electrical installation of buildings — Part 4: Protection for safety*

HD 638, *Road traffic signal systems*

*Council Directive 73/23/EEC of 19 February 1973 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits*

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