



NSAI
Standards

Irish Standard
I.S. EN 12676-1:2000

Anti-glare systems for roads - Part 1: Performance and characteristics

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I.S. EN 12676-1:2000

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English version

Anti-glare screens for roads - Part 1: Performance and characteristics

Ecrans anti-éblouissement routiers - Partie 1:
Performances et caractéristiques

Blendschutzzäune für Straßen - Teil 1: Anforderungen und
Eigenschaften

This amendment A1 modifies the European Standard EN 12676-1:2000; it was approved by CEN on 9 January 2003.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN 12676-1:2000/A1:2003) has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN 12676-1:2000 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by January 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this standard.

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EUROPEAN STANDARD

EN 12676-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2000

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English version

Anti-glare systems for roads - Part 1: Performance and characteristics

Systèmes anti-éblouissement routiers - Partie 1:
Performances et caractéristiques

Blendschutzsysteme für Straßen - Teil 1: Anforderungen
und Eigenschaften

This European Standard was approved by CEN on 18 February 2000.

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Foreword

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This European Standard consists of the following Parts under the general title :

Anti-glare systems for roads :

- Part 1 : Performance and characteristics ;
- Part 2 : Test methods.

NOTE This draft standard was submitted to the CEN Enquiry as prEN 12676:1999.

Annex A of this European Standard is informative.

Introduction

Anti-glare systems consist of manufactured equipment which reduces the glare of approaching headlights or of other external light sources.

Anti-glare systems are generally installed on public roads when it is considered beneficial to reduce the effect of glare. Common situations where anti-glare systems may be used are as follows :

- a) in the central reservation of dual carriageway roads and motorways ;
- b) between parallel or converging roads where traffic is travelling in opposing directions ;
- c) glaring light sources reflecting on installations and buildings adjacent to the road ;
- d) glaring light from installations and buildings adjacent to the road.

The test methods for verification of conformity to the performance requirements of this standard are given in EN 12676-2.

1 Scope

This Part of EN 12676 specifies the characteristics of an anti-glare system in terms of its optical effectiveness and of the mechanical performance of its elements. It gives a method for the determination of the optical performance of anti-glare systems by calculation. Requirements and recommendations for the design of anti-glare systems to minimize maintenance are also given.

This Part of EN 12676 does not apply to :

- types of anti-glare systems other than those attached to safety barriers;
- regulatory characteristics which might be required to ensure that anti-glare systems are compatible with road signs;
- specific requirements resulting from extreme environmental conditions experienced in some European countries.

2 Normative references

This Part of EN 12676 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 Part of EN 12676 only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 1317-2 Road restraint systems - Part 2 : Performance classes, impact test acceptance criteria and test methods for safety barriers

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