

EUROPEAN STANDARD  
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**DRAFT**  
**EN 12899-2:2007**

**prA1**

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English Version

## Fixed, vertical road traffic signs - Part 2: Transilluminated traffic bollards (TTB)

Signaux fixes de signalisation routière verticale – Partie 2:  
Bornes lumineuses

Ortsfeste, vertikale Straßenverkehrszeichen - Teil 2:  
Innenbeleuchtete Verkehrsleitsäulen (TTB)

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 226.

This draft amendment A1, if approved, will modify the European Standard EN 12899-2:2007. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
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## **Foreword**

This document (EN 12899-2:2007/prA1:2010) has been prepared by Technical Committee CEN/TC 226 "Road equipment" the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

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 document.

The amendment of the following parts of EN 12899-2:2007 have become necessary to incorporate Part 6 of this Standard which deals with the visual performance of retroreflective sheeting materials.

## 1 Modification to Foreword

*In paragraph 2,*

*line 2 – delete “May 2008” and replace with “month year”*

*line 3 – delete “August 2009” and replace with “month year”*

*Insert the following text between paragraphs 2 and 3:*

“This document includes Amendment 1 which became necessary to incorporate Part 6 of this Standard which deals with the visual performance of retroreflective sheeting materials.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.”

*In paragraph 3, delete existing text and replace with “This document supersedes EN 12899-2:2007.”*

*In paragraph 6, add “Part 6: Performance of retroreflective sign face materials” to the end of the list*

## 2 Modification to Clause 2, Normative references

*Amend reference to “EN 12899-1:2007” to read “EN 12899-1” and make consequential changes throughout the document*

*Add reference to:*

“EN 12899-6, *Fixed vertical road traffic signs — Part 6: Performance of retroreflective sign face materials*”

## 3 Modification to 4.2.2, Daylight chromaticity and luminance factor

*Delete Table 3 and replace with the following text:*

**Table 3 — Chromaticity coordinates and luminance factor**

Location	Clause of EN 12899
Opaque areas	EN 12899-1, 7.3.1.3
Retroreflective areas	EN 12899-6, Clause 5
Transilluminated areas	EN 12899-1, 7.3.1.3

## 4 Modification to 4.2.4, Retroreflective material

*Line 1 – delete “EN 12899-1:2007, Table 4” and replace with “Clause 4 of EN 12899-6.”*

*Add note below paragraph with the following text:*

“NOTE: When specifying the application class and retroreflection performance class required, the purchaser will normally refer to national specifications”.

## 5 Modification to 5.5, Daylight chromaticity and luminance factor – Retroreflective material

*Line 1 – delete “EN 12899-1:2007, 4.1.1.3” and replace with “Clause 5 of EN 12899-6.”*

## 6 Modification to 5.6.7

*Delete sub-clause title and replace with “Durability”*

*Add new first paragraph with the following text:*

“For retroreflective materials, tests shall be done in accordance with Clauses 6 and 7 of EN 12899-6.”

*In existing paragraph 1,*

*line 1 – delete “Test” and replace with “For other materials, test”*

## **7 Modification to Annex ZA**

*In Table ZA.1,*

*row 11 – Resistance to UV radiation (accelerated natural weathering test)*

*column 1 – delete “accelerated”*

*In Figure ZA.1,*

*Delete “Chromaticity coordinates – NR 1 – pass” and replace with “Daylight chromaticity and luminance factors – NR1/CR1”*

*Delete “Coefficient of retroreflection – RA2 – pass” and replace with the following text:*

*“Performance/application class P4 for A11, P2 for A34”*

*Luminance – delete “ – pass”*

*Resistance to UV – delete “accelerated”*