



SLOVENSKI STANDARD
SIST EN ISO 8980-3:2000

01-julij-2000

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Ophthalmic optics - Uncut finished spectacle lenses - Part 3: Transmittance specifications and test methods (ISO 8980-3:1999)

Augenoptik - Rohkantige fertige Brillengläser - Teil 3: Transmissionsanforderungen und Prüfverfahren (ISO 8980-3:1999)

Optique ophtalmique - Verres de lunettes finis non détournés - Partie 3: Spécifications relatives au facteur de transmission et méthodes d'essai (ISO 8980-3:1999)

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Ta slovenski standard je istoveten z: **EN ISO 8980-3:1999**

ICS:

11.040.70 Oftalmološka oprema Ophthalmic equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8980-3

June 1999

ICS 11.040.70

English version

Ophthalmic optics - Uncut finished spectacle lenses - Part 3:
Transmittance specifications and test methods (ISO 8980-
3:1999)

Optique ophtalmique - Verres de lunettes finis non détournés
- Partie 3: Spécifications relatives au facteur de
transmission et méthodes d'essai (ISO 8980-3:1999)

Augenoptik - Rohkantige fertige Brillengläser - Teil 3:
Transmissionsanforderungen und Prüfverfahren (ISO 8980-
3:1999)

This European Standard was approved by CEN on 13 May 1999.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard ISO 8980-3:1999 has been prepared by Technical Committee ISO/TC 172 "Optics and optical instruments" in collaboration with Technical Committee CEN/TC 170 "Ophthalmic optics", the secretariat of which is held by DIN.

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 December 1999, and conflicting national standards shall be withdrawn at the latest by December 1999.

EN ISO 8980 consists of the following parts under the general title

Ophthalmic optics - Uncut finished spectacle lenses:

Part 1: Specifications for single-vision and multifocal lenses

Part 2: Specifications for progressive power lenses

Part 3: Transmission specifications and test methods

Part 4: Specifications and test methods for anti-reflection coatings

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

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Endorsement notice
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The text of the International Standard ISO 8980-3:1999 was approved by CEN as a European Standard without any modification. [SIST EN ISO 8980-3:2000](https://standards.iteh.ai/catalog/standards/sist/1589e995-4801-4d19-ada0-631ef767ah4e/sist-en-iso-8980-3-2000)

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NOTE: Normative references to International Standards are listed in annex ZA (normative).

ANNEX ZA (normative)**Normative references to international publications with their corresponding European publications**

This European Standard incorporates by dated or undated references, 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 European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

Publication	Year	Title	EN	Year
ISO 13666	1998	Ophthalmic optics - Spectacles lenses - Vocabulary	EN ISO 13666	1998
ISO 14889	1997	Ophthalmic optics - Spectacles lenses - Fundamental requirements for uncut finished lenses	EN ISO 14889	1997

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INTERNATIONAL STANDARD

ISO
8980-3

First edition
1999-06-01

Ophthalmic optics — Uncut finished spectacle lenses —

Part 3:

Transmittance specifications and test methods

*Optique ophtalmique — Verres de lunettes finis non détourés —
Partie 3: Spécifications relatives au facteur de transmission et méthodes
d'essai*

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Reference number
ISO 8980-3:1999(E)

ISO 8980-3:1999(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8980-3 was prepared by ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

ISO 8980 consists of the following parts, under the general title *Ophthalmic optics — Uncut finished spectacle lenses*:

- Part 1: Specifications for single-vision and multifocal lenses
- Part 2: Specifications for progressive power lenses
- Part 3: Transmittance specifications and test methods
- Part 4: Specifications and test methods for anti-reflection coatings

Annexes A and B form a normative part of this part of ISO 8980. Annex C is for information only.

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Ophthalmic optics — Uncut finished spectacle lenses —

Part 3:

Transmittance specifications and test methods

1 Scope

This part of ISO 8980 specifies requirements for the transmittance properties of uncut finished spectacle lenses.

This part of ISO 8980 is not applicable to:

- spectacle lenses having particular transmittance or absorption characteristics prescribed for medical reasons;
- products where specific personal protective equipment transmittance standards apply.

NOTE Optical and geometric requirements for uncut finished spectacle lenses are specified in ISO 8980-1 and ISO 8980-2.

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2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 8980. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 8980 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 13666:1998, *Ophthalmic optics — Spectacle lenses — Vocabulary*.

ISO 14889:1997, *Ophthalmic optics — Fundamental requirements for uncut finished spectacle lenses*.

ISO/CIE¹⁾ 10526:1991, *CIE standard colorimetric illuminants*.

ISO/CIE 10527:1991, *CIE standard colorimetric observers*.

3 Terms and definitions

For the purposes of this part of ISO 8980, the terms and definitions given in ISO 13666 apply.

1) International Commission on Illumination, Kegelgasse 27, A-1030 Vienna.