
**Ophthalmic optics — Format of digital data
files for data transfer for the profiling of
spectacle lenses —**

Part 1:
Two-dimensional tracers

*Optique ophtalmique — Format fichiers numériques utilisés pour le transfert
d'information en façonnage des verres de lunettes —*

Partie 1: Palpeurs bidimensionnels



Foreword

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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 11715 was prepared by Technical Committee ISO/TC 172, *Optics and optical instruments*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

International Standard ISO 11715 consists of the following parts, under the general title: *Ophthalmic optics — Format of digital data files for data transfer for the profiling of spectacle lenses*

- Part 1: *Two-dimensional tracers*
- Part 2: *Three-dimensional tracers*

Annexes A and B of this part of ISO 11715 are for information only.

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Ophthalmic optics — Format of digital data files for data transfer for the profiling of spectacle lenses —

Part 1: Two-dimensional tracers

1 Scope

This part of ISO 11715 specifies the content and structure of electronic data encoding for two-dimensional tracers. These data files are used to instruct electronically controlled formless spectacle-lens profiling machinery.

NOTE The electronic data files are used as an alternative to the mechanical formers specified in ISO 11380.

2 Normative references

The following International Standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11715. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11715 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 646:1991, *Information technology — ISO 7-bit coded character set for information interchange*.

ISO/IEC 2022:1994, *Information technology — Character code structure and extension techniques*.

ISO 8429:1986, *Optics and optical instruments — Ophthalmology — Graduated dial scale*.

ISO 8624:1991, *Optics and optical instruments — Ophthalmic optics — Measuring system for spectacle frames*.

ISO 11380:1994, *Optics and optical instruments — Ophthalmic optics — Formers*.

ISO 13666: — ¹⁾, *Ophthalmic optics — Spectacle lenses — Vocabulary*.

3 Definitions

For the purposes of this part of ISO 11715, the definitions given in ISO 13666 and the following definitions apply:

3.1

tracer

device to measure the spectacle lens size of spectacle frames

[see ISO 11380: 1994, 2.1]

¹⁾ To be published.