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Optics and photonics — Preparation of drawings for optical elements and systems —

Part 1: General

*Optique et photonique — Indications sur les dessins pour éléments et
systèmes optiques —*

Partie 1: Généralités



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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Fundamental stipulations	2
5 Presentation and dimensioning	3
5.1 Drawing format.....	3
5.1.1 General.....	3
5.1.2 Drawing field.....	3
5.1.3 Table field.....	3
5.1.4 Title field.....	5
5.1.5 Alternative drawing layout.....	5
5.1.6 Examples.....	5
5.2 Views.....	6
5.3 Global and Local Coordinate Systems.....	8
5.4 Axes.....	9
5.5 Leader lines.....	10
5.6 Test regions.....	10
5.7 Test fields.....	11
5.8 Test volumes.....	11
5.9 Dimensioning.....	13
5.9.1 General.....	13
5.9.2 Radius of curvature.....	13
5.9.3 Thickness.....	14
5.9.4 Diameter.....	15
5.9.5 Presentation of shapes of edges, bevels and chamfers.....	15
5.9.6 Linear dimensions.....	17
5.9.7 Angles.....	18
5.9.8 Special surfaces.....	19
5.10 Material specification.....	20
5.10.1 General.....	20
5.10.2 Crystallographic axes.....	20
5.11 Indication of optical tolerances and various properties.....	20
5.11.1 Tolerances for the position of the local coordinate systems.....	20
5.11.2 Optical properties and tolerances.....	20
5.11.3 Optical subassembly.....	21
6 Additional indications for optical layout drawings	22
6.1 General.....	22
6.2 Axial separations.....	25
6.2.1 General.....	25
6.2.2 Fixed axial separations.....	25
6.2.3 Adjustable axial separations.....	25
6.2.4 Variable axial separations.....	26
6.3 Images, pupils, field stops and other apertures.....	26
Annex A (informative) Examples of drawings of optical elements	28
Bibliography	45

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 1, *Fundamental standards*.

This third edition cancels and replaces ISO 10110-1:2006 and ISO 10110-10:2004, which have been technically revised and merged into one single document.

The main changes compared to the previous edition are as follows:

- a) Drawing scale and the reference wavelength are required to be included on the drawing;
- b) provisions have been added to allow coordinate systems to be defined for each surface and for the part as a whole;
- c) new tabular formats have been added to allow more surfaces on a tabular drawing, partially tabulated drawings, and new types of assembly drawings;
- d) a new notation for special surfaces has been added;
- e) in addition, many more examples of drawings and notations have been provided;
- f) and various detailed notes have been added, and corrections and modifications have been made for improved clarity;
- g) GSP defaults by definition no longer apply, they have to be specifically invoked.

A list of all parts in the ISO 10110 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.