
**Optics and photonics — Operation
microscopes —**

**Part 2:
Light hazard from operation microscopes
used in ocular surgery**

Optique et photonique — Microscopes chirurgicaux —

*Partie 2: Danger de la lumière provenant des microscopes opératoires
utilisés en chirurgie oculaire*



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Foreword

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The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10936-2 was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This second edition cancels and replaces the first edition (ISO 10936-2:2001) which has been technically revised.

ISO 10936 consists of the following parts, under the general title *Optics and photonics — Operation microscopes*:

- *Part 1: Requirements and test methods*
- *Part 2: Light hazard from operation microscopes used in ocular surgery*

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Optics and photonics — Operation microscopes —

Part 2:

Light hazard from operation microscopes used in ocular surgery

1 Scope

This part of ISO 10936 specifies requirements and test methods for optical radiation hazards from operation microscopes that are used during ocular surgery.

NOTE General requirements for operation microscopes and test methods for these requirements are specified in ISO 10936-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10936-1, *Optics and optical instruments — Operation microscopes — Part 1: Requirements and test methods*

ISO 15004-2:2007, *Ophthalmic instruments — Fundamental requirements and test methods — Part 2: Light hazard protection*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

Group 1 instrument

ophthalmic instrument for which no potential light hazard exists and that can be shown to fulfil the requirements of ISO 15004-2:2007, 5.2

NOTE Adapted from ISO 15004-2:2007.

3.2

Group 2 instrument

ophthalmic instrument for which a potential light hazard exists and that does not fulfil the requirements of ISO 15004-2:2007, 5.2

NOTE Adapted from ISO 15004-2:2007.