

INTERNATIONAL STANDARD

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Photography — Overhead projectors — Methods for measuring and reporting performance characteristics

*Photographie — Rétroprojecteurs — Méthodes de mesure et de
présentation des caractéristiques de fonctionnement*



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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.

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.

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Photography — Overhead projectors — Methods for measuring and reporting performance characteristics

1 Scope

This International Standard specifies methods of measurement for light output (luminous flux), uniformity of screen illumination, picture outline distortion, maximum available projection elevation and temperature rise on the projection stages of overhead projectors of the types specified in ISO 7943-1. It includes a form of reporting the results of the measurements.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 554:1976, *Standard atmospheres for conditioning and/or testing — Specifications*.

ISO 7329:1989, *Photography — Slide projectors — Determination of temperature rise in the picture area using a glass sandwich test slide*.

ISO 7943-1:1987, *Photography — Overhead projectors — Part 1: Projection stages — Dimensions*.

ISO 7943-2:1987, *Photography — Overhead projectors — Part 2: Transparencies and transparency frames — Dimensions*.

IEC 38:1983, *IEC standard voltages*.

IEC 357:1982, *Tungsten halogen lamps (non-vehicle)*.

CIE 15 (E-1.3.1.):1971, *Colorimetry — Official recommendations of the International Commission on Illumination*.

3 Definitions

For definitions of terms related to overhead projectors, see ISO 7943-1 and ISO 7943-2.

4 Information to be supplied

In order to specify appropriate conditions of use and of measurements, and to enable the testing laboratory to describe the equipment sufficiently fully in the test report, the following information shall be provided by the manufacturer or national distributor to the testing laboratory:

- a) Name of manufacturer.
- b) Name of national distributor.
- c) Country of manufacture.
- d) Brand name(s) under which the projector is sold:
 - 1) nationally;
 - 2) internationally.
- e) Model number.
- f) Nominal size of projection stage aperture.
- g) Projector system (transmissive or reflective).
- h) Details of projection lens (number of elements and focal length).
- i) Details of rated electrical supply or supplies (see IEC 38).
- j) Details of electrical rating of replacement lamps (see IEC 357).