

BUREAU OF INDIAN STANDARDS

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मसौदा भारतीय मानक
कैथोड-रे ट्यूब स्क्रीन द्वारा उत्सर्जित प्रकाश के मापन
की फोटोमेट्रिक और कलरिमेट्रिक विधियाँ
(पहला परिशोधन)

Draft Indian Standard
***Photometric and Colorimetric Methods of
Measurement of the Light Emitted by a
Cathode-Ray Tube Screen***
(*First Revision*)

ICS No.: 31.120

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NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (First Revision) which is identical to IEC 60441:1974 ‘Photometric and colorimetric methods of measurement of the light emitted by a cathode-ray tube screen’ issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of the Electronic Display Devices and systems Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 1982 and was assistance has been derived from the IEC Pub 441: 1974. The first revision aligns this Indian Standard with IEC 60441:1974, there is a need to align the formatting and appearance of the standard as per the current practice.

The following changes has been required in the standards under this revision:

- a) Adding Front cover page.
- b) Addition of Hindi Title.
- c) National foreword to be written as current practice.
- d) UDC Number to be changed to ICS code.

The text of IEC Standard *will be* approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	Corresponding Indian standards	Degree of Equivalence
IEC 60050-531 International Electrotechnical Vocabulary (IEV) - Part 531: Electronic tubes	IS 18123: 2023 Electro technical Vocabulary: Electronic tubes	Identical

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (second revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Scope of IEC 60441:1974

“This recommendation covers photometric and colorimetric methods of measurement of the light emitted by a cathode-ray tube screen, such tubes including monochrome and colour television picture tubes, oscilloscope tubes and other cathode-ray tubes.

It should not be regarded as a recommendation in the sense of a standard, because a more detailed description of the measuring methods is needed if measuring results on the basis of these principles have to be comparable within definite tolerances.”

Note: The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer IEC 60441:1974 or kindly contact.

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