



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : LITD04/T-26263

Date : 30 July 2024

TECHNICAL COMMITTEE : Electronic Display Devices and systems, LITD 04

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Electronic Display Devices and systems Sectional Committee, LITD 04. Please [click here](#) to view the document.

Document Number : LITD 04 (26263) WC

Title of the document : Measurement of Photosensitive Devices Part 2: Methods of Measurement of Phototubes First Revision

Document Type : Revision of Indian Standard (IS 7146 : Part 2 : 1974)

This document has following salient features which may require specific attention for your valuable comments:

- 1) IEC 60306-2 is a standard developed by the International Electrotechnical Commission (IEC) that outlines the procedures for measuring the performance characteristics of phototubes. Phototubes are photosensitive devices that convert light into an electrical signal and are commonly used in various applications including light detection, optical measurements, and imaging systems.*
- 2) **Purpose:** To provide standardized methods for the measurement of key performance parameters of phototubes. To ensure consistency and accuracy in the assessment of phototube characteristics, facilitating reliable comparisons and evaluations.*
- 3) **Dark Current:** Techniques for measuring the electrical current produced by the phototube in the absence of light, which can impact the accuracy of light measurements.*
- 4) **Rise and Fall Times:** Procedures for evaluating the speed at which the phototube can respond to changes in light*

intensity, affecting its performance in dynamic conditions.

5) Test Conditions: Specifies the conditions under which measurements should be conducted to ensure accuracy, including the environment, equipment setup, and calibration procedures.

6) Reporting: Guidelines for documenting the results of measurements, ensuring that all relevant data is recorded and presented in a consistent manner for clarity and comparability.

7) Applicability: The standard applies to phototubes of various types, including both single-phototube and multi-phototube configurations, covering a wide range of applications in scientific, industrial, and commercial settings.

By standardizing the measurement methods for phototubes, IEC 60306-2 helps to improve the reliability of performance evaluations and ensures that phototube devices meet the required specifications for their intended applications.

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 28 September 2024

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at litd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,
(REENA GARG)
Head (Electronics and Information Technology Department)
Email: litd@bis.gov.in**



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : LITD04/T-26263

दिनांक : 30-07-2024

तकनीकी समिति : Electronic Display Devices and systems Sectional Committee, LITD 04

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : LITD 04 (26263) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 28 September 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,
विभाग प्रमुख का नाम : REENA GARG
(Electronics and Information Technology Department)
ई-मेल : litd@bis.gov.in