

BUREAU OF INDIAN STANDARDS

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मसौदा भारतीय मानक
आर्गेनिक लाईट उत्सर्जन डायोड
(ओ एल ई डी) डिस्प्ले-
भाग 6-1: ऑप्टिकल एवं इलेक्ट्रो-ऑप्टिकल
मानदंडों के मापन की पद्धतियां
(पहला पुनरीक्षण)

Draft Indian Standard

***Organic Light Emitting Diode (OLED) Displays -
Part 6-1: Measuring Methods of Optical and
Electro-Optical Parameters
(First Revision)***

ICS: 31.260

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NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 6/Sec 1) (First Revision) which is identical with IEC 62341-6-1:2022 ‘Organic light emitting diode (OLED) displays - Part 6-1: Measuring methods of optical and electro-optical parameters’ issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of the Electronics Display Devices Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2021 and was identical with IEC 62341-6-1: 2017. The first revision of this standard under taken to align it with the latest version of International Standard IEC 62341-6-1:2022.

This edition includes the following significant technical changes with respect to the previous edition:

- a) measuring methods for power consumption of displays that have an embedded video connection terminal are added;
- b) the contents description including video signal for power consumption is modified.

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

- a) Wherever the words ‘International Standard’ appears 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 60050-845, International Electrotechnical Vocabulary – Part 850: Lighting	IS 1885 (Part 16): 2023 Electrotechnical Vocabulary Part 16: Lighting	Identical with IEC 60050-845: 2020

IEC 62341-1-2, Organic light emitting diode (OLED) displays – Part 1-2: Terminology and letter symbols	IS/IEC 62341-1-2: 2014 Organic Light Emitting Diode OLED displays- Part 1-2: Terminology and letter symbols	Identical with IEC 62341-1-2: 2014
IEC 62341-6-2:2015, Organic light emitting diode (OLED) displays – Part 6-2: Measuring methods of visual quality and ambient performance	IS/IEC 62341-6-2: 2015 Organic Light Emitting Diode OLED displays Part 6-2: Measuring methods of visual quality and ambient performance	Identical with IEC 62341-6-2: 2015
IEC 62087-3, Audio, video, and related equipment – Determination of power consumption – Part 3: Television sets	IS/IEC 62087-3: 2015 Audio video and related equipment Determination of power consumption Part 3: Television sets	Identical with IEC 62087-3: 2015

The technical committee has reviewed the provisions of the following International Standard referred in this adopted draft standard and has decided that it is acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standards	Title
IEC 61966-2-1	Multimedia systems and equipment – Colour measurement and management – Part 2-1: Colour management – Default RGB colour space – sRGB
CIE S 014-1	Colorimetry – Part 1: CIE Standard Colorimetric Observers
CIE 15:2004	Colorimetry, 3rd edition

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 same as that of the specified value in this standard.

SCOPE OF IEC 62341-6-1:2022

“This part of IEC 62341 specifies the standard measuring conditions and measuring methods for determining the optical and electro-optical parameters of organic light emitting diode (OLED) display modules, and where specified, OLED display panels. These methods are limited to flat displays measured in a dark room.”

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Draft IS/IEC 62341-6-1: 2022

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Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer to IEC 62341-6-1:2022 or kindly contact.

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