

INTERNATIONAL STANDARD



Organic light emitting diode (OLED) displays –
Part 6-4: Measuring methods of transparent properties



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**Organic light emitting diode (OLED) displays –
Part 6-4: Measuring methods of transparent properties**

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Measuring conditions.....	7
4.1 Standard measuring environmental conditions	7
4.2 Standard lighting conditions	7
4.2.1 Darkroom conditions.....	7
4.2.2 Ambient illumination conditions.....	7
4.2.3 Ambient illumination spectra	8
4.3 Standard setup conditions.....	8
4.3.1 Starting conditions of measurements	8
4.3.2 Conditions of measuring equipment	9
5 Measuring methods of transparent properties	10
5.1 Measuring methods of transmission performance.....	10
5.1.1 Hemispherical transmittance factor with specular included	10
5.1.2 Transmitted haze under hemispherical illumination.....	12
5.1.3 Directional transmittance factor	14
5.1.4 Measurement method of purity.....	16
5.1.5 Colour variation caused by a transparent display.....	19
5.2 Measuring methods of on-screen performance in a darkroom.....	20
5.2.1 Luminance and its uniformity	20
5.2.2 Chromaticity and colour non-uniformity	23
5.2.3 Darkroom contrast ratio	24
5.2.4 Grey scale and gamma characteristics	25
5.2.5 Colour gamut.....	27
5.2.6 Directional optical characteristics	29
6 Measuring methods of reflection properties	30
6.1 Hemispherical reflectance factor with specular included.....	30
6.1.1 Purpose.....	30
6.1.2 Measuring conditions.....	30
6.1.3 Measuring method	30
6.2 Directional reflectance factor	31
6.2.1 Purpose.....	31
6.2.2 Measuring conditions.....	31
6.2.3 Measuring method	31
7 Optical on-screen performance under ambient illumination	31
7.1 Ambient contrast ratio.....	31
7.1.1 Purpose.....	31
7.1.2 Measuring conditions.....	32
7.1.3 Measuring method	32
7.2 Display ambient colour measurement.....	33
7.2.1 Purpose.....	33
7.2.2 Measuring conditions.....	33
7.2.3 Measuring method	34

Annex A (normative) Alternative method for measuring the hemispherical transmittance factor of a transparent OLED display	36
A.1 Purpose	36
A.2 Measuring conditions	36
A.3 Measuring the transmittance	36
Bibliography.....	39
Figure 1 – Layout diagram of measurement setup.....	9
Figure 2 – Side view of measuring concept for the hemispherical transmittance factor measurement with specular included or excluded	12
Figure 3 – Schematic arrangement of haze measurement.....	14
Figure 4 – Side view of measuring concept for the hemispherical transmittance factor measurement with specular included or excluded	16
Figure 5 – Measuring configuration for purity measurement	18
Figure 6 – Test patterns for purity measurement.....	18
Figure 7 – Test pattern for 4 % window luminance	21
Figure 8 – Example of luminance loading measurement.....	22
Figure 9 – Measurement locations	23
Figure 10 – Measuring patterns for gamma measurement.....	26
Figure A.1 – Measurement geometry using a sampling sphere.....	37
Table 1 – Standard ambient conditions	8
Table 2 –Measuring conditions of the ports.....	14
Table 3 – Measured example for purity	19
Table 4 – Working example for colour variation index	20
Table 5 – Worked example for luminance loading	22
Table 6 – Example of luminance non-uniformity	23
Table 7 – Example of colour uniformity measurement	24
Table 8 – Example of gamma measurement.....	26
Table 9 – Reference areas for the colour reproduction range	28
Table 10 – Example of measurement for the colour gamut variation ratio.....	28
Table 11 – Example of measurement for the directional electro-optical characteristic	30

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS –

Part 6-4: Measuring methods of transparent properties

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International Standard IEC 62341-6-4 has been prepared by IEC technical committee 110: Electronic display devices.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
110/843/FDIS	110/866/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62341 series, published under the general title *Organic light emitting diode (OLED) displays*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,
- replaced by a revised edition, or
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ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS –

Part 6-4: Measuring methods of transparent properties

1 Scope

This part of IEC 62341 specifies the standard measurement conditions and measuring methods for determining the optical performance of transparent properties of organic light emitting diode (OLED) display panels and modules. This document includes the display performance under darkroom conditions, and front and back illumination.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 62341-1-2, *Organic light emitting diode (OLED) displays – Part 1-2: Terminology and letter symbols*

IEC 62341-6-1, *Organic light emitting diode (OLED) displays – Part 6-1: Measuring methods of optical and electro-optical parameters*

IEC 62341-6-2, *Organic light emitting diode (OLED) displays – Part 6-2: Measuring methods of visual quality and ambient performance*

ISO 9241-307, *Ergonomics of human-system interaction – Part 307: Analysis and compliance test methods for electronic visual display*

ISO 11664-2, *Colorimetry – Part 2: CIE standard illuminants*

CIE 15-2004, *Colorimetry*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62341-1-2 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

• IEC Electropedia: available at <http://www.electropedia.org/>

• ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

transmittance factor

ratio of the radiant or luminous flux transmitted in the direction delimited by the given solid angle cone to that transmitted in the same direction and solid angle cone by a perfect transmitting diffuser identically irradiated or illuminated

Note 1 to entry: When the term transmittance factor is used in this document, it refers to the photically-weighted luminous flux.