



SLOVENSKI STANDARD
SIST EN 62341-6-3:2012

01-december-2012

Prikazovalniki z organskimi svetlečimi diodami (OLED) - 6-3. del: Merilne metode za kakovost slike

Organic light emitting diode (OLED) displays - Part 6-3: Measuring methods of image quality

Anzeigen mit organischen Leuchtdioden (OLEDs) - Teil 6-3: Messverfahren für Bildqualität

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Afficheurs à diodes électroluminescentes organiques (OLED) - Partie 6-3: Méthodes de mesure de la qualité des images

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Ta slovenski standard je istoveten z: EN 62341-6-3:2012

ICS:

31.120	Elektronske prikazovalne naprave	Electronic display devices
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62341-6-3

September 2012

ICS 31.260

English version

**Organic light emitting diode (OLED) displays -
Part 6-3: Measuring methods of image quality
(IEC 62341-6-3:2012)**

Afficheurs à diodes électroluminescentes
organiques (OLED) -
Partie 6-3: Méthodes de mesure de la
qualité des images
(CEI 62341-6-3:2012)

Anzeigen mit organischen Leuchtdioden
(OLEDs) -
Teil 6-3: Messverfahren für Bildqualität
(IEC 62341-6-3:2012)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 110/374/FDIS, future edition 1 of IEC 62341-6-3, prepared by IEC/TC 110, "Flat panel display devices", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62341-6-3:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-06-13
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Annex ZA
(normative)
**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62341-1-2	2007	Organic light emitting diode displays - Part 1-2: Terminology and letter symbols	EN 62341-1-2	2009
CIE 15	2004	Colorimetry	-	-
ISO 11664-1/ CIE S 014-1	-	Colorimetry - Part 1: CIE standard colorimetric observers	-	-
ISO 11664-5 CIE S 014-5	-	Colorimetry - Part 5: CIE 1976 L*u*v* Colour space and u', v' uniform chromaticity scale diagram	-	-

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IEC 62341-6-3

Edition 1.0 2012-08

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Organic light emitting diode (OLED) displays –
Part 6-3: Measuring methods of image quality**

**Afficheurs à diodes électroluminescentes organiques (OLED) –
Partie 6-3: Méthodes de mesure de la qualité des images**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



ICS 31.260

ISBN 978-2-83220-294-4

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS –

Part 6-3: Measuring methods of image quality

FOREWORD

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International Standard IEC 62341-6-3 has been prepared by IEC technical committee 110: Flat panel display devices.

The text of this standard is based on the following documents:

FDIS	Report on voting
110/374/FDIS	110/399/RVD

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

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

A list of all the parts in the IEC 62341 series, 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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

Part 6-3: Measuring methods of image quality

1 Scope

This part of IEC 62341 specifies the standard measurement conditions and measuring methods for determining image quality of organic light emitting diode (OLED) display panels and modules. More specifically, this standard focuses on five specific aspects of image quality, i.e., the viewing angle range, cross-talk, flicker, static image resolution, and moving image resolution.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62341-1-2:2007, *Organic light emitting diode (OLED) displays – Part 1-2: Terminology and letter symbols*

CIE 015:2004, *Colorimetry, 3rd Edition*

ISO 11664-1/CIE S 014-1, *Colorimetry – Part 1: CIE standard colorimetric observers*

ISO 11664-5/CIE S 014-5, *Colorimetry – Part 5: CIE 1976 $L^*u^*v^*$ Colour space and u' , v' uniform chromaticity scale diagram*

3 Terms, definitions, symbols, units and abbreviations

3.1 Terms, definitions, symbols and units

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

3.2 Abbreviations

CCD	Charge coupled device
CIE	International Commission on Illumination (Commission Internationale de L'Éclairage)
CFF	Critical flicker frequency
CIELAB	CIE 1976 ($L^*a^*b^*$) colour space
DUT	Device under test
HVS	Human visual system
LED	Light emitting diode
LMD	Light measuring device
OLED	Organic light emitting diode
ppf	pixels per frame