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Irish Standard I.S. EN 62341-1-1:2009

Organic light emitting diode (OLED) displays -- Part 1-1: Generic specifications (IEC 62341-1-1:2009 (EQV))

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English version

Organic light emitting diode (OLED) displays -Part 1-1: Generic specifications (IEC 62341-1-1:2009)

Afficheurs à diodes électroluminescentes organiques (OLED) -Partie 1-1: Spécifications génériques (CEI 62341-1-1:2009) Anzeigen mit organischen Leuchtdioden -Teil 1-1: Fachgrundspezifikation (IEC 62341-1-1:2009)

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CENELEC

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

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Foreword

The text of document 110/168/FDIS, future edition 1 of IEC 62341-1-1, prepared by IEC TC 110, Flat panel display devices, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62341-1-1 on 2009-12-01.

The following dates were fixed:

-	latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2010-09-01
-	latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2012-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62341-1-1:2009 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60027-1	NOTE	Harmonized as EN 60027-1:2006 (not modified).
IEC 60027-4	NOTE	Harmonized as EN 60027-4:2007 (not modified).
ISO 1101	NOTE	Harmonized as EN ISO 1101:2005 (not modified).

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

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

Publication	Year	Title	<u>EN/HD</u>	<u>Year</u>
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60747-1	2006	Semiconductor devices - Part 1: General	-	-
IEC 62341-1-2	_1)	Organic light emitting diode displays - Part 1-2: Terminology and letter symbols	EN 62341-1-2	2009 ²⁾
IEC 62341-5	2009	Organic Light Emitting Diode (OLED) displays - Part 5: Environmental testing methods	EN 62341-5	2009
IEC 62341-6-1	_1)	Organic light emitting diode (OLED) displays - Part 6-1: Measuring methods of optical and electro-optical parameters	-	-
IEC QC 001002	Series	IEC quality assessment system for electronic components (IECQ) - Rules of procedure	-	-
ISO 2859	Series	Sampling procedures for inspection by attributes	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS -

Part 1-1: Generic specifications

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committee; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62341-1-1 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
110/168/FDIS	110/176/RVD

Full information on the voting for the approval on 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 parts of IEC 62341 series, under the general title *Organic light emitting diode* (OLED) *displays* can be found on the IEC website.

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The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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
- amended.

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ORGANIC LIGHT EMITTING DIODE (OLED) DISPLAYS -

Part 1-1: Generic specifications

1 Scope

This part of IEC 62341 is a generic specification for organic light emitting diode (OLED) displays. It defines general procedures for quality assessment to be used in the IECQ-CECC system and establishes general rules for methods of electrical and optical measurements, environmental and mechanical tests and endurance tests.

2 Normative references

The following referenced documents are indispensable for the application 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 60410:1973, Sampling plans and procedures for inspection by attributes

IEC 60747-1:2006, Semiconductor devices – Part 1: General

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

IEC 62341-5¹, Organic light emitting diode (OLED) displays – Part 5: Environmental testing methods

IEC 62341-6-1², Organic light emitting diode (OLED) displays – Part 6-1: Measuring methods of optical and electro-optical parameters

IEC QC 001002 (all parts), IEC Quality Assessment System for Electronic components (IECQ) – Rules of Procedure

ISO 2859 (all parts), Sampling procedures for inspection by attributes

3 Terms, definitions, units and symbols

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

4 Technical aspects

4.1 Order of precedence

Where there are conflicting requirements, documents shall rank in the following order of authority:

- a) the detail specification;
- b) the blank detail specification;

¹ In preparation.

² In preparation.



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