



BSI Standards Publication

Organic light emitting diode (OLED) panels for general lighting - Performance requirements

National foreword

This British Standard is the UK implementation of EN 62922:2017+A1:2021. It is identical to IEC 62922:2016, incorporating amendment 1:2021. It supersedes BS EN 62922:2017, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee CPL/34/1, Electric lamps.

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Date	Text affected
31 January 2022	Implementation of IEC amendment 1:2021 with CENELEC endorsement A1:2021

English Version

**Organic light emitting diode (OLED) panels for general lighting -
Performance Requirements
(IEC 62922:2016)**

Panneaux à diodes électroluminescentes organiques
(OLED) destinés à l'éclairage général - Exigences de
performance
(IEC 62922:2016)

Organische-Licht-emittierende-Dioden- (OLED-) Panels -
Anforderungen an die Arbeitsweise
(IEC 62922:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 34A/1942/FDIS, future edition 1 of IEC 62922, prepared by SC 34A "Lamps" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62922:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-09-23
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-12-23
standards conflicting with the
document have to be withdrawn

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The text of the International Standard IEC 62922:2016 was approved by CENELEC as a European Standard without any modification.

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IEC 60068-2-20:2008	NOTE	Harmonized as EN 60068-2-20:2008 (not modified).
IEC 60068-2-21:2006	NOTE	Harmonized as EN 60068-2-21:2006 (not modified).
IEC 60749-14:2003	NOTE	Harmonized as EN 60749-14:2003 (not modified).
IEC 61747-10-1:2013	NOTE	Harmonized as EN 61747-10-1:2013 (not modified).

European foreword to amendment A1

The text of document 34A/2241/FDIS, future IEC 62922/AMD1, prepared by SC 34A “Electric light sources” of IEC/TC 34 “Lighting” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62922:2017/A1:2021.

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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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-845	-	International Electrotechnical Vocabulary (IEV) - Chapter 845: Lighting	-	-
IEC 62868	-	Organic light emitting diode (OLED) panels for general lighting - Safety requirements	EN 62868	-
IEC/TS 62972	-	General lighting - Organic light emitting diode (OLED) products and related equipment - Terms and definitions	-	-
ISO 11664-5/ CIE S 014-5/E	2016	Colorimetry - Part 5: CIE 1976 L*u*v* colour space and u', v' uniform chromaticity scale diagram		-
CIE 013.3	1995	Method of measuring and specifying colour-rendering properties of light source		
CIE TN 001	2014	Chromaticity difference specification for light source	-	-

¹ Superseded by EN ISO 11664-5:2016 (SO/CIE 11664-5:2016).

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ORGANIC LIGHT EMITTING DIODE (OLED) PANELS FOR GENERAL LIGHTING – PERFORMANCE REQUIREMENTS

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International Standard IEC 62922 has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34A/1942/FDIS	34A/1956/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.

In this standard, the following print types are used:

- requirements: roman type,

- *test specifications: italic type,*
- notes: smaller roman type.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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ORGANIC LIGHT EMITTING DIODE (OLED) PANELS FOR GENERAL LIGHTING – PERFORMANCE REQUIREMENTS

1 Scope

This document specifies the performance requirements of OLED tiles and panels for use on DC supplies up to 120 V or AC supplies up to 50 V at 50 Hz or 60 Hz for indoor and similar general lighting purposes.

NOTE In this current edition, life (life time and maintained values) is not addressed. This is intended to be covered in a future amendment.

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 60050-845, *International Electrotechnical Vocabulary. Lighting* (available at <http://www.electropedia.org>)

IEC 62868, *Organic light emitting diode (OLED) panels for general lighting – Safety requirements*

A1 Text deleted **A1**

IEC TS 62972, *General lighting – Organic light emitting diode (OLED) products and related equipment – Terms and definitions*

A1 ISO 11664-5/CIE S 014-5/E:2016 **A1**, *Colorimetry – Part 5: CIE 1976 $L^*u^*v^*$ Colour space and u' , v' uniform chromaticity scale diagram*

CIE 013.3:1995, *Method of measuring and specifying colour rendering properties of light sources*

CIE TN 001:2014, *Chromaticity difference specification for light source*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-845, IEC TS 62972 and IEC 62868 as well as 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

test voltage

input voltage at which tests are carried out