

Flexible Organic Light Emitting Diode (OLED) panels  
for general lighting - Performance requirements



## EESTI STANDARDI EESSÕNA

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English Version

## Flexible organic light emitting diode (OLED) panels for general lighting - Performance requirements (IEC 63286:2022)

Panneaux à diodes électroluminescentes organiques (OLED) flexibles destinés à l'éclairage général - Exigences de performance (IEC 63286:2022)

Flexible organische Licht emittierende Dioden (OLED) Panels für die Allgemeinbeleuchtung - Anforderungen an die Arbeitsweise (IEC 63286:2022)

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## European foreword

The text of document 34A/2291/FDIS, future edition 1 of IEC 63286, 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 IEC 63286:2022.

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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Flexible organic light emitting diode (OLED) panels for general lighting –  
Performance requirements**

**Panneaux à diodes électroluminescentes organiques (OLED) flexibles destinés à  
l'éclairage général – Exigences de performance**



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IEC Secretariat  
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CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Flexible organic light emitting diode (OLED) panels for general lighting –  
Performance requirements**

**Panneaux à diodes électroluminescentes organiques (OLED) flexibles destinés à  
l'éclairage général – Exigences de performance**

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

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Draft	Report on voting
34A/2291/FDIS	34A/2303/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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

## 1 Scope

This document specifies the performance requirements of flexible organic light emitting diode tiles and panels for use on supplies up to 120 V ripple free DC for indoor and similar general lighting purposes and designed for being bent during the manufacturing process of curved luminaires.

The requirements of this document relate only to type testing.

## 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 (IEV) – Part 845: Lighting*, available at <http://www.electropedia.org>

IEC 62504, *General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions*

IEC 62868-2-3, *Organic light emitting diode (OLED) light sources for general lighting – Safety – Part 2-3: Particular requirements – Flexible OLED tiles and panels*

IEC 62922:2016, *Organic light emitting diode (OLED) panels for general lighting – Performance requirements*  
IEC 62922:2016/AMD1:2021

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

CIE 025:2015, *Test Method for LED Lamps, LED Luminaires and LED Modules*

CIE S 025-SP1:2019, *Test Method for OLED Luminaires and OLED Light Sources*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-845, IEC 62504, IEC 62868-2-3, IEC 62922, and IEC TS 62972 and the following apply.

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