

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1 AMENDEMENT 1

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

**Sources lumineuses à diodes électroluminescentes organiques (OLED)
destinées à l'éclairage général – Sécurité –
Partie 2-3: Exigences particulières – Dalles et panneaux OLED flexibles**

[IEC 62868-2-3:2021/AMD1:2025](https://standards.iteh.ai/IEC/62868-2-3/2021-10/AMD1/2025)

<https://standards.iteh.ai/catalog/standards/iec/fd7c2412-32ed-4889-b602-d444b1c3ed66/iec-62868-2-3-2021-amd1-2025>



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ORGANIC LIGHT EMITTING DIODE (OLED) LIGHT SOURCES FOR GENERAL LIGHTING – SAFETY –

Part 2-3: Particular requirements – Flexible OLED tiles and panels

AMENDMENT 1

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Amendment 1 to IEC 62868-2-3:2021 has been prepared by subcommittee 34A: Electric light sources, of IEC technical committee 34: Lighting.

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

Draft	Report on voting
34A/2424/FDIS	34A/2434/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 Amendment 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. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

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- reconfirmed,
- withdrawn, or
- revised.

Throughout the document, replace the term "product" with "light source" with the exception of the instances of the term "product" in the second and third columns of Table 1, and in the Normative references, where the term "product" is kept.

1 Scope

In the existing paragraph, after "organic light emitting diode", add the abbreviated term "(OLED)" and, at the end of the paragraph, add the following new note:

NOTE The construction of flexible OLED tiles and panels is given in Annex A.

2 Normative references

Add, after the existing reference to IEC 62868-1:2020, the following new reference to Amendment 1:

IEC 62868-1:2020/AMD1:2024

3 Terms and definitions

In the definitions of both terminological entries 3.7 (minimum bending radius) and 3.8 (maximum bending cycle), replace the term "flexible panel" with "flexible OLED panel".

4 General

4.1 General requirements

Replace the existing paragraph with the following new paragraph:

The requirements of IEC 62868-1:2020, 4.1 and IEC 62868-1:2020/AMD1:2024, 4.1 apply.

4.2 General test requirements

Replace the existing three paragraphs with the following new paragraphs:

The requirements of IEC 62868-1:2020, 4.2 and IEC 62868-1:2020/AMD1:2024, 4.2 apply.

The ambient temperature and mounting requirements of IEC 62868-1:2020, 4.2 and IEC 62868-1:2020/AMD1:2024, 4.2 apply.

The tests shall be conducted at the design voltage or current, unless otherwise specified in this document.

For those flexible OLED panels which are specified for a specific curvature, the test shall be conducted using the shape and condition specified by the manufacturer in the installation instructions.

Stabilization shall be conducted in the same conditions and position (e.g., flat or bent) as in the tests.

5 Marking

5.1 Contents and location

Replace the existing Table 1 with the following new Table 1:

Table 1 – Additional marking

Parameters	Product	Packaging or product datasheet or leaflet
Flexible OLED classification ^a		Mandatory
Minimum bending radius ^b (safety)		Mandatory
Maximum bending cycles ^b (safety)		Mandatory
^a See Table B.1 for flexible OLED classification.		
^b These values can be different from those of the performance.		

5.2 Durability and legibility of marking

Replace the existing paragraph with the following new paragraph:

The requirements of IEC 62868-1:2020, 5.2 and IEC 62868-1:2020/AMD1:2024, 5.2 apply.

6 Construction

6.1 General

Delete the second paragraph.