IEC 62868-2-1

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INTERNATIONAL STANDARD

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Organic light emitting diode (OLED) light sources for general lighting – Safety – Part 2-1: Particular requirements – Semi-integrated OLED modules

Sources lumineuses à diodes électroluminescentes organiques (OLED) destinées à l'éclairage général – Sécurité – Partie 2-1: Exigences particulières – Modules OLED semi-intégrés

IEC 62868-2-1:2020-08(en-fr)

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CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Terms and definitions 5
4 General 6
5 Marking 6
5.1 Contents and location 6
5.2 Durability and legibility of marking 6
6 Construction 6
7 Mechanical hazard 6
8 Fault conditions 6
9 Insulation resistance and electric strength after humidity treatment 6
9.1 General requirements 6
9.2 Insulation resistance 6
9.3 Electric strength 7
10 Creepage distances and clearances 7
11 Resistance to heat and fire 7
12 Photobiological safety 7
13 Terminals 7
14 Protection against accidental contact with live parts 7
15 Screws, current-carrying parts and connections 7
16 Resistance to corrosion 8
17 Information for luminaire design 8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 2-1: Particular requirements – Semi-integrated OLED modules

FOREWORD

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International Standard IEC 62868-2-1 has been prepared by subcommittee 34A: Electric light sources, of IEC technical committee 34: Lighting.

IEC 62868-2-1 has been prepared in parallel with IEC 62868-2-2.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
34A/2192/FDIS	34A/2199/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.

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A list of all parts in the IEC 62868 series, published under the general title *Organic light emitting diode (OLED) light sources for general lighting – Safety*, can be found on the IEC website.

In this document, the following print type is used:

– *compliance statements: in italic 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
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ORGANIC LIGHT EMITTING DIODE (OLED) LIGHT SOURCES FOR GENERAL LIGHTING – SAFETY –

Part 2-1: Particular requirements – Semi-integrated OLED modules

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1 Scope

This part of IEC 62868 specifies safety requirements for semi-integrated organic light emitting diode modules operating with an external controlgear connected to the mains voltage, and which, in addition, have a control means inside ("semi-integrated") for operation under constant voltage, constant current or constant power and have a rated voltage up to 120 V ripple free DC or 50 V AC RMS at 50 Hz or 60 Hz.

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 60598-1:2014, *Luminaires – Part 1: General requirements and tests*
IEC 60598-1:2014/AMD1:2017

IEC 60838-2-2, *Miscellaneous lampholders – Part 2-2: Particular requirements – Connectors for LED modules*

IEC 61347-1:2015, *Lamp controlgear – Part 1: General and safety requirements*
IEC 61347-1:2015/AMD1:2017

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

IEC 62868-1:2020, *Organic light emitting diode (OLED) light sources for general lighting – Safety – Part 1: General requirements and tests*

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62504, IEC 62868-1 and IEC TS 62972 and the following apply.

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- IEC Electropedia: available at http://www.electropedia.org/
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