



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN IEC 62868-2-2:2021

**Organic light emitting diode (OLED)
light sources for general lighting -
Safety - Part 2-2: Particular
requirements - Integrated OLED**

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

Organische Licht emittierende Dioden
(OLED) Lichtquellen für die
Allgemeinbeleuchtung - Sicherheit - Teil
2-2: Besondere Anforderungen -



National Foreword

This European Standard EN IEC 62868-2-2:2021 was adopted as Luxembourgish Standard ILNAS-EN IEC 62868-2-2:2021.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN IEC 62868-2-2:2021

EUROPEAN STANDARD **EN IEC 62868-2-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2021

ICS 29.140.99

English Version

Organic light emitting diode (OLED) light sources for general
lighting - Safety - Part 2-2: Particular requirements - Integrated
OLED modules
(IEC 62868-2-2:2020)

Sources lumineuses à diodes électroluminescentes
organiques (OLED) destinées à l'éclairage général -
Sécurité - Partie 2-2: Exigences particulières - Modules
OLED intégrés
(IEC 62868-2-2:2020)

Organische Licht emittierende Dioden (OLED) Lichtquellen
für die Allgemeinbeleuchtung - Sicherheit - Teil 2-2:
Besondere Anforderungen - Integrierte OLED-Module
(IEC 62868-2-2:2020)

This European Standard was approved by CENELEC on 2020-09-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 34A/2193/FDIS, future edition 1 of IEC 62868-2-2, 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 62868-2-2:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-05-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-11-05

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 62868-2-2:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62384 NOTE Harmonized as EN IEC 62384

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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 60598-1 (mod)	2014	Luminaires - Part 1: General requirements and tests	EN 60598-1	2015
+ A1	2017		+ A1	2018
IEC 60838-2-2	-	Miscellaneous lampholders - Part 2-2: Particular requirements - Connectors for LED-modules	EN 60838-2-2	-
IEC 61347-1	2015	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1	2015
+ A1	2017		+ A1	2021
IEC 62504	-	General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions	EN 62504	-
IEC 62868-1	2020	Organic light emitting diode (OLED) Light sources for general lighting - Safety - Part 1: General requirements and tests	EN IEC 62868-1	2021
IEC/TS 62972	-	General lighting - Organic light emitting diode (OLED) products and related equipment - Terms and definitions	-	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

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

CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 General	6
4.1 General requirements	6
4.2 General test requirements	6
4.3 Other requirements	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	7
9 Insulation resistance and electric strength after humidity treatment	7
9.1 General requirements	7
9.2 Insulation resistance	7
9.3 Electric strength	7
10 Thermal stress	7
11 Creepage distances and clearances	8
12 Resistance to heat and fire	8
13 Photobiological safety	8
14 Terminals	8
15 Information for luminaire design	8
16 Protection against accidental contact with live parts	8
17 Screws, current-carrying parts and connections	8
18 Resistance to corrosion	8
19 Provisions for protective earthing	8
Annex A (informative) Examples of integrated OLED modules	9
Bibliography	11
Figure A.1 – Independent OLED module for luminaire	9
Figure A.2 – Built-in OLED module for lighting	10