



BSI Standards Publication

# General lighting — Organic light emitting diode (OLED) products and related equipment — Terms and definitions

### **National foreword**

This Published Document is the UK implementation of IEC/TS 62972:2016.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/1, Electric lamps.

A list of organizations represented on this committee can be obtained on request to its secretary.

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# TECHNICAL SPECIFICATION

# SPECIFICATION TECHNIQUE

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

**Éclairage général – Produits à diodes électroluminescentes organiques (OLED) et équipements associés – Termes et définitions**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GENERAL LIGHTING – ORGANIC LIGHT EMITTING DIODE (OLED)  
PRODUCTS AND RELATED EQUIPMENT – TERMS AND DEFINITIONS**

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IEC TS 62972, which is a Technical Specification, has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

The text of this Technical Specification is based on the following documents:

Enquiry draft	Report on voting
34A/1874/DTS	34A/1896/RVC

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

# GENERAL LIGHTING – ORGANIC LIGHT EMITTING DIODE (OLED) PRODUCTS AND RELATED EQUIPMENT – TERMS AND DEFINITIONS

## 1 Scope

This Technical Specification establishes terms and definitions specific for general lighting OLED light sources and related equipment.

## 2 Classification of terms

Terms specific for general lighting OLED light sources and related equipment are classified as follows:

- a) fundamental terms;
- b) terms related to physical properties;
- c) terms related to constructive elements;
- d) terms related to performance and specifications.

NOTE This classification is in line with IEC 62341-1-2:2014. However, the classification of terms related to the production process was removed.

## 3 Fundamental terms

### 3.1

#### **organic light emitting diode**

#### **OLED**

light emitting diode consisting of an electroluminescent zone made of organic compounds which are situated between two electrodes

Note 1 to entry: This note applies to the French language only.

### 3.2

#### **polymeric organic light emitting diode**

#### **PLED**

OLED where all the organic semiconductor materials are polymers

Note 1 to entry: This note applies to the French language only.

### 3.3

#### **small molecule organic light emitting diode**

#### **SMOLED**

OLED where all the organic semiconductor materials are small molecules

Note 1 to entry: This note applies to the French language only.

### 3.4

#### **stacked OLED**

OLED consisting of two or more emission layers and at least one charge generation layer between two emission layers

Note 1 to entry: There can be emission layers inside a stacked OLED that are not separated by a charge generation layer. However, at least one pair of emission layers is separated by a charge generation layer.