



**NSAI**  
Standards

Irish Standard  
I.S. EN IEC 63128:2019

Lighting control interface for dimming -  
Analogue voltage dimming interface for  
electronic current sourcing controlgear

**I.S. EN IEC 63128:2019**

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I.S. EN IEC 63128:2019 is the adopted Irish version of the European Document EN IEC 63128:2019, Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear

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EUROPEAN STANDARD

**EN IEC 63128**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

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English Version

**Lighting control interface for dimming - Analogue voltage  
dimming interface for electronic current sourcing controlgear  
(IEC 63128:2019)**

Interface de commande d'éclairage pour variation  
d'intensité - Interface de variation de tension analogique  
pour appareillage d'alimentation électronique  
(IEC 63128:2019)

Lichtsteuerschnittstelle für Dimmung - Analoge  
Spannungsschnittstelle für elektronische Lichtquellen-  
Betriebsgeräte  
(IEC 63128:2019)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

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**EN IEC 63128:2019 (E)****European foreword**

The text of document 34/592/FDIS, future edition 1 of IEC 63128, prepared by IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63128:2019.

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) 2020-03-24
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IEC 61347 series	NOTE	Harmonized as EN 61347 series
IEC 61347-1	NOTE	Harmonized as EN 61347-1
IEC 61347-2-2	NOTE	Harmonized as EN 61347-2-2
IEC 61347-2-3	NOTE	Harmonized as EN 61347-2-3
IEC 61347-2-12	NOTE	Harmonized as EN 61347-2-12
IEC 61347-2-13	NOTE	Harmonized as EN 61347-2-13
IEC 60081	NOTE	Harmonized as EN 60081
IEC 60901	NOTE	Harmonized as EN 60901
IEC 60929	NOTE	Harmonized as EN 60929
IEC 61047	NOTE	Harmonized as EN 61047
IEC 61167	NOTE	Harmonized as EN 61167
IEC 62384	NOTE	Harmonized as EN 62384
IEC 62386 series	NOTE	Harmonized as EN IEC 62386 series
IEC 62717	NOTE	Harmonized as EN 62717
IEC 62756-1	NOTE	Harmonized as EN 62756-1
IEC 62811	NOTE	Harmonized as EN 62811



**IEC 63128**

Edition 1.0 2019-05

# **INTERNATIONAL STANDARD**

# **NORME INTERNATIONALE**



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**Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear**

**Interface de commande d'éclairage pour variation d'intensité – Interface de variation de tension analogique pour appareillage d'alimentation électronique**



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**IEC 63128**

Edition 1.0 2019-05

# **INTERNATIONAL STANDARD**

# **NORME INTERNATIONALE**



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**Lighting control interface for dimming – Analogue voltage dimming interface for electronic current sourcing controlgear**

**Interface de commande d'éclairage pour variation d'intensité – Interface de variation de tension analogique pour appareillage d'alimentation électronique**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**LIGHTING CONTROL INTERFACE FOR DIMMING –  
ANALOGUE VOLTAGE DIMMING INTERFACE FOR  
ELECTRONIC CURRENT SOURCING CONTROLGEAR**
**FOREWORD**

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International Standard IEC 63128 has been prepared by IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34/592/FDIS	34/609/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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# LIGHTING CONTROL INTERFACE FOR DIMMING – ANALOGUE VOLTAGE DIMMING INTERFACE FOR ELECTRONIC CURRENT SOURCING CONTROLGEAR

## 1 Scope

This document specifies the analogue control interface of controlgear which has the function of controlling the output of the controlgear. The output of the controlgear is controlled between minimum/off and maximum values by the voltage control device sinking the controlgear current source.

This document does not specify safety requirements for the analogue interface of controlgear. Safety requirements are given in IEC 61347 (all parts).

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
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### 3.1

#### **controlgear**

<for an electric light source> unit inserted between the electrical supply and at least one light source, which serves to supply the light source(s) with its (their) rated voltage or rated current, and can consist of one or more separate components

Note 1 to entry: The controlgear may include means for igniting, dimming, correcting the power factor and suppressing radio interference, and further control functions.

Note 2 to entry: The controlgear consists of a power supply and a control unit.

Note 3 to entry: The terms "control gear" and "controlgear" are interchangeable. In IEC standards, the term "controlgear" is commonly used.

### 3.2

#### **controllable lamp controlgear**

electronic controlgear whose lamp operating characteristics can be changed by means of a separate control input signal

[SOURCE: IEC 61347-1:2015, 3.2.3, modified – "ballast" has been replaced with "lamp controlgear" and "a signal via mains or extra control input" has been replaced with "a separate control input signal".]

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