

STN	Elektronické predradníky trubicových žiariviek napájané striedavým a/alebo jednosmerným prúdom. Prevádzkové požiadavky. Zmena A1	STN EN 60929/A1 36 0596
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/16

STN EN 60929 z januára 2012 sa bez zmeny A1 môže používať do 11. 03. 2019.

Obsahuje: EN 60929:2011/A1:2016, IEC 60929:2011/AMD1:2015

123115

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60929:2011/A1

March 2016

ICS 29.140.30

English Version

**AC and/or DC-supplied electronic control gear for tubular
fluorescent lamps - Performance requirements
(IEC 60929:2011/A1:2015)**

Appareillages électroniques alimentés en courant alternatif
et/ou continu pour lampes tubulaires à fluorescence -
Exigences de performances
(IEC 60929:2011/A1:2015)

Wechsel- und/oder gleichstromversorgte elektronische
Betriebsgeräte für röhrenförmige Leuchtstofflampen -
Anforderungen an die Arbeitsweise
(IEC 60929:2011/A1:2015)

This amendment A1 modifies the European Standard EN 60929:2011; it was approved by CENELEC on 2015-11-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 34C/1114/CDV, future IEC 60929:2011/A1, prepared by SC 34C "Auxiliaries for lamps" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60929:2011/A1:2016.

The following dates are fixed:

- latest date by which the document has to be (dop) 2016-09-11
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-03-11
standards conflicting with the
document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 60929:2011/A1:2015 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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>
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In Annex ZA of EN 60929:2011 add the following new reference:

IEC/TR 62750	2012	Unified fluorescent lamp dimming standard - calculations		-
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IEC 60929

Edition 4.0 2015-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 1 AMENDEMENT 1

AC and/or DC-supplied electronic control gear for tubular fluorescent lamps – Performance requirements

**Appareillages électroniques alimentés en courant alternatif et/ou continu pour
lampes tubulaires à fluorescence – Exigences de performances**



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IEC 60929

Edition 4.0 2015-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 1
AMENDEMENT 1

**AC and/or DC-supplied electronic control gear for tubular fluorescent lamps –
Performance requirements**

**Appareillages électroniques alimentés en courant alternatif et/ou continu pour
lampes tubulaires à fluorescence – Exigences de performances**

INTERNATIONAL
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FOREWORD

This amendment has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

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

CDV	Report on voting
34C/1114/CDV	34C/1157/RVC

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

The committee has decided that the contents of this amendment and the base 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended

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CONTENTS

Replace the titles of 8.3.1 and 8.4 as follows:

- 8.3.1 Heating of the lamp cathodes
- 8.4 Limitation of the lamp current

Add the titles of the new Annexes F and G, the new figures and the new tables as follows:

- Annex F (informative) Examples of suitable test set-ups for SoS and CV testing
- Annex G (informative) Example of a SoS-CV test
- Figure 3 – Fundamental test set-up for the SoS-test
- Figure 4 – Fundamental test set-up for the CV-test
- Figure F.1 – Lamp dummy for double-capped fluorescent lamps
- Figure F.2 – Typical test set-ups for electronic control gear operating double-capped fluorescent lamps

IEC 60929:2011/AMD1:2015
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Figure F.3 – Typical test set-up for electronic control gear operating one or two single-capped fluorescent lamps

Figure F.4 – Typical test set-up for electronic control gear for connecting two lamps in series

Figure G.1 – Example of test circuit set-up reflecting the necessary measurements of Table G.1

Table 2 – Maximum permitted parasitic inductances, capacities and contact resistances of a test circuit set-up according to Figures 3 and 4

Table 3 – Dimming levels and measured values

Table G.1 – List of necessary tests

1 Scope

Add after NOTE 2 the following NOTE 3:

NOTE 3 Requirements for the digital addressable lighting interface of electronic control gear are given in IEC 62386.

2 Normative references

Add the following new reference at the end of the list:

IEC TR 62750:2012, *Unified fluorescent lamp dimming standard calculations*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN