



**SLOVENSKI STANDARD**  
**SIST EN 60920:1995/A2:1996**  
**01-junij-1996**

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**Ballast for tubular fluorescent lamps - General and safety requirements (IEC 920:1990/A2:1995)**

Ballasts for tubular fluorescent lamps - General and safety requirements

Vorschaltgeräte für röhrenförmige Leuchtstofflampen - Allgemeine und Sicherheitsanforderungen

Ballasts pour lampes tubulaires à fluorescence - Prescriptions générales et prescriptions de sécurité

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Ta slovenski standard je istoveten z: **EN 60920:1991/A2:1996**

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**ICS:**

29.140.30 Fluorescent lamps.  
Discharge lamps

**SIST EN 60920:1995/A2:1996** en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60920/A2**

January 1996

UDC 621.327.534.15:614.8  
ICS 29.140.30

Descriptors: Lighting equipment, tubular lamp, fluorescent lamp, electric ballast, safety requirement, protection against electric shocks, test

English version

**Ballast for tubular fluorescent lamps  
General and safety requirements  
(IEC 920:1990/A2:1995)**

Ballasts pour lampes tubulaires  
à fluorescence  
Prescriptions générales et  
prescriptions de sécurité  
(CEI 920:1990/A2:1995)

Vorschaltgeräte für röhrenförmige  
Leuchtstofflampen  
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(IEC 920:1990/A2:1995)

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This amendment A2 modifies the European Standard EN 60920:1991; it was approved by CENELEC on 1995-11-28. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

### Foreword

The text of document 43C/313/FDIS, future amendment 2 to IEC 920:1990, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60920:1991 on 1995-11-28.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-09-01

For products which have complied with EN 60920:1991 and its amendment A1:1993 before 1996-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-09-01.

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### Endorsement notice

The text of amendment 2:1995 to the International Standard IEC 920:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC  
920

1990

AMENDEMENT 2  
AMENDMENT 2

1995-10

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Amendement 2

**Ballasts pour lampes tubulaires à fluorescence -**  
Prescriptions générales et prescriptions de sécurité

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General and safety requirements

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

B

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For price, see current catalogue

## FOREWORD

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

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

FDIS	Report on voting
34C/313/FDIS	34C/337/RVD

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

Page 35

### Table III – Maximum temperatures

*In the heading of the second column, replace the value 110 % by 106 %.*

*Delete the note 3), in the fourth column, for the following:*

- without temperature declaration
- with indication of  $t_c$

*Replace note 1) below table III by the following:*

The temperatures in table III shall not be exceeded when the ballast is operated at its maximum declared ambient temperature, if any. Maximum ambient temperature for a ballast, if not declared, is to be considered as the difference between  $t_w$  and the measured winding temperature rise at  $\Delta t$  at 100 % nominal voltage.

Page 37

*Replace the text of note 3) below table III by the following:*

This measurement is only mandatory for circuits which may produce abnormal conditions. The declared limiting temperature of the windings under abnormal conditions, shall not be higher than the value which corresponds to a number of days equal to at least two-thirds of the theoretical endurance test period (see table IV).

Page 59

#### A4.1 Built-in ballast parts

*Replace in A4.1 a), the last paragraph by the following:*

After measuring the winding temperatures at 100 % rated voltage, the voltage is increased to 106 % rated voltage. After thermal stability has been obtained the temperatures of ballast parts are measured. The temperatures of parts shall comply with 12.2, table III.