

## Kõrgrõhu-naatriumlambid

High-pressure sodium vapour lamps

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60662:2001 sisaldab Euroopa standardi EN 60662:1993+A4,5,6,7,9,10:1997 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 19.03.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 60662:2001 consists of the English text of the European standard EN 60662:1993+A4,5,6,7,9,10:1997.

This standard is ratified with the order of Estonian Centre for Standardisation dated 19.03.2001 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 29.140.30

characteristic, conception requirement, particular requirements, sodium vapour lamp

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Descriptors: Sodium vapour lamp, characteristic, particular requirements, conception requirement

English version

## High-pressure sodium vapour lamps

(IEC 662 : 1980 + A1 : 1986 + A2 : 1987 + A3 : 1990, modified)

Lampes à vapeur de sodium à haute pression  
(CEI 662 : 1980 + A1 : 1986 + A2 :  
1987 + A3 : 1990, modifiée)

Natriumdampf-Hochdrucklampen  
(IEC 662 : 1980 + A1 : 1986 + A2 :  
1987 + A3 : 1990, modifiziert)

This European Standard was approved by CENELEC on 1992-12-09. 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 Central Secretariat 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 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 the International Standard IEC 662 : 1980 and its amendments 1 : 1986, 2 : 1987 and 3 : 1990, together with the common modifications prepared by the CENELEC Reporting Secretariat SR 34A, was submitted to the CENELEC members for formal vote.

The text of the draft was approved by CENELEC as EN 60662 on 9 December 1992.

This European Standard supersedes EN 60662 : 1989.

- latest date of publication  
of an identical national  
standard (dop) 1993-12-01
- latest date of withdrawal  
of conflicting national  
standards (dow) 1993-12-01

For products which have complied with EN 60662 : 1989 before 1993-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-12-01.

Annexes designated 'normative' are part of the body of the standard. In this standard, annex ZA is normative.

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## HIGH-PRESSURE SODIUM VAPOUR LAMPS

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### SECTION ONE – GENERAL

#### 1. Scope

This standard specifies the characteristics of high-pressure sodium vapour lamps necessary to ensure interchangeability and safety together with test conditions and procedures. The recommendations relate only to type testing.

The standard specifies the lamp dimensions, electrical characteristics for lamp starting and operation together with information for ballast, ignitor and luminaire design purposes.

The requirements dealing with the lamp starting test and associated information for ballast/ignitor design are different depending on the practice of the country in which the lamp type was originally developed.

This standard applies to CENELEC countries and therefore only 'European practice' applies.

#### 2. General

Lamps which comply with this standard when operated with a ballast and an ignitor complying with IEC Publications 923 and 927 will start and operate satisfactorily between 92% and 106% rated supply voltage and at temperatures down to  $-40^{\circ}\text{C}$ .

#### 3. Definitions

##### 3.1 *Rated wattage*

The wattage marked on the lamp.

##### 3.2 *Calibration current*

The value of the current on which the calibration of the reference ballast is based.

##### 3.3 *Reference ballast*

A special inductive type ballast designed for use :

- a) in testing lamps ;
- b) as a comparison standard for testing ballasts, and
- c) in the selection of reference lamps. It is essentially characterized by a stable voltage/current ratio which is relatively uninfluenced by variations in current, temperature and magnetic surroundings.

##### 3.4 *Type test*

A test or series of tests made on a type test sample for the purpose of checking compliance of the design of a given product with the requirements of the relevant specification.