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JJF

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJF 1261.14-2017

Replacing JJF 1261.14-2014

**Rules of Metrology Testing for Energy Efficiency of
High-pressure Sodium Vapour Lamps
(English Translation)**

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Introduction

In order to standardize the energy efficiency measurement and inspection of high pressure sodium lamps for energy efficiency labeling management, the requirements of JJF 1261.1-2017 Energy Efficiency Measurement and Testing Rules for Energy Products have been established.

This specification replaces JJF 1261.14-2014, compared with JJF 1261.14-2014, except for editorial modifications.

The main changes are as follows.

--- The name of the specification was changed from "High-pressure sodium lamp energy efficiency labeling metering inspection rules" to "High-pressure sodium lamp energy efficiency Measurement and measurement rules";

--- "5.1 energy efficiency labeling" adds "energy efficiency information code" and "energy efficiency 'leader' information", etc.

Claim.

--- The original record format and test report format were revised accordingly (Appendix H, Appendix I).

The previous versions of this specification were issued as follows.

---JJF 1261.14-2014.

High pressure sodium lamp energy efficiency Metering detection rules

1 Scope

This specification stipulates the measurement requirements and measurement of energy efficiency for ordinary high-pressure sodium lamps (hereinafter referred to as high-pressure sodium lamps).

Testing procedures, metrology and testing methods, criteria for the assessment of measurement results, and test reports.

This specification applies to indoor and outdoor lighting, with a transparent glass bulb, rated power 50W, 70W, 100W, 150W, 250W, 400W, 1000W high-pressure sodium lamps for energy efficiency measurement and inspection, Commissioned testing can refer to this specification. Units that manufacture and sell high-pressure sodium lamps can also be tested in accordance with this specification.

The high-pressure sodium lamp that is tested should be the product that the manufacturer has passed its own inspection, or it is the commodity that the seller imports and sells.

2 references

This specification refers to the following documents.

JJF 1261.1-2017 Energy Product Energy Efficiency Measurement Inspection Rules GB/T 2829-2002 Periodic Inspection Count Sampling Procedures and Tables (Applicable to Inspection of Process Stability) GB/T 13259-2005 high pressure sodium lamp GB/T 13434-2008 Discharge lamps (excluding fluorescent lamps) characteristics measurement method GB/T 15043-2008 Measurement method for photoelectric parameters of incandescent bulbs GB 19573-2004 High pressure sodium lamp energy efficiency limit and energy efficiency rating for dated references, only dated editions apply to this specification; all undated references the latest version (including all amendments) applies to this specification.

3 Terms and units of measure the following terms and units of measurement apply to this specification.

3.1 Initial lighting efficiency of high-pressure sodium lamps

initial luminous efficacy for high-pressure sodium vapour lamps the parameter for assessing the energy efficiency level of the high pressure sodium lamp, which is the ratio of the initial luminous flux of the high pressure sodium lamp to the measured power.

The unit is lm/W.

3.2 High pressure sodium lamp energy efficiency limit values

limited values of energy efficiency for high-pressure sodium Vapour lamps the lowest average initial efficacy value for the sample volume of high pressure sodium lamps allowed, in lm/W. The sample size is according to GB/T 13259-2005 settlement inspection luminous flux project sampling plan randomly selected sample size.

3.3 Rated power rated wattage the power marked on the lamp, in units of W.

3.4 Total luminous flux Relative to the solid angle of 4π spherical surface, the cumulative luminous flux of the light source, in lm.