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(JELMA/JSA)

**Self-ballasted LED-lamps for general  
lighting services > 50 V — Performance  
requirements**

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## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Electric Lamp Manufacturers Association (JELMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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## Self-ballasted LED-lamps for general lighting services > 50 V — Performance requirements

### 1 Scope

This Japanese Industrial Standard specifies the performance requirements, test methods and test conditions of self-ballasted LED-lamps of over 50 V to and including 250 V in power supply voltage that is used for household use or similar general lighting, and is integrated with a device that performs lighting operation stably.

The range of self-ballasted LED-lamps applicable to this Standard are as follows.

- Rated lamp power : 60 W or under
- Rated input voltage : over 50 V to and including 250 V in a.c. or d.c.
- Cap : Type E (E11, E12/15, E14/20, E17/20, E26/25), Type B (B22d) and GX53

The maximum lamp outline and the luminous flux of self-ballasted LED-lamp for the purpose of substitution for an existing lamp shall be in accordance with **JIS C 7501**, **JIS C 7523**, **JIS C 7525** or **JIS C 7530**. Furthermore, the luminous flux shall satisfy the value of total luminous flux of a lamp to be substituted or bottom hemisphere flux when a cap is turned upward.

This Standard is not applicable to the self-ballasted LED-lamp produced intentionally in which coloured light that is not included in **JIS Z 9112** is used as a chromaticity. Furthermore, it is also not applicable to the bulb-shaped lamp in which OLED (organic EL) is used as a light source.

These requirements are related only to the type test.

The recommendations for a 100 % testing and a batch test are under study.

These performance requirements are added to the requirements in **JIS C 8156**.

NOTE 1 When a self-ballasted LED-lamp is attached to a luminaire and lighted, the performances may differ from the values specified in this Standard.

The self-ballasted LED-lamp that conforms to this Standard is activated on the luminaire specified in **JIS C 8105-1** and needs to be operated satisfactorily in the environment where the voltage is 92 % to 106 % of the rated voltage and the ambient temperature is – 10 °C to 40 °C.

NOTE 2 This Standard refers to the following draft proposal of which the comment collection is in an end stage in the **IEC SC34A** committee as of December 20th, 2011.

IEC/CD 62612 : 2009 *Self-ballasted LED-lamps for general lighting services > 50 V — Performance requirements*