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**Ballasts for discharge lamps
(excluding tubular fluorescent lamps)**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision 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 applicable to the case of revision by the provision of Article 14.

Consequently **JIS C 8110:1987** is replaced with this Standard.

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Ballasts for discharge lamps (excluding tubular fluorescent lamps)

Introduction

This Japanese Industrial Standard was established in 1958, and the last revision was made in 1987, after which JIS C 8147-1, JIS C 8147-2-9 and JIS C 8119 conforming to the International Standards have been established. In the revision at this time, the said Japanese Industrial Standards are cited in this Standard to the extent possible. Also, the name of the standard has been changed to “Ballasts for discharge lamps (excluding tubular fluorescent lamps)”.

1 Scope

This Standard specifies magnetic type ballasts for discharge lamps (hereafter referred to as “ballasts”) for operating, the high-pressure mercury vapour lamps specified in JIS C 7604, low pressure sodium vapour lamps specified in JIS C 7610, high-pressure sodium vapour lamps specified in JIS C 7621 and metal halide lamps specified in JIS C 7623 (hereafter referred to as “lamps”) which are to be used in ordinary places, in the circuit with the rated secondary voltage not more than 1 000 V, of the rated frequency 50 Hz or 60 Hz.

This Standard is applicable to ballasts for operating lamps that are not specified in any of the above Japanese Industrial Standards.

NOTE : The heat endurance of windings is described in Annex C and the protective functions, in Annex D.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS C 1302 *Insulation resistance testers*
- JIS C 1602 *Thermocouples*
- JIS C 4908 *Capacitors for electrical apparatus*
- JIS C 7604 *High-pressure mercury vapour lamps — Performance specifications*
- JIS C 7610 *Low pressure sodium vapour lamps*
- JIS C 7621 *High-pressure sodium vapour lamps — Performance specification*