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## **Ballasts for tubular fluorescent lamps—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 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.

Consequently **JIS C 8118-2: 1999** has been withdrawn and replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

# Ballasts for tubular fluorescent lamps— Performance requirements

## Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **IEC 60921** published in 2004 and Amendment 1 (2006) adding specification items and contents that are not given in the corresponding International Standard.

The portions with continuous sidelines and dotted underlines, and Annex JA to JC comprise the matters that are modified from or not given in the corresponding International Standard. A list of modifications with explanations is given in Annex JD.

## 1 Scope

This Standard specifies performance requirements for ballasts (hereafter referred to as “ballasts”) excluding resistance types, with the rated supply voltage up to a.c. 1 000 V at 50 Hz, 60 Hz or 50/60 Hz, and with the rated secondary voltage up to 1 000 V associated with fluorescent lamps specified in **JIS C 7601** and low-pressure mercury germicidal discharge tubes specified in **JIS C 7605** (hereafter referred to as “lamps”).

It applies to complete ballasts and their component parts such as reactors, transformers and capacitors.

This Standard may be applied also to the ballasts lighting fluorescent lamps which are not specified in **JIS C 7601** or **JIS C 7605**.

A.C. supplied electronic ballasts for tubular fluorescent lamps for high frequency operation specified in **JIS C 8147-2-3** are excluded from the scope of this Standard.

NOTE 1 For safety requirements, see **JIS C 8147-1** and **JIS C 8147-2-8**.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60921 : 2004 *Ballasts for tubular fluorescent lamps—Performance requirements* and Amendment 1 (2006) (MOD)

The symbols which denote the degree of correspondence in the contents between **JIS** and the corresponding International Standard are IDT (identical), MOD (modified) and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

## 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 7601 *Fluorescent lamps for general lighting service*

JIS C 7605 *Low pressure mercury germicidal discharge lamps*

JIS C 7617-2 *Double-capped fluorescent lamps—Part 2: Performance specifications*

NOTE : Corresponding International Standard: IEC 60081 : 1997 *Double-capped fluorescent lamps—Performance specifications* (MOD)