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(JELMA/JSA)

AC supplied electronic ballasts for fluorescent lamps

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Contents

		Pag	
Intr	oduction	1	
1	Scope		
2	Normative refere	Normative references 1	
3	Terms and definitions ————————————————————————————————————		
4	Classification — 4		
5 5.1 5.2	Requirements		
6 6.1 6.2	Test conditions ··	$egin{array}{cccccccccccccccccccccccccccccccccccc$	
7 7.1 7.2	Type inspection ·		
8	Designation of pr	roduct28	
9 9.1 9.2	Markings 28 General 28 Special cases 30		
Ann	ex A (normative)	Characteristics of reference ballast31	
Ann	ex B (normative)	Reference lamps	
Ann	ex C (normative)	Test method for accelerated evaluation of serviceability $\cdots 33$	
Ann	ex D (normative)	Safety evaluation method for fluorescent lamps at the time of end of life	
Ann	ex E (informative)	Operating frequency of lamp37	

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 8117: 2006 is replaced with this Standard.

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AC supplied electronic ballasts for fluorescent lamps

JIS C 8117:2008

Introduction

This Japanese Industrial Standard was established in 1992. In the revision at this time, the contents have been added or modified such that this Standard is applicable to the electronic ballasts for high frequency fluorescent lamps.

In addition, **JIS C 8147-1**, **JIS C 8147-2-3** and **JIS C 8120**, which are related Japanese Industrial Standards conforming to the corresponding International Standards, are cited for parts where alignment with the International Standards is possible.

1 Scope

This Standard specifies the a.c. supplied electronic ballasts for fluorescent lamps intended for use indoor or in luminaire, to light fluorescent lamps specified in **JIS C 7601** [excluding compact type fluorescent lamps (integral with starter) in **4.2.1 c**)] and the low pressure mercury germicidal discharge lamps specified in **JIS C 7605** (hereafter referred to as "lamps"), which have a rated input voltage not exceeding 300 V at 50 Hz, 60 Hz, or 50/60 Hz in common and a rated secondary voltage not exceeding 1 000 V and are used in general place (hereafter referred to as "ballasts"). However, the ballasts without enclosure and integrated with a luminaire are excluded.

The ballasts integrated with a luminaire are as shown in **3.1.3** (integral lamp control gear) of **JIS C 8147-1**.

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 0025 Basic environmental testing procedures Part 2: Tests Test N: Change of temperature
- JIS C 0920 Degrees of protection provided by enclosures (IP Code)
- JIS C 1102 (Standard series) Direct acting indicating analogue electrical measuring instruments and their accessories
- JIS C 1302 Insulation resistance testers
- JIS C 1509-1 Electroacoustics—Sound level meters—Part 1: Specifications
- JIS C 1509-2 Electroacoustics—Sound level meters—Part 2: Pattern evaluation tests
- JIS C 1602 Thermocouples
- JIS C 4908 Capacitors for electrical apparatus
- JIS C 6481 Test methods of copper-clad laminates for printed wiring boards
- 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
- JIS C 7618-2 Single-capped fluorescent lamps—Part 2: Performance specifications