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(JLMA/JSA)

**Luminaires—Part 2-4: Particular
requirements for safety—Portable
general purpose luminaires**

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In the event of any doubts arising as to the contents,
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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 Lighting Manufacturers Association (JLMA)/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 8105-2-4:2010** is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

JIS C 8105 series consists of the following 22 parts under the general title “Luminaires”:

Part 1: General requirements for safety

Part 2-1: Particular requirements for safety—Fixed general purpose luminaires

Part 2-2: Particular requirements for safety—Recessed luminaires

Part 2-3: Particular requirements for safety—Luminaire for road and street lighting

Part 2-4: Particular requirements for safety—Portable general purpose luminaires

Part 2-5: Particular requirements for safety—Cloacalights

Part 2-6: Particular requirements for safety—Luminaires with built-in transformers or converters for filament lamps

Part 2-7: Particular requirements for safety—Portable luminaires for garden use

Part 2-8: Particular requirements for safety—Handlamps

Part 2-9: Particular requirements—Photo and film luminaires (non-professional)

Part 2-11: Particular requirements—Aquarium luminaires

Part 2-12: Particular requirements—Mains socket-outlet mounted nightlights

Part 2-13: Particular requirements for safety—Ground recessed luminaires

Part 2-14: Particular requirements—Luminaires for cold cathode tubular discharge lamps (non tubes) and similar equipment

Part 2-17: Particular requirements for safety—Luminaires for stage lighting, television, film and photographic studios (outdoor and indoor)

Part 2-19: Particular requirements for safety—Air-handling luminaires

Part 2-20: Particular requirements for safety—Lighting chains

Part 2-22: Particular requirements—Luminaires for emergency lighting

Part 2-23: Particular requirements—Extra low voltage lighting systems for filament lamps

Part 2-24: Particular requirements—Luminaires with limited surface temperatures

Part 3: General requirements for performance

Part 5: Gonio-photometric methods

Luminaires—Part 2-4: Particular requirements for safety— Portable general purpose luminaires

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **IEC 60598-2-4** published in 1997 with some modifications of the technical contents, in consideration of the commercially available products in Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

This Standard is to be read in conjunction with **JIS C 8105-1**.

4.1 General

4.1.1 Scope

This Standard specifies requirements for safety of portable general purpose luminaires for use with electrical light source on supply voltages not exceeding 250 V.

NOTE 1 Handlamps, and portable luminaires for garden use, which are not included in portable general purpose luminaires, are specified in **JIS C 8105-2-8** and **JIS C 8105-2-7**, respectively.

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

IEC 60598-2-4:1997 *Luminaires—Part 2: Particular requirements—Section 4: Portable general purpose luminaires* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are **IDT** (identical), **MOD** (modified), and **NEQ** (not equivalent) according to **ISO/IEC Guide 21-1**.

4.1.2 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 0920 *Degrees of protection provided by enclosures (IP Code)*

NOTE: Corresponding International Standard: IEC 60529:2001 *Degrees of protection provided by enclosures (IP code)* (IDT)

JIS C 8105-1 *Luminaires—Part 1: General requirements for safety*

4.2 General test requirements

The provisions of section 0 of **JIS C 8105-1**, and the following apply.

The tests described in each appropriate section of **JIS C 8105-1** shall be carried out in the order listed in this Standard.