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Luminaires — Part 2-2: Particular requirements for safety — Recessed luminaires and recessed air-handling luminaires

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been 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 a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 8105-2-2** : 2014), which has been technically revised, and **JIS C 8105-2-19** : 2017, which has been withdrawn.

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

JIS C 8105 series consists of the following 19 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 and recessed air-handling luminaires

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

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

Part 2-5 : Particular requirements for safety — Floodlights

Part 2-8 : Particular requirements for safety — Handlamps

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 (neon tubes) and similar equipment

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

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

Part 2-21 : Particular requirements for safety — Rope lights

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

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Luminaires — Part 2-2: Particular requirements for safety — Recessed luminaires and recessed air-handling luminaires

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60598-2-2** : 2023, Edition 4, with some modifications of the technical contents, considering market situations in Japan.

The vertical lines on both sides and 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 the most recent edition of **JIS C 8105-1**. The section number cited in this Standard is based on **JIS C 8105-1** : 2021.

2.1 Scope

This Standard specifies requirements for safety on recessed luminaires using or incorporating electric light sources for operation (hereafter referred to as luminaires) with supply voltages not exceeding 1 000 V. It also specifies requirements for recessed air-handling luminaires for use with a ventilation duct or ventilated space (plenum).

NOTE 1 The expressions “ventilation” and “ventilated” in this Standard refer to forced ventilation.

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

IEC 60598-2-2 : 2023 *Luminaires — Part 2-2: Particular requirements — Recessed luminaires and recessed air-handling 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**.

2.2 Normative references

Part or all of the provisions of the following standards, 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 A 9521 *Thermal insulation materials for buildings*

JIS A 9523 *Loose fill thermal insulation materials*

JIS C 3662 (all parts) *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

NOTE Normative reference in the corresponding International Standard: IEC

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