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(JLA/JSA)

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

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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 the Japan Luminaires Association (JLA) /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 8105-2-3: 2005** is replaced with this Standard.

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

- JIS C 8105-1 *Part 1 : General requirements for safety*
- JIS C 8105-2-1 *Part 2 : Particular requirements for safety — Section 1 : Fixed general purpose luminaires*
- JIS C 8105-2-2 *Part 2 : Particular requirements for safety — Section 2 : Recessed luminaires*
- JIS C 8105-2-3 *Part 2-3 : Particular requirements for safety — Luminaires for road and street lighting*
- JIS C 8105-2-4 *Part 2 : Particular requirements for safety — Section 4 : Portable general purpose luminaires*
- JIS C 8105-2-5 *Part 2 : Particular requirements for safety — Section 5 : Floodlights*
- JIS C 8105-2-6 *Part 2 : Particular requirements for safety — Section 6 : Luminaires with built-in transformers or converters for filament lamps*
- JIS C 8105-2-7 *Part 2 : Particular requirements for safety — Section 7 : Portable luminaires for garden use*
- JIS C 8105-2-8 *Part 2 : Particular requirements for safety — Section 8 : Handlamps*
- JIS C 8105-2-9 *Part 2 : Particular requirements for safety — Section 9: Photo and film luminaires (non-professional)*
- JIS C 8105-2-12 *Part 2-12 : Particular requirements — Mains socket-outlet mounted nightlights*
- JIS C 8105-2-13 *Part 2-13 : Particular requirements — Ground recessed luminaires*
- JIS C 8105-2-17 *Part 2 : Particular requirements for safety Section 17 : Luminaires for stage lighting, television, film, and photographic (outdoor and indoor)*
- JIS C 8105-2-19 *Part 2 : Particular requirements for safety — Section 19 : Air-handling luminaires*
- JIS C 8105-2-20 *Part 2-20 : Particular requirements — Lighting chains*
- JIS C 8105-2-22 *Part 2 : Particular requirements for safety Section 22 : Luminaires for emergency lighting*
- JIS C 8105-2-23 *Part 2-23 : Particular requirements — Extra low voltage lighting systems for filament lamps*
- JIS C 8105-3 *Part 3 : General requirements for performance*
- JIS C 8105-5 *Part 5 : Gonio-photometric methods*

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

## Introduction

This Japanese Industrial Standard has been prepared based on the third edition of IEC 60598-2-3 published in 2002 and Amendment 1 (2011) for the corresponding parts, with some modifications made such as setting a wind speed value different from the IEC standard for the wind-force test of connection of luminaires to the support so as to be more suitable for testing in Japan, and adding matters not given in the IEC standard.

The portions given continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

## 3.1 Scope

This Standard specifies requirements for :

- luminaires for road, street lighting and other public outdoor lighting applications;
- tunnel lighting;
- column-integrated luminaires with a minimum total height above normal ground level of 2.5 m (column-integrated luminaires with a total height 2.5 m or under are under consideration);

and for use with electrical lighting sources (an incandescent lamp, a fluorescent lamp, other discharge lamps and electroluminescent devices such as an LED) on supply voltages not exceeding 1 000 V.

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

IEC 60598-2-3 : 2002 *Luminaires — Part 2-3 : Particular requirements — Luminaires for road and street lighting* and Amendment 1 : 2011 (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.

### 3.1.1 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 0364-7-714 *Electrical installations of buildings Part 7 : Requirements for*