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STANDARD

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JIS C 8105-2-5 : 2003
(JLA/JSA)

**Luminaires—Part 2 : Particular
requirements for safety—Section 5 :
Floodlights**

ICS 13.260; 29.140.40

Reference number : JIS C 8105-2-5 : 2003 (E)

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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 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 8105-2-5 : 1999** is replaced with this Standard.

In this revision, in order to conform Japanese Industrial Standard to International Standard, **IEC 60598-2-5 : 1998 Luminaires—Part 2-5 : Particular requirements—Floodlights** has been used as a base.

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.

JIS C 8105 consists of the following parts and sections under the general title *Luminaires*.

Part 1 : General requirements for safety

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

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

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

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

Part 2 : Particular requirements for safety—Section 5 : Floodlights

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

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

Part 2 : Particular requirements for safety—Section 8 : Handlamps

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

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

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

Part 2 : Particular requirements—Section 20 : Lighting chains

Part 2 : Particular requirements for safety—Section 22 : Luminaires for emergency lighting

Part 3 : General requirements for performance

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Luminaires—Part 2 : Particular requirements for safety—Section 5 : Floodlights

Introduction This section of **JIS C 8105-2** has been prepared based on **IEC 60598-2-5 Luminaires—Part 2-5 : Particular requirements—Floodlights** published in 1998 as the second edition, and the contents not specified in the corresponding International Standard are added as Japanese Industrial Standard, while wind speeds to withstand required for attaching the luminaire to its support specified in the corresponding International Standard are altered in line with current circumstances in Japan.

Portions underlined with dots are the matters in which the contents of the original International Standard have been modified. The list of modifications is shown in annex 1 (informative) with their explanations.

5.1 Scope This section of **JIS C 8105-2** specifies requirements for floodlights for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V. However, the following does not apply.

- a) Recessed luminaires (specified in **JIS C 8105-2-2 Recessed luminaires**)
- b) Portable luminaires (specified in **JIS C 8105-2-4 Portable general purpose luminaires**)
- c) Photo and film luminaires [specified in **JIS C 8105-2-9 Photo and film luminaires (non-professional)**]
- d) Luminaires for stage lighting [specified in **JIS C 8105-2-17 Luminaires for stage lighting, television, film, and photographic (outdoor and indoor)**]
- e) Luminaires for swimming pools (specified in **IEC 60598-2-18 Luminaires for swimming pools and similar applications**)

NOTE : The International Standard corresponding to this section of **JIS C 8105-2** is as follows.

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**.

IEC 60598-2-5 : 1998 Luminaires—Part 2-5 : Particular requirements—Floodlights (MOD)

5.1A Normative reference The following standard contains provisions which, through reference in this section of **JIS C 8105-2**, constitute provisions of this section of **JIS C 8105-2**. If the indication of the year of publication is given to these referred standards, only the edition of the indicated year constitutes the provision of this section of **JIS C 8105-2** but the revision and amendment made thereafter do not apply. The normative references without the indication of the year of coming into effect apply only to the most recent edition (including amendments).

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

NOTE : **IEC 60598-1 : 1996** *Luminaires—Part 1 : General requirements and tests* is equivalent to the said standard.

Information : The **IEC** Standard number is based on the new numbering system of **IEC** Standards put in force on January 1st 1997, and the Standard published before the said date is numbered by adding 60000 to the former number. This is only the change in the numbering system and the contents remain unchanged.

5.2 General test requirements The provisions of section 0 of **JIS C 8105-1** apply. The tests described in each appropriate section of **JIS C 8105-1** shall be carried out in the order listed in this section of **JIS C 8105-2**.

5.3 Definitions For the purposes of this section of **JIS C 8105-2**, the definitions of section 1 of **JIS C 8105-1** apply together with the following definitions:

5.3.1 floodlighting lighting by projection of the whole of a scene or subject to an illuminance significantly greater than that of its surroundings

NOTE : The difference in illumination between the subject and its surroundings may, alternatively, be achieved by colour.

5.3.2 floodlight luminaire for floodlighting

NOTE : A floodlight may be for either exterior or interior use or for both.

5.4 Classification of luminaires Floodlights shall be classified in accordance with the provisions of section 2 of **JIS C 8105-1**.

5.5 Marking The provisions of section 3 of **JIS C 8105-1** apply.

Where necessary, to ensure proper use and maintenance, the following additional particulars shall also be marked on the floodlight or otherwise made available to the purchaser.

- a) Operating position, if not universal.
- b) Weight and overall dimensions of the floodlight.
- c) Maximum projected area of the floodlight.
- d) Range of mounting heights.
- e) Marking and suitability “for use indoors”, “for use outdoors” “for both use indoors and outdoors”.

NOTE : In the case of “for use indoors” and “for both use indoors and outdoors”, the 10 °C, allowed for effects of natural air movement, shall not be deducted from measured temperature.

5.6 Construction The provisions of section 4 of **JIS C 8105-1** apply together with the requirements of 5.6.1 to 5.6.8.