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INDUSTRIAL  
STANDARD

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JIS Z 9110 : 2024

(IEIJ/JSA)

**General rules of recommended lighting  
levels**

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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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## 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 The Illuminating Engineering Institute of Japan (IEIJ)/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 Z 9110** : 2011), which has been technically revised.

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## General rules of recommended lighting levels

### 1 Scope

This Japanese Industrial Standard specifies the general rules of lighting design standard and lighting requirements to enable people to engage in various activities in a healthy, safe, easy and comfortable manner by means of principally artificial lighting.

Where individual lighting standards are specified in the Japanese Industrial Standards (JISs) separate from this Standard, the individual lighting standards shall apply.

NOTE 1 This Standard is not concerned with specifying designs of lighting systems and technologies to optimize a specific visual environment.

NOTE 2 The recommended methods of designing the lighting systems and technologies to optimize a specific visual environment are provided in the related guides and reports of the International Commission on Illumination (Commission Internationale de l'Eclairage, hereafter referred to as CIE), or standards of The Illuminating Engineering Institute of Japan.

### 2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) shall be applied.

- JIS C 7612 *Illuminance measurements for lighting installations*
- JIS Z 8113 *Lighting vocabulary*
- JIS Z 8725 *Methods for determining distribution temperature and colour temperature or correlated colour temperature of light sources*
- JIS Z 8726 *Method of specifying colour rendering properties of light sources*
- JIS Z 9103 *Graphical symbols — Safety colours and safety signs — Part 4: Colorimetric and photometric properties of safety sign materials*
- JIS Z 9112 *Classification of fluorescent lamps and light emitting diodes by chromaticity and colour rendering property*
- JIS Z 9125 *Recommendation for indoor lighting*
- JIS Z 9126 *Recommendation for outdoor lighting*
- JIS Z 9127 *Recommendation for sports lighting*
- CIE 112 *Glare evaluation system for use within outdoor sports and area lighting*
- CIE 117 *Discomfort glare in interior lighting*
- CIE 150 : 2017 *Guide on the limitation of the effects of obtrusive light from outdoor lighting installations, 2nd edition*