

JIS

JAPANESE INDUSTRIAL STANDARD

Xenon Standard White Light Source

JIS Z 8902—1984

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Xenon Standard White Light Source

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1. Scope

This Japanese Industrial Standard specifies the xenon standard white light source used for colour comparison and colorimetry of object emitting fluorescence. This light source corresponds to ordinary-use light source similar to daylight specified in JIS Z 8720.

Further, this standard may, as appropriate apply to colour comparison and colorimetry of object not emitting fluorescence.

2. Definitions

Main definitions used in this standard shall be in accordance with JIS Z 8105 and JIS Z 8113 and others shall be as follows:

- (1) current ripple factor It is the value expressed by the following formula when the maximum value of pulsating current in lighting of lamp is made $I_{\max}$ and the minimum value, $I_{\min}$.

$$\text{Current ripple factor} = \frac{I_{\max} - I_{\min}}{I_{\max}} \times 100 (\%)$$

- (2) relative spectral transmittance It is the relative value of transmittance at each wavelength when the transmittance of a specific wavelength is given by 100.

Applicable Standards:

JIS R 3202-Float and Polished Plate Glasses

JIS R 6001-Abrasive Grain Sizes

JIS Z 8105-Glossary of Colour Terms

JIS Z 8113-Glossary of Lighting Terms

JIS Z 8720-Standard Illuminants and Sources for Colorimetry



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