

JIS

JAPANESE INDUSTRIAL STANDARD

Fluorescent lamp as a simulator
of CIE standard illuminant D_{65}
for a visual comparison
of surface colours —
Type and characteristics

JIS Z 8716—1991

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Fluorescent lamp as a simulator of CIE standard illuminant D₆₅ Z 8716-1991
for a visual comparison of surface colours
- Type and characteristics

1. Scope

This Japanese Industrial Standard specifies the types and performances of fluorescent lamps to be used as CIE standard illuminant D₆₅ in the case where the surface colours are compared visually (hereinafter referred to as fluorescent lamp D₆₅).

Remarks: The applicable standards of this standard are shown as follows:

JIS C 7601-Fluorescent Lamps for General Lighting Service

JIS C 8108-Ballasts for Fluorescent Lamps

JIS Z 8105-Glossary of Colour Terms

JIS Z 8113-Glossary of Lighting Terms

JIS Z 8701-Specification of Colours According to the CIE 1931 Standard Colorimetric System and the CIE 1964 Supplementary Standard Colorimetric System

JIS Z 8720-Standard Illuminants and Sources for Colorimetry

JIS Z 8723-Methods of Visual Comparison for Surface Colours

JIS Z 8724-Methods of Measurement for Light Source Colour

JIS Z 8726-Method of Specifying Colour Rendering Properties of Light Sources

2. Definitions

For the purpose of this standard the following definitions apply. Other terms and definitions are given in JIS Z 8105 and JIS Z 8113.

- (1) CIE standard illuminant D₆₅ Light source to realize approximately the standard illuminants D₆₅.
- (2) life When the fluorescent lamp D₆₅ has been lighted under specified conditions, either the shorter of the following total lighting times.
 - (a) Total lighting time until it is not lighted.
 - (b) Total lighting time until the total luminous flux drops to 60 % of initial luminous flux.
 - (c) Total lighting time until it does not comply with at least one performance of chromaticity, metamerism index or colour rendering index.