

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Traffic signal lamps**

**JIS C 7528<sup>-1996</sup>**

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**by**

**Japanese Standards Association**

**In the event of any doubt arising,  
the original Standard in Japanese is to be final authority**

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Errata are also provided to subscribers of JIS (English edition) in *Monthly Information*.

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## Traffic signal lamps

C 7528-1996

1. Scope This Japanese Industrial Standard specifies lamps for use in signals installed under the Road Traffic Law.

Remarks: The following Standards are cited in this Standard:

- JIS B 7507 Vernier, dial and digital callipers
- JIS C 1302 Insulation resistance testers
- JIS C 1609 Illuminance meters
- JIS C 7709 Lamp caps and holders
- JIS C 7711 Designation method for mounted filaments of incandescent tungsten lamps
- JIS C 7801 General rules of testing method for lamps
- JIS H 3100 Copper and copper alloy sheets, plates and strips
- JIS H 4461 Tungsten wires for lighting and electronic equipments
- JIS H 4541 Dumet wires
- JIS Z 8113 Glossary of lighting terms

2. Definitions For the purpose of this Standard, in addition to the definitions specified in JIS Z 8113, the following principal definitions apply:

- (1) test voltage The voltage which is applied across the terminals of lamp at the time of carrying out the tests.
- (2) wattage (power consumption) The power consumption at the test voltage of a lamp which has been subjected to aging.
- (3) initial luminous flux The total luminous flux at the test voltage of a lamp which has been subjected to aging.
- (4) life The operating time until the filament breaks or the operating time specified by the lumen maintenance factor whichever is the shorter.
- (5) lumen maintenance factor The percentage ratio of the total luminous flux of a lamps which has been operated for a given period to the initial luminous flux.
- (6) average life The average on the lives of lamps of the same type that were manufactured for a long period determined by the life test.
- (7) luminance ratio The ratio of the maximum luminance to the luminance at a specified position on a glass bulb.
- (8) luminous intensity ratio The ratio of luminous intensity at central part to luminous intensity at peripheral part along a direction perpendicular to the lamp axis.