

JIS

JAPANESE INDUSTRIAL STANDARD

Negative—Glow Lamps

Ⓒ JIS C 7606—1985

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Negative-Glow Lamps

C 7606-1985

1. Scope

This Japanese Industrial Standard specifies the negative-glow lamps, hereinafter referred to as the "lamps", to be used as indicators.

The fluorescent glow lamps shall be included in this standard.

2. Definitions

For the purpose of this standard, besides in compliance with JIS 8113, the following principal definitions apply:

- (1) fluorescent glow lamp A lamp which has fluorescent material layer applied inside of a glass bulb and rare gas, excite fluorescent material by the ultraviolet radiation radiated by discharge of rare gas, and its luminescence is used as indicators.
- (2) initial characteristics The starting voltage and extent of glow of a lamp when operated using the specified series resistance after aging has been done.
- (3) extent of glow The rate of the part covered with glow covers to the part of the electrode to be bright when operated at the rated voltage, using the specified series resistance.
- (4) life Either shorter hours of the hours until the starting voltage is raised up to 90 % of the rated voltage when the lamp is operated continuously under the rated voltage using the specified series resistance, or the hours until the glass bulb of the lamp is blackened so bad as considered unsuitable as indicators.
- (5) rated life A nominal life announced based on the mean life of the same type lamps which have been manufactured over a long terms.
- (6) wire termination For the lamps without cap, the part of the lead-in wire which is out of the glass bulb.

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3. Type

The type shall be indicated by means of each item below.

Type of Negative-glow Lamps

Item 1	Item 2	Item 3	Item 4	Item 5	Item 6
The symbol which shows negative-glow lamp or fluorescent glow lamp	The symbol which shows outside diameter of glass tube or glass bulb	The symbol which shows classification of luminous colour	The symbol which shows classification of luminance	The symbol which shows length of wire termination type lamp	The symbol which shows classification of caps of lamps with cap
NE	2, 10, 15 27, 45	None: orange G: green	None: general luminance H: high luminance	10, 13, 16, 18, 19, 25	E: E type cap B: BA type cap

Remarks 1. Put '-' between Item 1 and 2. Put '/' between Item 4 and 5.

- When an item shows no indication, the next item may be successively shown.
- When the indication of Item 5 is 25, it may be omitted.
- The examples of indication are shown below.

Example 1: NE-2: diameter 6 mm, length 25 mm, wire terminal type negative-glow lamp (ex-NE-2)

Example 2: NE-2H/18: diameter 6 mm, length 18 mm, wire terminal type high luminance negative-glow lamp (ex-NE-2H)

Example 3: NE-2G: diameter 6 mm, length 25 mm, wire terminal type fluorescent glow lamp

Example 4: NE-10/E: diameter 10 mm, length 28 mm, E type negative-glow lamp with cap (ex-NL-6)