



ANSI C78.260-2002 (S2018)

American National
Standard for Electric
Lamps— Tubular
Tungsten-Halogen
Lamps, Physical
Characteristics



National Electrical Manufacturers Association
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**ANSI C78.260-2002 (S2018)
Stabilized Maintenance of ANSI C78.260-2002**

*American National Standard for Electric Lamps—
Tubular Tungsten-Halogen
Lamps, Physical Characteristics*

Secretariat:

National Electrical Manufacturers Association

Approved: February 15, 2018

American National Standards Institute, Inc.

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Foreword (This foreword is not part of American National Standard C78.260-2002).

Suggestions for improvement of this standard should be submitted to the Secretariat C78, American National Lighting Group of the National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209. This standard was processed and approved by Accredited Standards Committee on Electric Lamps, C78, and its Work Group C78-1. Committee approval of the standard does not necessarily imply that all committee members voted for that approval.

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1 Scope

This standard covers the dimensional limits and other physical characteristics required to assure the interchangeability and proper application of tubular tungsten-halogen lamps.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI C81.61-2017, *American National Standard for Electrical Lamp Bases—Specifications for Bases (Caps) for Electric Lamps*

ANSI Z535.1-2017, *American National Standard for Safety Colors*

ANSI Z535.3-2011 (R2017), *American National Standard for Criteria for Safety Symbols*

ANSI Z535.4-2011 (R2017), *American National Standard for Product Safety Signs and Labels*

ANSI/IEC C78.682-1997 (2016), *American National Standard for Electric Lamps—Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps*

ANSI/IEEE 268-1992, *Metric Practice*

3 Light Center Length (Single-Ended Lamps Only)

3.1 E11 (Minican)

The light center length (LCL) of lamps with the minican (E11) base is measured from the center of the filament to the plane of a reference circle 0.531-inch in diameter on the surface of the 45-degree cone of the base, as shown in Figure 1.

3.2 BA15d (DC bayonet)

The light center length (LCL) of lamps with the DC bayonet (BA15d) base is measured from the center of the filament to the top of the pin, as shown in Figure 1.

3.3 G4

The light center length (LCL) and the maximum overall length is measured from the bottom of the base pins.

3.4 GZ9.5

The light center length (LCL) of lamps with the GZ9.5 base is measured from the center of the filament to the plane of the base pads, as shown in Figure 1.

3.5 GY6.35

The light center length (LCL) and the maximum overall length is measured from the bottom of the base pins as shown in Figure 1.

3.6 G9

The light center length (LCL) of G9 based lamps is measured from the bottom of the press to the center of the filament geometry as shown in Figure 1.