



ANSI/NEMA C78.1501-2016

American National
Standard for
Electric Lamps-
Tungsten-Halogen
Lamps with G22
Bases and 63.5
mm LCL





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G22 Bases and 63.5 mm LCL*

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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Foreword (This foreword is not part of ANSI C78.1501-2016.)

Suggestions for improvement of this standard should be submitted to the Secretariat C78, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, Virginia 22209.

This standard was processed and approved by Accredited Standards Committee on Electric Lamps, C78. 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 defines the dimensional limits and other physical characteristics required to ensure interchangeability and assist in the proper application of a specific category of lamps. This category is tungsten-halogen lamps with G22 bases and 63.5 mm (2½ in.) nominal light center length. Lamps of various design voltages are included.

Lamps with the specifications listed in this standard are intended for stage and studio applications.

The grouping of lamps in this standard is based on general physical characteristics. It does not imply that the lamps listed are interchangeable with each other in a particular application.

Other tungsten-halogen lamps for stage and studio applications are described in standards listed in Annex B.

Certain lamps in this standard are compatible with IEC 60357.

2 Normative References

The following standards contain provisions that, 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 C78.370-1997 (R2011)	<i>American National Standard for Method of Designation for Electric Lamps—Photographic, Stage and Studio</i>
ANSI/IEC C78.682-1997 (R2016)	<i>American National Standard for Electric Lamps—Standard Method of Measuring the Pinch Temperature of Quartz Tungsten-Halogen Lamps</i>
ANSI C78.1450-1983 (R2011)	<i>American National Standard for Electric Lamps, Incandescent Projection Lamps—Method for Life Testing</i>
ANSI C78.79-2014	<i>American National Standard for Electric Lamps—Nomenclature for Envelope Shapes Intended for Use with Electric Lamps</i>
ANSI C81.61-2017	<i>American National Standard for Electrical Lamp Bases—Specifications for Bases (Caps) for Electric Lamps</i>
ANSI C81.63-2007 (R2014)	<i>American National Standard for Gauges for Electric Lamp Bases and Lampholders</i>

3 Lamp Designations

3.1 Marking

Lamps shall be marked with the relevant code in accordance with the photo lamp designation system, ANSI C78.370.

3.2 Durability