NEMA Standards Publication

ANSI/NEMA C78.1505-2001

American National Standard for Tungsten Halogen (TH) Lamps with G38 Bases and 127 mm LCL

National Electrical Manufacturers Association

National Electrical Manufacturers Association
1300 North 17th Street, Suite 900 • Rosslyn. VA 22209
www.NEMA.org

ANSI C78.1505-2001
Revision of ANSI C78.1505-1993

American National Standard

Approved June 18, 2001 Secretariat: American National Standards Lighting Group - NEMA

Tungsten-Halogen Lamps with G38 Bases and 127 mm LCL

INSTRUCTIONS:

This revision is intended to replace ANSI C78.1505-1993.

Discard this instruction sheet when finished.

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American National Standard

for electric lamps:

Tungsten-Halogen Lamps with G38 Bases and 127 mm LCL

Secretariat C78: American National Standards Lighting Group
National Electrical Manufacturers Association
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American National Standard

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Foreword (This Foreword is not part of ANSI C78.1505-2001.)

Suggestions for improvement of this standard should be submitted to the Secretariat C78, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209.

This standard was processed and approved by Accredited Standards Committee on Electric Lamps, C78, and its Sub-Committee, C78-1 for Incandescent Lamps. Committee approval of the standard does not necessarily imply that all committee members voted for that approval. At the time this standard was published, the C78 Committee had the following members:

Al Rousseau, Chair, C78 & Technical Coordinator
Randolph N. Roy, Secretariat
Cynthia E. Minshall, Consulting Editor

Organization Represented:	***Name of Representative:***
Advance Transformer Company	Norman Grimshaw
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Illuminating Engineering Society	Rita M. Harrold
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MagneTek	Michael A. Stein
National Electrical Manufacturers Association	(vacant) (Delegate)
OSRAM SYLVANIA INC.	Peter Bleasby
Philips Lighting Company	Al Rousseau
Underwriters Laboratories, Inc.	David Belt

At the time it approved this standard, the C78-1 Sub-Committee had the following members:

Bernard Rachel, Chair C78-1

Organization Represented:	***Name of Representative:***
GE Lighting	Bernard Rachel
OSRAM SYLVANIA INC.	David Mullen
	James Oetken (Alt.)
Philips Lighting Company	Al Rousseau
	Duane Will (Alt.)
	Alejandro Seyffert (Alt.)
Underwriters Laboratories, Inc.	David Belt
	Ken Kempel (Alt.)

American National Standard **ANSI C78.1505- 2001**

for electric lamps --

Tungsten-Halogen Lamps with G38 Bases and 127mm LCL

	SI (metric)	Customary
Base:	G38	Mogul Bipost
Light Center Length:	127 mm	5 inches

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 G38 bases and 127 mm (5 inch) 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 C.

Certain lamps in this standard are compatible with IEC 60357.

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 C78.370-1997, *American National Standard Method for the Designation of Photo Lamps.*

ANSI/IEC C78.682-1997, *Standard Method of Measuring the Pinch Temperature of Quartz Tungsten - Halogen Lamps*