



ANSI C78.22-1995 (S2018)

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American National  
Standard For  
Incandescent Lamps—  
A, G, PS, and Similar  
Shapes with E29  
Mogul Screw Bases



**National Electrical Manufacturers Association**  
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**ANSI C78.22-1995 (S2018)  
Stabilized Maintenance of ANSI C78.22-1995**

*American National Standard  
For Incandescent Lamps—  
A, G, PS, and Similar Shapes with E39 Mogul Screw Bases*

Secretariat:

**National Electrical Manufacturers Association**

Approved February 15, 2018

**American National Standards Institute, Inc.**

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**CONTENTS**

Foreword .....	iii
Part I General Information.....	1
Part II Lamp Classes .....	6
Table 1 .....	7
Table 2 .....	8
Part III Lamp Space Drawings.....	9
Part IV Annexes.....	14
Annex A.....	15
Annex B.....	16

**Foreword** (This foreword is not part of American National Standard C78.22-1995)

This American National Standard, Incandescent Lamps—A, G, PS, and Similar Shapes with E39 Mogul Screw Bases, C78.22-1995 sets forth the physical and electrical characteristics of the group of incandescent lamps that have A, G, PS, and similar bulb shapes with E39 Mogul screw (single- or double-contact) bases.

Suggestions for improvement of this standard will be welcome. They should be sent to the Secretary of Committee C78, National Electrical Manufacturers Association, 1300 North 17<sup>th</sup> Street, Suite 900, Rosslyn, VA 22209.

This standard was processed and approved for submittal to ANSI by C78 Accredited Standards Committee on Electric Lamps, and C78-1, Incandescent Lamps. Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

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This Standard is being maintained under the stabilized maintenance option. Proposals for modification or improvement of this Standard are welcome. They should be sent to the National Electrical Manufacturers Association, 1300 N 17<sup>th</sup> Street, Suite 900, Arlington, VA 22209 or sent via the NEMA website (<http://www.nema.org>).

**Part I**  
**General Information**

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## 1 Scope

This standard sets forth the physical and electrical characteristics of the group of incandescent lamps that have A, G, PS, and similar bulb shapes with E39 mogul screw (single- or double-contact) bases. Only clear, inside frost, and white bulb finishes are acknowledged. Excluded from coverage are tungsten-halogen lamps and projection lamps. In addition to common-line voltage lamps, listed in Table 1, a group of series burning lamps rated at constant current are covered in Table 2.

Other groups of incandescent lamps are covered in the following related standards:

ANSI C78.20-2003 (R2007, R2015), American National Standard for Electric Lamps—Incandescent Lamps—A, G, PS, and Similar Shapes with E26 Medium Screw Bases

ANSI C78.21-2011 (R2016), American National Standard for Electric Lamps—Incandescent Lamps—PAR and R Shapes

ANSI C78.23-1995 (S2018), American National Standard for Electric Lamps—Incandescent Lamps—Miscellaneous Types

At the time of issuance of this standard, there was no comparable standard published by the International Electrotechnical Commission (IEC).

## 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 C78.25-1991, *Electric lamps— Method of Measuring Lamp-Base Temperature Rise*

ANSI C79.1-2002 (R1994), *American National Standard for Nomenclature for Glass Bulbs Intended for Use with Electric Lamps*

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

ANSI C81.63-2007 (R2014), *American National Standard for Gauges for Electric Lamp Bases and Lampholders*

IES LM45, *IES Approved Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps*

IES LM54, *IES Guide to Lamp Seasoning*<sup>1</sup>

IEC 60909, *Procedure for Use in Preparation of Lamp Space Drawing*<sup>2</sup>

<sup>1</sup> Available from the Illuminating Engineering Society, 120 Wall Street, 17th Floor, New York, NY 10005-4001.

<sup>2</sup> Available from the C78 Secretariat, c/o National Electrical Manufacturers Association, 1300 North 17th Street, Suite 900, Rosslyn, VA 22209.