



ANSI C78.20-2003 (R2007, R2015)

American National
Standard for Electric
Lamps - A, G, PS and
Similar Shapes with E26
Medium Screw Bases





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*American National Standard for Electric Lamps—
A, G, PS, and Similar Shapes with E26 Medium Screw Bases*

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 C78.20-2003.)

Suggestions for improvement of this standard should be submitted to:

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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.

Contents

Foreword ii

PART I General Information 1

1 Scope 1

2 Normative References 1

3 Definitions and Abbreviations 2

4 Lamp Designations 3

5 Bulb Designations 3

6 Bulb Finish..... 3

7 Lamp Space Drawings 3

8 Electrical Characteristics 4

9 Requirements 4

10 Information for Luminaire Design 4

11 Assessment..... 5

12 Sampling 5

PART II Lamp Classes 7

PART III Lamp Space Drawings 15

Annex A Qualifying Limit Tables..... 37

Annex B Statistical Concepts and Basis of this Standard..... 39

Annex C Bibliography..... 40

Annex D Informative References..... 41

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PART I General Information

1 Scope

This standard sets forth physical and electrical characteristics of the group of incandescent lamps that have A, G, PS, and similar bulb shapes with E26 single and double contact medium screw bases including the reduced wattage versions. Only clear, inside frost, frost-equivalent, and white bulb finishes are acknowledged. Excluded from this standard are tungsten-halogen and projection lamps.

Other groups of incandescent lamps are covered in the following associated standards:
ANSI C78.21-2003, American National Standard for Electric Lamps - Incandescent Lamps, PAR and R Shapes

ANSI C78.22-1995, American National Standard for Electric Lamps - Incandescent Lamps, A, G, PS, and Similar Shapes with E39 Mogul Screw Bases

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

Many of the lamps covered by this standard do not relate to internationally standardized lamps that appear in International Electrotechnical Commission (IEC) standards. The subject lamps are not limited with regard to design life as are those in IEC 60064, *Tungsten Filament Lamps for Domestic and Similar General Lighting Purposes*¹. Their physical size may or may not comply with similarly rated IEC types.

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 C78.30-1997, Procedure for Use in Preparation of Incandescent Lamp Space Drawings

ANSI/IEC C78.60360-2002, Standard Method of Measurement of Lamp Cap Temperature Rise

ANSI C79.1-2002, Nomenclature for Glass Bulbs Intended for Use with Electric Lamps

ANSI C81.61-1990 (R1996), Electrical Lamp Bases

ANSI C81.63-1991 (R1996), Gauges for Electrical Lamp Bases and Lampholders

ANSI/IEC 60432:1-2002, Incandescent Lamps - Safety Specifications - Tungsten Filament Lamps for Domestic and Similar General Lighting Purposes - Part 1

IESNA LM-45-2000, IESNA Approved Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps

IESNA LM-54-1999, IESNA Guide to Lamp Seasoning