

NEMA Standards Publication



ANSI C78.1452-2004 (R2008, R2015)

American National Standard for Electric Lamps - Projection Lamps - Vocabulary

National Electrical Manufacturers Association





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*American National Standard for Electric Lamps—
Projection Lamps—
Vocabulary*

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 American National Standard C78.1452-2004.)*

In the work of a former subcommittee C78-5 on Stage, Studio and Photographic Lamps to publish standards covering a broader spectrum of photographic lamp types, the need for better definitions became apparent. Questions from user representatives prompted concrete action on a vocabulary. The first edition, C78.1452-1991, received considerable study in the attempt to provide correct definitions and guidance toward preferred terminology.

Suggestions for improvement of this standard should be submitted to:

Secretariat C78
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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 working group members voted for that approval.

Contents

Foreword..... ii

1 Scope..... 1

2 Normative References 1

3 Definitions..... 1

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1 Scope

1.1 This standard provides definitions for a wide range of terms used in the design, manufacturing, and application of photographic lamps. It serves as a common reference for all ANSI lamp standards in the C78.1400 series, thus reducing the number of terms that need to be defined in individual standards. With strong input from the consumer or user side, this standard covers many terms in use by the laity.

Where appropriate, terms have been adopted from more primary sources; IEC Publication 50 (845), ANSI/IES RP-16.

2 Normative References

2.1 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, *Method for the Designation of Photo Lamps*

ANSI C78.379-1994, *Classification of the Beam Patterns of Reflector Lamps*

ANSI C78.379a-2002, *Method for the Classification of the Beam Patterns of Incandescent and High-Intensity Discharge Reflector Lamps*

ANSI C78.1401-2004, *Dimensions for Projection Lamps--Double-contact, Medium Ring, Base-up Type*

ANSI C78.1435-2002, *Projection-Lamps—Tungsten-Halogen Lamps with G5.3 Bases*

ANSI C78.1460-2004, *Single-Ended Tungsten-Halogen Lamps GZ9.5 Base, T6 Bulb, 86.5mm LCL, 76.2mm MOL, with Proximity Reflector*

ANSI C78.1450-1983, *Electric lamps – Incandescent Projection Lamps - Method for Life Testing*

ANSI C78.1451-2002, *Electric lamps – Use of Protective Shields with Tungsten-Halogen lamps – Cautionary Notice*

C82.9-1996, *High-Intensity Discharge and Low Pressure Sodium Lamps, Ballasts and Transformers – Definitions*

ANSI/IEEE 100-1988, *Dictionary of Electrical and Electronics Terms*

ANSI/IES RP-16-1996, *Nomenclature and Definitions for Illuminating Engineering*

ANSI/UL 122-1999, *Photographic Equipment*

IEC Publication 60050, *International Electrotechnical Vocabulary, Chapter 845: Lighting*¹

3 Definitions

3.1 **abnormal failure:** A premature failure of a lamp due to extreme thermal, electrical, or mechanical shock or manufacturing defect.

¹ Available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.