



ANSI/NEMA C78.1413-2001

American National
Standard for
Dimensions and
Centering Systems for
Projection Lamps - 51
mm (2 in.) Integral
Reflector, Rim
Reference Lamps with
GX5.3, GY5.3 and
GU5.3 Bases



National Electrical Manufacturers Association
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American National Standard

Approved: September 7, 2001

Secretariat: ANSLG-- National Electrical Manufacturers Association

Electric Lamps

Dimensions and Centering Systems for Projection Lamps- 51mm (two-inch) Integral Reflector Rim Reference Lamps with GX5.3, GY5.3, and GU5.3 Bases

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American National Standard

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FOREWORD (This Foreword is not part of ANSI C78.1413-2001)

Suggestions for improvement of this standard will be welcome. They should be sent to the Secretariat, C78 Committee, National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209. This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Electric lamps, C78, and it's subcommittee, C78-1. Approval of the standard does not necessarily imply that all committee members voted for its approval. Information concerning the approval of this standard is based on the documents listed in the table below:

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C78(1)/3963	C78(1)/3964v2

At the time of publications the C78 committee consisted of the following members:

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Bernie Rachel, Technical Coordinator
Randolph N. Roy, Secretariat
Ken Denton, Consulting Editor

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Edison Electric Institute
GE Lighting
Illuminating Engineering Society
Intertek Testing Services, Inc.
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American National Standard

Dimensions and Centering Systems for Projection Lamps- 51mm (two-inch) Integral Reflector Rim Reference Lamps with GX5.3, GY5.3, and GU5.3 Bases

1 Scope

This standard specifies detailed dimensions for 51mm (two inch) integral reflector rim reference projection lamps with GX5.3, GY5.3, or GU5.3 bases to assure interchangeability within the appropriate holding systems. The lamps provide references for mounting at their reflector rims. Since lamp position is controlled at the reflector rim, centering device dimensions of lamp holding systems are also specified in this standard. Both the rim reference lamps and centering devices specified in this standard are intended for use in precision projection systems.

2 Normative References

The American National Standards that follow contain provisions, which through reference in this text, constitute provisions of this Standard. At the time of publication of this Standard, edition dates of these normative reference standards were valid. However, since all standards are subject to revision, parties to agreements based on this Standard should determine and apply the most recent editions of the normative reference standards listed below.

ANSI C78.370-1997, *Method for the Designation of Photo Lamps*

ANSI C78.1420-2001, *Microfilm Projection Lamps - Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten-Halogen Lamps with GX5.3 Bases*

ANSI C78.1431-1997, *Slide Projector Lamps, Condensing, Dichroic, Two-inch (51mm), Integral Reflector, Rim Reference Tungsten-Halogen Lamps with GY5.3 Bases*

ANSI C78.1433-2001, *Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases*

ANSI C81.61-1990, *Electric Lamp Bases*

ANSI C81.63-1991, *Gauges for Electric Lamp Bases and Lampholders*

Other standards, which are not referred to in the text of this Standard but still may provide additional relevant information, are listed in Annex A as informative references.