NEMA Standards Publication

ANSI C78.1433-2001 (S2018)

American National Standard for Two-inch (51mm) Dichroic Coated Integral Reflector, Rim Reference, Tungsten Halogen Large Screen Projection Lamps with GX5.3 Bases

National Electrical Manufacturers Association

National Electrical Manufacturers Association
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American National Standard

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Electric Lamps

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FOREWORD (This Foreword is not part of ANSI C78.1433-2001)

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:

CDV	RV
C78(1)/3967	C78(1)/3968v2

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
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Underwriters Laboratories, Inc.	David Belt

At the time of publications the C78-1 Sub-committee consisted of the following members:

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	Ken Kempel (Alt.)

American National Standard

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

1 Scope

This standard consolidates previous standards for certain low voltage two-inch (51mm) dichroic coated integral reflector, rim reference tungsten halogen lamp types with GX5.3 bases designed for large screen projection systems and used in 8mm projection, 16mm projection, slide projector, photo enlarger, and printing applications. The lamp types contained in this standard are not to be considered as interchangeable although they will all physically fit into two-inch integral rim reference centering systems and common GX5.3 lampholders. Photometry performance of each lamp depends upon the photometry appraisal system for which it was designed as well as the system in which the lamp is used. Photometry appraisal and end use systems may or may not be the same.

Two-inch (51mm) integral reflector, rim reference tungsten halogen lamps with GX5.3 bases having ANSI lamp designations, DDM, EJL, ELB, and ELC are included in this Standard.

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 of this Standard edition dates of normative reference standards were valid. However, all reference standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to determine and apply the most recent editions of the normative reference standards listed below.

ANSI C78.1413-2001, *Two-inch (51mm) Integral Reflector, Rim Reference Projection Lamp Dimensions and Centering Systems*

ANSI C78.1450-1983 (R1994), *Incandescent Projection Lamps, Method for Life Testing*

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

ANSI IT7.201-1991, *Slide Projectors and Filmstrip Projectors - Illumination Tests*

ISO 11315-1 1997, *Photography – Projection in Indoor Rooms, Part 1; Screen Illumination Test for Still Projectors*

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

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