NEMA Standards Publication

ANSI/NEMA C82.6-2005

American National Standard for Lamp Ballasts - Ballasts for High-Intensity Discharge (HID) Lamps - Methods of Measurement

National Electrical Manufacturers Association

National Electrical Manufacturers Association
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ANSI C82.6-2005

Revision of ANSI C82.6-1985

American National Standard

for lamp ballasts—

Ballasts for High-Intensity Discharge Lamps – Methods of Measurement

American National Standard

Approved: February 14, 2005 Secretariat: ANSLG – National Electrical Manufacturers Association

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FOREWORD (This Foreword is not part of American National Standard C82.6-2005)

Suggestions for improvement of this standard will be welcome. They should be sent to Secretariat C82 Committee, American National Standard Lighting Group, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Lamp Ballasts, C82, and its Working Group C82 WG 01. Approval of the standard does not necessarily imply that all working group members voted for its approval.

This standard is a revision of ANSI C82.6-1985 and supercedes the aforementioned standard and all supplements. Information concerning the approval of this standard is based on the documents listed in the table below:

	CDV	RV
Revision	CDV C82_m690	RV C82_m691

Howard Wolfman, Chair, ASC 82
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Randolph Roy, ANSLG Secretariat
Matt Clark, Senior Coordinating Editor

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AMERICAN NATIONAL STANDARD

for lamp ballasts—

Ballasts for High-Intensity Discharge Lamps – Methods of Measurement

1.0 SCOPE

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of ballasts for high-intensity discharge (HID) lamps. Deviations from the procedures given in this standard are permissible for production or other testing provided that the methods used give the results in substantial agreement with the method given herein. In case of doubt, reference shall be made to the specified methods to establish the validity of the results obtained by any alternate procedure.

2.0 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 C78.40-1992*, Mercury Lamps—Specifications*

ANSI C78.42--2004, *High Pressure Sodium Lamps*

ANSI C78.43--2004 *Single-Ended Metal-Halide Lamps*

ANSI C78.389-2004, *High-Intensity Discharge— Methods of Measuring Characteristics*

ANSI C82.4-2002*, Ballasts for High-Intensity Discharge and Low Pressure Sodium Lamps (Multiple Supply Type)*

ANSI C82.5-1990 , *Reference Ballasts for High-Intensity Discharge Lamps*

ANSI C82.7-1983, *Mercury Lamp Transformers—Constant Current (Series) Supply Type*

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

ANSI C84.1-1995*, for Electric Power System and Equipment, Voltage Ratings (60 Hz.)*

