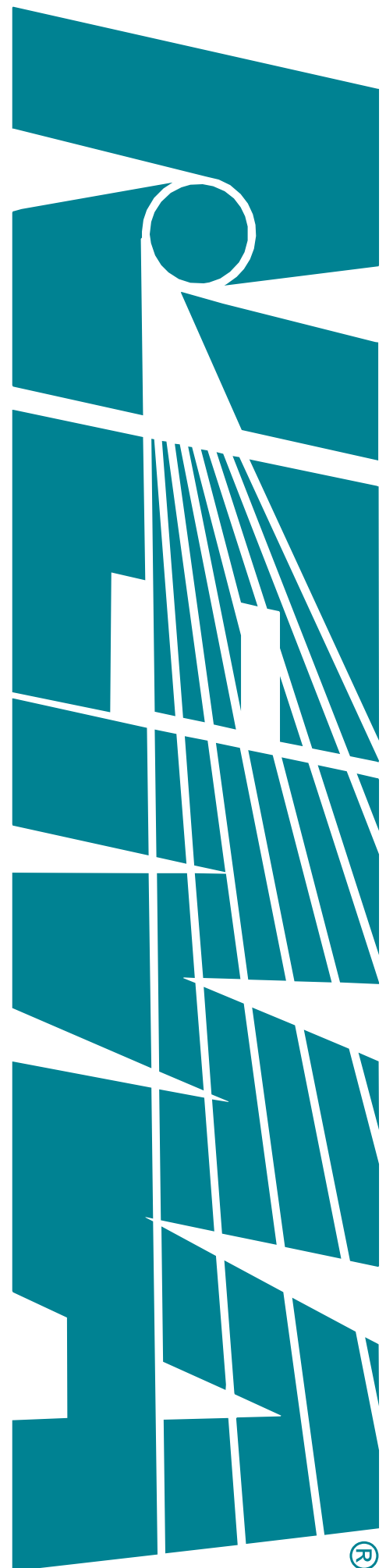


ANSI C136.12-2014

American National
Standard for Roadway
and Area Lighting
Equipment—Mercury
Lamps—Guide for
Selection





ANSI C136.12-2014
Revision of ANSI C136.12-2004 (R2009)

American National Standard

***For Roadway and Area Lighting Equipment—
Mercury Lamps—Guide for Selection***

Secretariat:

National Electrical Manufacturers Association

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FOREWORD

At the time this standard was approved the ANSI C136 committee was composed of the following members:

Alabama Power
American Electric Lighting
Caltrans
CeraVision
City of Kansas City, Missouri
City of Los Angeles, Bureau of Street Lighting
Duke Energy
Duke Energy – Florida
Eaton's Cooper Lighting
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EYE Lighting International of N.A., Inc.
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GE Lighting Systems
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Holophane An Acuity Brands Company
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Sunrise Technologies, Inc./FP Outdoor Lighting Controls
TE Connectivity
Toshiba LED Lighting Systems Division
Utility Metals Division of Fabricated Metals, LLC
Valmont Structures
Vamas Engineering and Consultants
Xcel Energy

1 SCOPE

This standard covers the selection of mercury vapor lamps recommended for use in roadway and area lighting equipment.

2 NORMATIVE REFERENCES

This standard incorporates by undated reference provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed below. For undated references, the latest edition of the publication referred to applies (including amendments).

ANSI_ANSLG C78.40-2011 *American National Standard Electric Lamps: Specification for Mercury Lamps*

ANSI_ANSLG C78.386-1989 (R1994) *American National Standard Mercury Lamps: Methods of Measuring Characteristics*

ANSI_ANSLG C81.61-2009 *American National Standard for Electrical Lamp Bases—Specifications for Bases (Caps) for Electric Lamps*

ANSI_ANSLG C82.4-2002 *American National Standard for Lamp Ballasts—Ballasts for High-Intensity Discharge and Low-Pressure Sodium (LPS) Lamps (Multiple Supply Type)*

ANSI C82.7-2002 *American National Standard, Specifications for Mercury Lamp Transformers, Constant Current (Series) Supply Type*

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Phone: 800-699-9277, Fax 734-780-2046, e-mail: techstreet.service@thomsonreuters.com or
www.techstreet.com/nema.

3 INFORMATIVE REFERENCES

This standard is intended to be used in conjunction with the following publications. The latest edition of the publication applies (including amendments).

ANSI_ANSLG C78.380-2007 *American National Standard for Electric Lamps—High-Intensity Discharge (HID)—Method of Designation*

4 GENERAL DESCRIPTION AND INFORMATION

4.1 Circuit Compatibility

Mercury lamps may be operated on either series or multiple circuits with the use of the proper ballast.

4.2 Lamp Requirements

The lamps in Table 1 conform to the applicable requirements of ANSI C81.61 and ANSI C78.40.

4.3 Ballast Requirements

Lamps listed in Table 1 are intended for use with ballasts meeting the requirements of ANSI C82.4, which apply to ballasts for mercury vapor lamps.