



**ANSI C136.12-2014 (R2019, S2024)
Stabilization of ANSI C136.12-2014 (R2019)**

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

Secretariat:

National Electrical Manufacturers Association

Approved: January 29, 2024

Published:

American National Standards Institute, Inc.

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Published by

National Electrical Manufacturers Association
1300 North 17th Street, Suite 900, Rosslyn, VA 22209

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Printed in the United States of America.

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FOREWORD

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

Acuity Brands, Inc.	Intertek
Alabama Power Company	Itron, Inc.
Amphenol Canada Corp	JEA
Atlas Lighting Products, Inc	Kauffman Consulting, LLC
Brainer Consulting	LED Roadway Lighting Ltd.
Caltrans	Legrand North America
City of Kansas City, Missouri	Light Smart
ClearWorld LLC	Littelfuse, Inc.
Cree Lighting	Lumispec Consulting
Current	Mississippi Power
DesignLights Consortium	National Grid
DimOnOff Inc.	Pacific Northwest National Laboratory
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Gootroo Consulting	Utility Metals Division of Fabricated Metals, LLC
Hancock Consulting	Wattour Engineering Company, Inc.
Hapco Aluminum Pole Products	Xcel Energy
Intermatic Incorporated	

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*

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.

4.4 Series Retrofit Ballast Requirements

Lamps listed in Table 1 are intended for use with ballasts meeting the requirements of ANSI C82.7, which apply to ballasts for series retrofit mercury lamps.