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Reaffirmation of C136.19-2017

American National Standard for Roadway and Area Lighting Equipment— High-Pressure Sodium (HPS) and Retrofit HPS Lamps for Mercury Ballasts— Guide for Selection

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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TABLES

1 Scope

This standard covers the selection of high-pressure sodium 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 C78.42 *American National Standard, High-Pressure Sodium Lamps*

ANSI C81.61 *American National Standard for Electrical Lamp Bases*

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

ANSI C82.7 *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 publication. The latest edition of the publication applies (including amendments).

ANSI C78.380, *American National Standard for High-intensity Discharge Lamps, Method of Designations*

4 General Description and Information

4.1 High-pressure sodium lamps may be operated on either series or multiple circuits with the use of the proper ballast.

4.2 The lamps in Tables 1 through 4 conform to the applicable requirements of ANSI C81.61 and ANSI C78.42.

4.3 Lamps listed in Table 1 are intended for use with ballasts meeting the requirements of ANSI C82.4, applying to ballasts for high-pressure sodium lamps.

4.4 Lamps listed in Table 2 are intended for use with ballasts meeting the requirements of ANSI C82.7, applying to ballasts for mercury lamps.

4.5 Lamps of other wattages and color in combination with the proper ballast and with the same dimensional characteristics may be used in the same equipment, provided the operating temperature of the alternate lamp-ballast combinations do not exceed those of the lamp-ballast combinations used in the original equipment.

4.6 Users should consult their selected lamp manufacturer for type availability and exceptions to the appropriate lamp information table.

4.7 Lamp bases of brass or a corrosion resistant alloy are recommended. Consult the manufacturer for availability.