



ANSI C136.16-2019

American National
Standard for Roadway
and Area Lighting
Equipment— Enclosed
Post Top-Mounted
Luminaires



National Electrical Manufacturers Association
1300 North 17th Street, Suite 900 • Rosslyn, VA 22209
www.NEMA.org





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*American National Standard for
Roadway and Area Lighting Equipment—
Enclosed Post Top-Mounted Luminaires*

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute

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Foreword

At the time this Standard was approved, the ANSI C136 committee was composed of the following voting Members:

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1 Scope

This Standard covers dimensional, maintenance, and light distribution features that permit the interchange of enclosed, post top-mounted high-intensity discharge (HID), solid-state light (SSL) source (also referred to as LED (Light Emitting Diode), compact fluorescent, and induction luminaires whose center of mass is approximately over the mounting tenon. It also includes optional provisions for factory-installed RF antenna and coaxial cable for use with Networked Lighting Controller (NLC). Luminaires of similar size, shape, and weight meeting the requirements of this Standard may be used interchangeably within a system with assurance that:

- a. they will fit the mounting tenon,
- b. pole strength requirements will not change,
- c. light distribution will be similar, and
- d. similar maintenance procedures can be used.

2 Normative References

This Standard incorporates 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 C81.61, *American National Standard for Electric Lamp Bases—Specifications for Bases (Caps) for Electric Lamps*

ANSI C136.2, *American National Standard for Roadway and Area Lighting Equipment—Dielectric Withstand and Electrical Transient Immunity Requirements*

ANSI C136.3, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Attachments*

ANSI C136.10, *American National Standard for Roadway and Area Lighting Equipment—Locking-type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability and Testing*

ANSI C136.11, *American National Standard for Roadway and Area Lighting Equipment—Multiple Parallel Wired Sockets*

ANSI C136.15, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Field Identification*

ANSI C136.22, *American National Standard for Roadway and Area Lighting Equipment—Internal Labeling of Luminaires*

ANSI C136.24, *American National Standard for Roadway and Area Lighting Equipment—Non-Locking (Button)-Type Photocontrols*

ANSI C136.31, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration*

ANSI C136.37, *American National Standard for Roadway and Area Lighting Equipment—Solid-State Light Sources Used in Roadway and Area Lighting*

ANSI C136.38, *American National Standard for Roadway and Area Lighting Equipment—Induction Lighting*