NEMA Standards Publication


ANSI C136.18-2018

# American National Standard for Roadway and Area Lighting Equipment— High-Mast Side-Mounted Luminaires

National Electrical Manufacturers Association

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— High-Mast Side-Mounted Luminaires*

Secretariat:

**National Electrical Manufacturers Association**

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**American National Standards Institute, Inc.**

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## Foreword

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

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American Electric Lighting
California Lighting Technology Center University of California, Davis
CIMCON Lighting
City of Kansas City
City of Los Angeles Bureau of Street Lighting
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Sunrise Technologies
TE Connectivity
Telematics
Telesna
Utility Metals
Valmont Composite Structures
Valmont Industries
Vandal Shields
Westire Technology
Xcel Energy

# 1 Scope

This Standard is intended to cover physical, operational, maintenance, and light distribution features that permit the use of high-mast luminaires in roadway applications when specified.

It is not intended that compliance with this standard will permit interchangeability with existing roadway equipment without thorough engineering review and evaluation.

# 2 Normative References

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

ANSI C78.40 *American National Standard for Electric Lamps—Specifications for Mercury Lamps*

ANSI C78.42 *American National Standard for Electric Lamps—High-Pressure Sodium (HPS) Lamps*

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

ANSI C136.2 *American National Standard for Roadway and Area Lighting Equipment—Luminaire Voltage Classification*

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 C136.13 *American National Standard for Roadway and Area Lighting Equipment—Metal Brackets for Wood Poles*.

ANSI C136.25 *American National Standard for Roadway and Area Lighting Equipment—Ingress Protection*

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

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

ANSI C136.41 *American National Standard for Roadway and Area Lighting Equipment—Dimming Control between an External Locking Type Photocontrol and Ballast or Driver*

ANSI C136.49 *American National Standard for Roadway and Area Lighting Equipment—Plasma Lighting*

ANSI/IES RP-8-14 *Roadway Lighting*

# 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).