



ANSI/NEMA C136.20-2008

American National Standard for Roadway Lighting Equipment - Fiber-Reinforced Plastic (FRP) Lighting Poles



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**American National Standard
for Roadway and Area Lighting
Equipment—**

**Fiber-Reinforced Composite
(FRC) Lighting Poles**

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Roadway and Area Lighting Equipment—
Fiber-Reinforced Composite (FRC) Lighting Poles**

**Secretariat
National Electrical Manufacturers Association**

**Approved August 1, 2008
American National Standards Institute, Inc.**

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FOR ROADWAY AND AREA LIGHTING EQUIPMENT— FIBER-REINFORCED COMPOSITE (FRC) LIGHTING POLES

1 Scope

This standard applies to fiber-reinforced composite (FRC) lighting poles used for roadway and area lighting. This standard includes nomenclature, dimensional data, performance criteria, and some interchangeability features for standard poles as well as those that must meet breakaway requirements for poles as described in *Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals*, AASHTO LTS.

2 References

2.1 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).

AASHTO LTS, *Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals*

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

ANSI C136.13, *American National Standard for Roadway and Area Lighting Equipment—Metal Brackets of Wood Poles Used in Roadway Lighting*

ANSI C136.21, *American National Standard for Roadway and Area Lighting Equipment—Vertical Tenons Used with Post Top-Mounted Luminaires*

ASTM G154, *Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials*

2.2 Informative references

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

ASTM A153, *Specifications for Zinc Coating (Hot-Dip) on Iron and Steel Hardware*

ASTM D4923, *Standard Specification for Reinforced Thermosetting Plastic (Composite) Poles*

3 Definitions

anchor base: A feature attached to the bottom end of a pole designed to be mounted on an accommodating platform.

anti-rotational device: A device attached to the pole below ground level to insure the pole does not twist after installed and in service.