NEMA Standards Publication

ANSI C136.46-2020

American National Standard for Roadway and Area Lighting Equipment— Concrete Lighting Poles

National Electrical Manufacturers Association

National Electrical Manufacturers Association
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ANSI C136.46-2020
Revision of C136.46-2013

American National Standard For Roadway and Area Lighting Equipment— Concrete Lighting Poles

Secretariat:

National Electrical Manufacturers Association

Approved: July 9, 2020

American National Standards Institute, Inc.

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Published by

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

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Printed in the United States of America

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FOREWORD

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1 Scope

This Standard applies to concrete lighting poles used in roadway and area lighting equipment and includes nomenclature, performance criteria, marking and recordkeeping requirements, and certain minimal material needs. It does not cover concrete poles manufactured with any modified concrete mix incorporating the use of polymers or other modifiers.

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 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*
ASTM A123	*Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products*
ASTM A82	*Standard Specification for Steel Wire, Plain, for Concrete Reinforcement*
ASTM A416	*Pre-stressing Steel Reinforcement*
ASTM A421	*Stress-Relieved Steel Wire for Prestressed Concrete*
ASTM A615	*Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement*
ASTM A641	*Zinc-Coated (Galvanized) Carbon Steel Wire*
ASTM A722	*High Strength Steel Bars for Prestressed Concrete*
ASTM A996	*Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement*
ASTM A1064	*Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed for Concrete*
ASTM C33	*Concrete Aggregates*
ASTM C39	*Compressive Strength of Cylindrical Concrete Specimens*
ASTM C150	*Cement*
ASTM C494	*Admixtures*

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 C136.3	*American National Standard for Roadway and Area Lighting Equipment—Luminaire Attachments*
ANSI C136.21	*American National Standard for Roadway and Area Lighting Equipment—Vertical Tenons Used with Post-Top Mounted Luminaires*
CSA A14	*Concrete Poles*

4 Definitions

Anchor Base: A base plate attached to the butt of a pole by approved means to accommodate anchor bolts connected to a foundation.

Aperture: Any opening in a pole more than 2 in. (50 mm) across the width, or more than 4 in. (100 mm) along the length of the pole.

Arm: A structural Member attached approximately perpendicularly to a pole to which a luminaire may be attached.

Bolt Circle: The diameter of a circle that intersects the anchor bolts that are spaced an equal distance from each other.

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