



ANSI/NEMA C136.45-2011 (R2016)

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



**National Electrical Manufacturers Association**  
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**ANSI C136.45-2011 (R2016)**  
Reaffirmation and Redesignation of ANSI C136.36A-2011

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

Secretariat:

**National Electrical Manufacturers Association**

**American National Standards Institute, Inc.**

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## **1 Scope**

**1.1** This standard applies to aluminum lighting poles.

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

## **2 References**

### **2.1 Normative References**

The following normative documents contain provisions, which through reference in this text constitute provisions of this standards publication. By reference herein these publications are adopted, in whole or in part as indicated, in this standards publication.

*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*

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

### **2.2 Informative References**

*ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes*

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

*AWS D1.2 Structural Welding Code—Aluminum*

## **3 Definitions**

### **3.1 Anchor Base**

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

### **3.2 Anti-Rotational Device**

A device attached or formed to the pole below ground level to ensure the pole does not twist once installed and in service.

### **3.3 Arm**

A structural member, approximately perpendicular to a pole that supports a luminaire.

### **3.4 Bolt Circle**

The diameter of a circle that will intersect the centerline of the anchor bolts that are spaced equal distance to each other.