

NEMA Standards Publication



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# Roadway Lighting - Vertical Tenons Used with Post-Top- Mounted Luminaires

National Electrical Manufacturers Association



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**ANSI C136.21-2004 (R2009)**

**American National Standard**

for Roadway and Area Lighting  
Equipment— Vertical Tenons  
Used with Post Top-mounted  
Luminaires





**ANSI C136.21-2004 (R2009)**  
**Revision of ANSI C136.21-1987 (R1997)**

**American National Standard**

**For Roadway and Area Lighting Equipment—  
Vertical Tenons Used with  
Post Top-mounted Luminaires**

Secretariat:

**National Electrical Manufacturers Association**

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**1 Scope**

This standard covers the attachment features of vertical tenons on pole tops or brackets used in roadway and area lighting that permit the interchangeability of post-top-mounted luminaires.

**2 Informative references**

This standard is intended for use in conjunction with the following American National Standards. When these standards are superseded by a revision approved by the American National Standards Institute, Inc., the latest version shall apply.

ANSI C136.3-1995, *American National Standard for Roadway and Area Lighting Equipment – Luminaire Attachments.*

ANSI C136.16-1997, *American National Standard for Roadway and Area Lighting Equipment – Enclosed Post Top-mounted Luminaires.*

ANSI C136.23-1997, *American National Standard for Roadway and Area Lighting Equipment – Enclosed Architectural Luminaires.*

ANSI C136.32-2003, *American National Standard for Roadway and Area Lighting Equipment – Enclosed Setback Luminaires and Directional Floodlights for High-intensity Discharge Lamps.*

**3 Dimensional requirements**

The vertical tenon dimensions shall conform to the table in Figure 1 or Figure 2, whichever is applicable.

**4 Material requirements**

The exposed portion of the tenon for luminaire attachment shall be of a metallic material with a minimum of 3.175 mm (0.125 in.) wall thickness.