



ANSI/NEMA C136.38-2009

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American National  
Standard for  
Roadway and  
Area Lighting  
Equipment-  
Induction Lighting



**National Electrical Manufacturers Association**  
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**ANSI C136.38-2009**

**American National Standard**

for Roadway and Area Lighting  
Equipment—Induction Lighting





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**For Roadway and Area Lighting Equipment—  
Induction Lighting**

Secretariat:

**National Electrical Manufacturers Association**

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## For Roadway and Area Lighting Equipment— Induction Lighting

### 1 Scope

This standard defines the electrical and mechanical requirements of induction type light sources for use in roadway and area lighting luminaires.

### 2 Normative references

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

ANSI/ANSI C81.61-2009, *American National Standard for Electrical Lamp Bases—Specifications for Bases (Caps) for Electric Lamps*

ANSI C136.31-2001, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration*

ANSI/IESNA RP-27-2005, *Photobiological Safety for Lamps and Lamp Systems—General Requirements Code of Federal Regulations, Title 47, Telecommunications, Part 18, Industrial, Scientific, and Medical Equipment, Subpart C, Technical Standards*

FCC Title 47, Part 18, Subpart C

### 3 Informative references

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

ANSI C136.6-2004, *American National Standard for Roadway and Area Lighting Equipment—Metal Heads and Reflector Assemblies—Mechanical and Optical Interchangeability*

ANSI C136.10-2006, *American National Standard for Roadway and Area Lighting Equipment—Locking-type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability*

ANSI C136.14-2004 (R2009), *American National Standard for Roadway and Area Lighting Equipment—Elliptically Shaped, Enclosed Side-mounted Luminaires for Horizontal-burning High-intensity Discharge Lamps*

ANSI C136.16-2009, *American National Standard for Roadway and Area Lighting Equipment—Post Top-mounted Luminaires*

ANSI C136.23-2006, *American National Standard for Roadway and Area Lighting Equipment—Enclosed Architectural Luminaires*

ANSI C136.32-2006, *American National Standard for Roadway and Area Lighting Equipment—Enclosed Setback Luminaires and Directional Floodlights for High-intensity Discharge Lamps*