



ANSI C136.38-2015 (R2020)

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



**National Electrical Manufacturers Association**  
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**ANSI C136.38-2015 (R2020)  
Reaffirmation of ANSI C136.38-2015**

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

Secretariat

**National Electrical Manufacturers Association**

Approved: March 3, 2020

**American National Standards Institute, Inc.**

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## Foreword

At the time this Standard was approved, the ANSI C136 committee was composed of the following Members:

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## 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 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).

ANSI/ANSI C78.377, *Specifications for the Chromaticity of Solid State Lighting Products*

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

ANSI C82.77, *American National Standard for Harmonic Emission Limits—Residual Power Quality Requirements for Lighting Equipment*

ANSI C136.2, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Voltage Classification*

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

ANSI/IESNA RP-27, *Photobiological Safety for Lamps and Lamp Systems—General Requirements*

FCC Title 47, Part 18

IEC 61000-4-2, *Electrostatic Discharge Immunity Test*

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

ANSI C136.15, *American National Standard for Roadway and Area Lighting Equipment—Luminaire Field Identification*

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

ANSI C136.22, *American National Standard for Roadway and Area Lighting Equipment—Internal Labeling of Luminaires*

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

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