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Revision of ANSI C136.49-2016

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

Secretariat:

National Electrical Manufacturers Association

Approved: October 26, 2021

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:

Acuity Brands	LED Roadway Lighting
Alabama Power Company	Legrand, North America
American Electric Power	Leotek Electronics, USA Corp.
Amphenol Canada Corp.	Light Smart
Atlas Lighting Products, Inc.	Littlefuse, Inc.
Caltrans	Lumispec Consulting
CIMCON Lighting	Mississippi Power
City of Kansas City, Missouri	National Grid
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Florida Power and Light Company	South Carolina Electric & Gas
Fonroche Lighting America	StressCrete/King Luminaire
Gateway International 360	Sunrise Technologies, Inc.
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Intermatic Incorporated	Vandal Shields
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Itron, Inc.	Westire Technology Limited
JEA	Xcel Energy

1 Scope

This standard defines the electrical and mechanical requirements of plasma 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 C78.377 *American National Standard for Electric Lamps—Specifications for the Chromaticity of Solid-State Lighting Products*

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

ANSI C82.77-10 *American National Standard for Lighting Equipment—Harmonic Emission Limits—Related Power Quality Requirements*

ANSI C136.2 *American National Standard for Roadway and Area Lighting Equipment—Dielectric Withstand and Electrical Transient Immunity Requirements*

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

ANSI C136.14 *American National Standard for Roadway and Area Lighting Equipment—Elliptically Shaped, Enclosed Side-Mounted Luminaires*

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

ANSI C136.32 *American National Standard for Roadway and Area Lighting Equipment—Enclosed Setback Luminaires and Directional Floodlights*