



ANSI C136.49-2016

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





ANSI C136.49-2016

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

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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Contents

1	Scope.....	1
2	Normative References.....	1
3	Informative References	1
4	General	2
	4.1 Plasma Lighting Systems.....	2
	4.2 Operation in High Humidity Environments.....	3
	4.3 Extreme Low Temperatures.....	3
5	RF Generator Requirements	3
	5.1 Operating Voltages	3
	5.2 Ambient Temperature	3
	5.3 Case temperature	3
	5.4 Mounting provisions	3
	5.5 Heat sink	3
	5.6 Lamp Operation	4
6	Lamp Requirements	4
	6.1 Applicable Standards	4
	6.2 Mounting	4
	6.3 Orientation.....	4
	6.4 Shock and Vibration.....	4
	6.5 Color Temperature.....	4
7	Electrical Immunity	5
	7.1 Dielectric Voltage-Withstand.....	5
	7.2 Conducted and Radiated Emissions.....	5
	7.3 Surge – 1.2/50 μ s – 8/20 μ s Combination Wave	5
	7.4 Surge – 0.5 μ s – 100 kHz Ring Wave.....	6
	7.5 Electrical Fast Transients (EFT)	6
	7.6 Electrostatic Discharge (ESD)	6
	7.7 Total Harmonic Distortion (THD).....	7
	7.8 Inrush Current	7
8	Power Coupler (Antenna).....	7
	8.1 Power Coupler Temperature.....	7
	8.2 Heat Sink.....	7
9	Terminals.....	7
	9.1 RF Generator Input	7
	9.2 RF Generator Output—Lamp Input.....	7
10	Wiring and Grounding.....	7
11	Ratings.....	8
12	Labeling	8

Foreword

At the time this standard was approved the ANSI C136 committee was composed of the following members:

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JEA	Xcel Energy
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LED Roadway Lighting	

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).

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 C78.377	<i>Specifications for the Chromaticity of Solid State Lighting Products</i>
ANSI C81.61	<i>American National Standard for Electrical Lamp Bases—Specifications for Bases (Caps) for Electric Lamps</i>
ANSI C82.77	<i>American National Standard for Harmonic Emission Limits—Related Power Quality Requirements for Lighting Equipment</i>
ANSI C136.2	<i>American National Standard for Roadway and Area Lighting Equipment—Luminaire Voltage Classification</i>
ANSI C136.31-2010	<i>American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration</i>
ANSI/IESNA RP-27-2005	<i>Photobiological Safety for Lamps and Lamp Systems—General Requirements</i>
FCC Title 47, Part 18	
IEC 61000-4-2	<i>Electrostatic Discharge Immunity Test</i>

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 C136.14-2004 (R2009)	<i>American National Standard for Roadway and Area Lighting Equipment—Elliptically Shaped, Enclosed Side-mounted Luminaires for Horizontal-burning High-intensity Discharge (HID) Lamps</i>
ANSI C136.15	<i>American National Standard for Roadway and Area Lighting Equipment—Luminaire Field Identification</i>
ANSI C136.16-2009	<i>American National Standard for Roadway and Area Lighting Equipment—Enclosed, Post Top-mounted Luminaires</i>