NEMA Standards Publication

ANSI C136.37-2011

American National Standard for Roadway and Area Lighting Equipment - Solid State Light Sources Used in Roadway and Area Lighting

National Electrical Manufacturers Association

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American National Standard

for Roadway and Area Lighting Equipment— Solid State Light Sources Used in Roadway and Area Lighting

Secretariat:

National Electrical Manufacturers Association

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Foreword

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

Alabama Power Company
American Electric Lighting
City of Kansas City, Missouri
Cooper Lighting
Dark to Light
Duke Energy
Edison Electric Institute
ERS Engineering
Florida Power and Light
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GE Lighting Solutions
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Vandal Shields
Xcel Energy

For Roadway and Area Lighting Equipment— Solid State Light Sources Used in Roadway and Area Lighting

1 Scope

This standard defines interchangeability of and some requirements for solid state light (SSL) source fixtures (also referred to as luminaires and/or LED (light-emitting diode) fixtures). These are used in roadway and off-roadway luminaires that meets various ANSI C136 standards. This Standard does not address replacement or interchangeability of lamps/light sources.

2 Normative References

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

ANSI C78.377-2008 *American National Standard for Specifications for the Chromaticity of Solid-State Lighting (SSL) Products*

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

ANSI C136.15-2004 *American National Standard for Roadway and Area Lighting Equipment—High-intensity Discharge and Low-pressure Sodium Lamps in Luminaires—Field Identification*

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

ANSI C136.2-2004 *American National Standard for Roadway and Area Lighting Equipment—Luminaire Voltage Classification*

ANSI C136.21-2004 *American National Standard for Roadway and Area Lighting Equipment—Vertical Tenons Used with Post Top-mounted Luminaires*

ANSI C136.22-2004 *American National Standard for Roadway and Area Lighting Equipment—Internal Labeling of Luminaires*

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

ANSI C136.25-2009 *American National Standard for Roadway and Area Lighting Equipment – Ingress Protection (Resistance to Dust, Solid Objects and Moisture) for Luminaire Enclosures*

ANSI C136.3-2005 *American National Standard for Roadway and Area Lighting Equipment—Luminaire Attachments*

ANSI C136.31-2010 *American National Standard for Roadway and Area Lighting Equipment – Luminaire Vibration*

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