



ANSI/NEMA C136.40-2011

American National Standard for Roadway and Area Lighting Equipment-Solar Lighting Systems



National Electrical Manufacturers Association
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for Roadway and Area Lighting
Equipment—Solar
Lighting Systems**

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for Roadway and Area Lighting Equipment—
Solar Lighting Systems**

Secretariat:

National Electrical Manufacturers Association

Approved March 31, 2011

American National Standards Institute, Inc.

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Published by

National Electrical Manufacturers Association
1300 North 17th Street, Rosslyn, VA 22209

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Printed in the United States of America

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For Roadway and Area Lighting Equipment—Solar Lighting Systems**1 Scope**

This standard defines the electrical and mechanical requirements of dc only solar-type light systems for use in roadway and area lighting equipment.

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 are listed below. The latest edition of the publication applies (including amendments).

- ANSI C136.20-2008 *American National Standard for Roadway and Area Lighting Equipment—Fiber-Reinforced Composite (FRC) Lighting Poles*
- ANSI C136.31-2010 *American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration*
- ANSI C136.36A-2010 *American National Standard for Roadway and Area Lighting Equipment—Aluminum Lighting Poles*
- ANSI C136.36B-2008 *American National Standard for Roadway and Area Lighting Equipment—Concrete Lighting Poles*
- ANSI C136.36C-2010 *American National Standard for Roadway and Area Lighting Equipment—Steel Roadway and Area Lighting Poles*
- IEC 61215 ed 2.0 *Crystalline silicon terrestrial photovoltaic (PV) modules—Design qualification and type approval*
- NEMA 250-2008 *Enclosures for Electrical Equipment (1000 Volts Maximum)*

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 C136.10-2010 *American National Standard for Roadway and Area Lighting Equipment—Timing-Type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability and Testing*
- ANSI C136.23-2006 *American National Standard for Roadway and Area Lighting Equipment—Enclosed Architectural Luminaires*
- IEC 60050 ed 1.0 *International electrotechnical vocabulary. Chapter 486: Secondary cells and batteries*
- IEC 61427 ed 2.0 *Secondary cells and batteries for photovoltaic energy systems (PVES)—General requirements and methods of test*