



ANSI/NEMA C136.11-2011 (R2016)

American National
Standard for
Roadway and
Area Lighting
Equipment—
Multiple Parallel
Wired Sockets



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*American National Standard for
Roadway and Area Lighting Equipment—
Multiple Parallel Wired Sockets*

Secretariat:

National Electrical Manufacturers Association

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1 Scope

This standard covers medium and mogul screw base sockets as used in multiple fixture circuits or in luminaires designed and intended for parallel wired circuits and used in lighting roadways and other areas open to general use by the public.

2 Purpose

The purpose of this standard is to provide interchangeability of lamps, minimum safety standards for operating personnel, and minimum performance criteria.

3 Normative References

This standard incorporates, by undated 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 C136.2-2004 *American National Standard for Roadway and Area Lighting Equipment—Luminaire Voltage Classification.*

ANSI C78 Series *American National Standards for Electric Lamps.*

ANSI C81.62-2009 *American National Standard for Electric Lampholders.*

ANSI C81.63-2007 *American National Standard for Gauges for Electric Lamp Bases and Lampholders.*

ASTM E1823-102 *Standard Terminology Relating to Fatigue and Fracture Testing.*

Note: ANSI Standards are available from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112-5776 Phone: 303/397-7956, Fax: 303/397-2740, E-mail: global@ihs.com or www.global.ihs.com.

4 Classification

4.1 Voltage

Sockets, when mounted on their supports, shall conform to the requirements for the 250-V or 600-V classification given in ANSI C136.2.

4.2 Pulse

Sockets, when used with high intensity discharge lamps requiring igniters, shall have a minimum pulse voltage rating of:

- a) 4 kV—all medium sockets
- b) 4 kV—mogul sockets when used with HPS lamps 400 W and below and all pulse start MH lamps
- c) 5 kV—mogul sockets when used with HPS lamps above 400 W

5 Rated wattage

Medium sockets shall be rated 660 W, and mogul sockets shall be rated 1500 W.