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*American National Standard for
Roadway and Area Lighting Equipment—
Series Sockets and Series-Socket Receptacles*

Secretariat:

National Electrical Manufacturers Association

Approved: August 13, 2019

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, Inc.	Legrand, North America
Alabama Power Company	Leotek Electronics USA Corp
Atlas Lighting Products, Inc.	Light Smart
California Lighting Technology Center	Littlefuse, Inc.
University of California, Davis	Lumispec Consulting
CIMCON Lighting	National Grid
City of Kansas City, Missouri	OSRAM SYLVANIA Inc.
City of Los Angeles, Bureau of Street Lighting	Pacific Northwest National Laboratory
Cree, Inc.	Phoenix Lighting
Current Lighting Solutions, LLC	PNNL Battelle
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Duke Energy	Radian Research
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Eaton Lighting Solutions	ROAM/DTL
EPRI	SELC Ireland Limited
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Florida Power and Light Company	South Carolina Electric & Gas
Gateway International 360	StressCrete/King Luminaire Sunrise Technologies, Inc.
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Intertek	Xcel Energy
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Kauffman Consulting, LLC	
LED Roadway Lighting	

1 Scope

This Standard covers the following equipment for roadway and area luminaires:

- a. Series sockets having medium impact strength and intended for service at high temperatures.
- b. Series sockets having high impact strength and intended for service at limited temperatures.
- c. Series-socket receptacles (hereinafter called the receptacles) in the 5000 V classification.

2 Normative References

This Standard shall be used in conjunction with the following publications. When these Standards are superseded by an approved revision, the revision shall apply.

ANSI C136.2 *American National Standard for Roadway and Area Lighting—Luminaires—Voltage Classification.*

3 Informative References

This Standard shall be used in conjunction with the following publications. When these Standards are superseded by an approved revision, the revision shall apply.

ANSI C136.1 *American National Standard for Roadway and Area Lighting—Filament Lamps—Guide for Selection.*

ANSI C136.5 *American National Standard for Roadway and Area Lighting—Film Cutouts.*

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

4 Voltage Classification

The voltage classification shall be in accordance with ANSI C136.2.

5 General

5.1 Clearances and Fitting Dimensions for Series Sockets

Clearances and fitting dimensions for series sockets shall be in accordance with Figure 1.

5.2 Clearances and Fitting Dimensions for Receptacles

Clearances and fitting dimensions for receptacles shall be in accordance with Figure 2.

5.3 Dimensions for Series-Socket and Receptacle Bodies

Dimensions for series-socket and receptacle bodies shall be in accordance with the standard practice of the manufacturer and are shown in outline form only in Figures 1 and 2.

5.4 Current-Carrying Parts

Current-carrying parts of series sockets and receptacles shall be capable of carrying 20 A continuously.