



ANSI C136.35-2009 (R2014)

*American National Standard for
Roadway and Area Lighting Equipment—
Luminaire Electrical Ancillary Devices (LEAD)*

Secretariat:

National Electrical Manufacturers Association

Approved October 16, 2014

American National Standards Institute

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Published by

**National Electrical Manufacturers Association
1300 North 17th Street, Suite 900, Rosslyn, Virginia 22209**

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Printed in the United States of America

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1 Scope

This standard covers the electrical and mechanical interchangeability of electrical devices mounted on or in luminaires, brackets, or remotely mounted on the support structure of the luminaire and that may draw power from the luminaire. These devices are used in conjunction with roadway and area lighting luminaires and may be mounted or plugged into the photocontrol receptacle. This standard does not cover such things as flag banners, flower containers, or decorative holiday/seasonal lights.

2 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).

UL 773, Plug-In Locking Type Photocontrols for Use with Area Lighting

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

ANSI C136.10, American National Standard for Roadway and Area Lighting Equipment—Locking-type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability

ANSI C136.31, American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration

FCC Regulations, Title 47 C.F.R.

3 Definitions

Device

Any equipment that connects to the luminaire mechanically and/or electrically.

Ancillary electrical device

Any additional appendage that may or may not be used for operation of the luminaire and also for communication devices, cameras, etc.

4 Mounting and Physical Considerations

4.1

Sealing means shall be provided between the luminaire electrical ancillary devices (LEAD) and the luminaires so as to prevent the entrance of rain, dust, and vermin.

4.2

Devices mounted in the control receptacle shall have male/female plugs that meet the physical requirements of ANSI C136.10-2006.

4.3

Mounting hardware, if used, shall be captive to the device.