



ANSI/NEMA C136.24-2004 (R2010)

American National
Standard for Roadway
and Area Lighting
Equipment-Non-
Locking (Button)-Type
Photocontrols



National Electrical Manufacturers Association
1300 North 17th Street, Suite 900 • Rosslyn, VA 22209
www.NEMA.org





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1 Scope

This standard covers the electrical and mechanical interchangeability of nonlocking type photocontrols for mounting within a roadway or off-roadway luminaire, herein called “controls.” These controls are commonly called “button” photocontrols.

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 773A, 4th Edition, 1995, *Standard for Nonindustrial Photoelectric Switches for Lighting Control*.

3 Informative references

This standard is intended to be used in conjunction with the following publications. The latest edition of the publication applies (including amendments).

ANSI/IEEE C62.1-1989, *IEEE Standard for Gapped Silicon-carbide Surge Arresters for AC Power Circuits*.

ANSI/IEEE C62.41-1991, *IEEE Recommended Practice for Surge Voltages in Low-voltage AC Power Circuits*.

ANSI C136.10-1996, *ANS for Roadway and Area Lighting Equipment—Locking-type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability and 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 Mounting and physical considerations

4.1 Sealing

A sealing means shall be provided between the control and the luminaire or mounting enclosure so as to prevent the entrance of rain, dust, and vermin. The sealing method must allow replacement of the control.