

NEMA SSL 6

**SOLID STATE LIGHTING
FOR INCANDESCENT
REPLACEMENT—
DIMMING**

NEMA Standards Publication SSL 6-2010

Solid State Lighting for Incandescent Replacement—Dimming

Published by

National Electrical Manufacturers Association

1300 North 17th Street, Suite 1752

Rosslyn, Virginia 22209

Approved February 3, 2011

www.nema.org

Includes April 2011 Errata

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Foreword

The NEMA Lighting Controls and Solid State Lighting sections have prepared this standards publication, *Solid State Lighting for Incandescent Replacement—Dimming*. This standard provides interface requirements for dimming control, focusing on integrated LED lamps intended for replacement of general service incandescent lamps. Because it addresses the installed base of incandescent dimmers, this document cannot and does not provide dimmer requirements.

In the preparation of this standards publication, input of users and other interested parties has been sought and evaluated. Inquiries, comments, and proposed or recommended revisions should be submitted to the concerned NEMA product subdivision by contacting:

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Section approval of the standard does not necessarily imply that all section members voted for its approval or participated in its development.

At the time the standard was approved, the Solid State Lighting Section was composed of the following members:

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| Amerlux Global Lighting Solutions | Lutron Electronics Company, Inc. |
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| Cooper Industries plc | Nichia America Corporation |
| Cree, Inc. | Osram Sylvania Inc. |
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| Hubbell Incorporated | RAB Lighting |
| Legrand North America | Schneider Electric |
| Leviton Manufacturing Co., Inc. | Universal Lighting Technologies |

In April 2011, errata was published to the standard. In 4.6, “40 degrees or greater” was changed to “40 degrees or less.”

Section 1 GENERAL

1.1 SCOPE

This standards publication provides interface recommendations for dimming control of integrated LED lamps intended for replacement of general service incandescent lamps operating at 120 volts, i.e., for operation with the majority of installed incandescent dimmers. LED lamps intended for operation at 12 volts are not covered by this standard.