NEMA SSL 6

Solid State Lighting for Incandescent Replacement—Dimming
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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:

- Amerlux Global Lighting Solutions
- Atlas Lighting Products, Inc.
- Cooper Industries plc
- Cree, Inc.
- Dialight Corporation
- EiKO, Ltd.
- EYE Lighting International of N.A., Inc.
- GE
- Hatch Transformers, Inc.
- Hubbell Incorporated
- LEDnovation, Inc.
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- TerraLUX Inc.
- Toshiba International Corporation
- Universal Lighting Technologies

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- Legrand North America
- Leviton Manufacturing Co., Inc.
- Lutron Electronics Company, Inc.
- Osram Sylvania Inc.
- Philips Lighting Company
- RAB Lighting
- Schneider Electric
- 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.”

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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.