ANSI C82.16-2015

American National Standard for Light-Emitting Diode Drivers—Methods of Measurement

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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FOREWORD

This foreword is not part of ANSI C82.16-2015.

This is a new standard and not a revision of a previous standard.

Suggestions for improvement on this standard will be welcome. They should be sent to the following address:

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This standard was developed and approved for submittal to ANSI by the Accredited Standards Committee (ASC) on Lamp Ballasts, C82, and its working group, C82WG04. Approval of this standard is not meant to imply that all working group members voted to approve it.

Information concerning approval of this standard is based on the documents listed in the table below.

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General

1.1 PURPOSE

This document complements standards and specifications that set performance limits, such as NEMA SSL 1, and provides guidance for testing methods for government specifications and other organizations.

1.2 SCOPE

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers. The scope includes, but is not limited to, LED drivers with these characteristics:

- General lighting, exterior lighting, and roadway lighting applications
- Input supply voltage up to 600 VDC or 600 VAC (50 or 60 Hz)
- Output open-circuit voltage of 600 V or less
- Constant-current or constant-voltage direct current (DC) output
- Fixed, variable (dimmable), pulse-width modulation, or programmable (tunable) output power
- External (standalone) or internal (enclosed in luminaire)