



ANSI C82.16-2022

*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 C82.16-2022.

This is a revision of ANSI C82.16-2020.

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

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1. General

1.1. Purpose

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

1.2. Scope

This standard describes the procedures to be followed and the precautions to be taken in measuring performance of LED drivers commonly used in general lighting, exterior lighting, and roadway lighting, and similar applications. The scope includes LED drivers that may have these characteristics:

- a. Input supply voltage up to 600 VDC or 600 VAC (60 or 50/60 Hz)
- b. Output open-circuit voltage of 600 V or less
- c. Constant-current or constant-voltage direct current (DC) output
- d. Fixed, pulse-width modulation, or programmable (tunable or dimmable) output power
- e. External (standalone) or internal (enclosed in luminaire)