



ANSI C136.52-2021

*American National Standard
for Roadway and Area Lighting Equipment—
Metering Performance Requirements for LED Drivers
with Integral Energy Measurement*

Secretariat:

National Electrical Manufacturers Association

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American National Standards Institute, Inc.

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Foreword

At the time this Standard was approved, the ANSI C136 committee was composed of the following Members:

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Introduction

The method of billing customers for lighting based on hours of darkness is incompatible with new technologies such as dimming, adaptive lighting, and remote control of lighting. In order to fully utilize these technologies, it is useful to measure and report the actual energy used at each luminaire.

This Standard is intended to address that need at the LED driver level. This Standard does not address the communication of the data captured or the hardware necessary to communicate the data from the point of measurement.

1 Scope

This Standard establishes acceptable metering performance criteria for LED drivers with built-in (integral to the driver) energy consumption measurement functionality for use in outdoor luminaire applications. It describes two metering device performance levels for roadway and area lighting applications: 2% Accuracy Class and 5% Accuracy Class.