



ANSI 136.48-2018

American National
Standard
For Roadway and
Area Lighting
Equipment—
Wireless
Networked
Lighting
Controllers



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*American National Standard
For Roadway and Area Lighting Equipment—
Wireless Networked Lighting Controllers*

Secretariat:

National Electrical Manufacturers Association

Approved: September 15, 2018

American National Standards Institute, Inc.

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Published by

National Electrical Manufacturers Association
1300 North 17th Street, Rosslyn, VA 22209

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Printed in the United States of America.

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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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Alabama Power Company
American Electric Lighting
Atlas Lighting Products, Inc.
California Lighting Technology Center University of California, Davis
CIMCON Lighting
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City of Los Angeles, Bureau of Street Lighting
Cree, Inc.
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1 Introduction

- 1.1 The core of any networked control system is the network of field devices, which are fundamentally producers and consumers of data that exchange information with each other in various ways. Field device networks always include controllers that turn on and off streetlight systems lights and perhaps adjust lighting lumen levels, as well as monitor performance, all according to an internal program. Controllers route data to and from gateways, which at minimum act as communication bridges to outside networks, but may also provide other system functions.
- 1.2 Field device networks are accessed and managed remotely by a central management system, which facilitates user interaction, typically through graphical user interfaces, and typically consolidates, and stores retrieved data. These systems communicate to field device networks through one or more backhaul communication networks, which may take various forms (including wired and wireless).

2 Scope

- 2.1 This Standard defines the minimum requirements for wireless networked lighting controllers (NLC) intended for use with roadway and area lighting systems.