



ANSI C137.2-2019

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American National  
Standard—  
Cybersecurity  
Requirements for  
Lighting Systems  
—Parking Lots



**National Electrical Manufacturers Association**  
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*American National Standard—  
Cybersecurity Requirements for  
Lighting Systems—Parking Lots*

**Sponsor: 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 C137 committee was composed of the following members:

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Underwriters Laboratories Inc.  
Universal Lighting Technologies

## Parking Lot Cybersecurity

### 1. Introduction

Many commercial organizations operate a parking lot which is incidental to their core business operations. Typically this type of organization does not have an IT department developing its property tools; they tend to be fully dependent on off-the-shelf solutions and third-party providers. Cybersecurity risk of harm may involve at least two main scenarios: unauthorized access to the organization network and data, and unauthorized access to customers or others visiting the organization (either in person or remotely). This document addresses a recommended cybersecurity practice for the parking lot lighting systems setup. It is recognized that this type of environment has the need to share IT resources with other tasks and functions, to use off-the-shelf solutions, and to outsource IT services. Cybersecurity protection and mitigation measurements can be shared with other activities and functions.

### 2. Scope

The intent of this document is to provide cybersecurity requirements for Lighting Systems used in parking lots with public access. This Standard provides specifications for the protection of signals and data to, from and within the lighting system, potentially including those that may initiate, control or monitor non-lighting functions. This Standard is not intended to address parking lots with enhanced security requirements, such as critical infrastructure sectors. This Standard does not apply to safety-related cybersecurity.

### 3. Normative References

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NIST. (2004). FIPS PUB 199 Standards for Security Categorization of Federal Information and Information Systems. *Federal Information Processing Standards Publication*.

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NIST. (2015). NIST SP 800-82 Guide to industrial control systems (ICS) security. 100 Bureau Drive (Mail Stop 330) Gaithersburg, MD 20899-8930: United States Department of Commerce. National Institute of Standards and Technology.