



ANSI C136.58-2019

*American National Standard for
Roadway and Area Lighting Equipment—
Luminaire Four-Pin Extension Module and Receptacle—
Physical and Electrical Interchangeability and Testing*

Secretariat:

National Electrical Manufacturers Association

Approved: August 8, 2019

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

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Luminaire Four-Pin Extension Module and Receptacle—Physical and Electrical Interchangeability and Testing

Introduction

The need for an upgradeable, intelligent luminaire having a more diverse range of functions (connectivity, sensors) has resulted in the need to develop the luminaire four-pin extension module and receptacle. The smaller footprint of the receptacle supports the miniaturization trend of LED luminaires.

Precedence

This Standard in its parts refers to ANSI C137.4—*Digital Interface with Auxiliary Power for Devices*, for the electrical interconnection between the receptacle and the driver.

In the case of any perceived discrepancy between the definitions and requirements provided in Referenced Publications (RP) and this Standard, the definitions provided in this Standard take precedence over the definitions and requirements provided in RPs.

Where the requirements of any of the clauses of RP are referred to in this Standard by the phrase “The requirements of Clause n of C136. (or RP) apply.”

1 Scope

1.1 This document defines the following roadway and area lighting equipment, which may be physically and electrically interchanged to operate within established values:

- a. A locking type 4-pin Luminaire Extension Module (LEX-M),
- b. A locking type mating 4-pin Luminaire Extension Receptacle (LEX-R),
- c. A Luminaire Extension Cap (LEX-C),