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American National Standard for Roadway and Area Lighting Equipment—Enclosed Architectural Luminaires

Secretariat:

National Electrical Manufacturers Association

Approved: May 21, 2021

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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Westire Technology Limited
Xcel Energy

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1 Scope

This Standard is intended to cover physical, operating, maintenance, and light distribution features that permit use of architectural luminaires in roadway applications when so specified.

The Standard covers side-mounted architectural luminaires that might be square, rectangular, cylindrical, spherical, or other types of decorative and nostalgic historical-style luminaires (e.g., teardrop pendants) that are considered to be any significant deviation from the luminaire style that has evolved in the industry as predominantly (commonly) known as the *cobra head* style covered in ANSI C136.14.

It is not intended that compliance with this Standard will permit interchangeability with existing roadway equipment without thorough engineering review and evaluation.

Structural requirements for poles and brackets shall be evaluated with respect to both strength and vibration. Vibration dampers may be required.

Where specified, architectural luminaires of similar effective projected area and weight meeting the requirements of this Standard based on appropriate engineering review and evaluation may be used in roadway applications with the assurance that:

a. They will fit the Standard roadway mounting devices and methods.
b. Light distribution patterns and photometric data available from manufacturers will be consistent with Standard roadway luminaires as specified in IES Standards.
c. Physical, operational, and maintenance characteristics will be similar to Standard roadway luminaires.