



ANSI C78.374-2015

American National
Standard for
Electric Lamps—
Light-Emitting Diode
Package Specification
Sheet for General
Illumination
Applications





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Electric Lamps—Light-Emitting Diode
Package Specification Sheet for
General Illumination Applications*

Secretariat:

National Electrical Manufacturers Association

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FOREWORD

(This foreword is not a part of ANSI C78.374-2015)

This is a new standard and not a revision of a previous standard.

Suggestions for improvement of this standard will be welcome. They should be sent to the following address:

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This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on Electric Lamps, C78, and its Work Group, C78WG09. Approval of the standard is not meant to imply that all work group members voted to approve it.

INTRODUCTION

With the rapidly changing light-emitting diode (LED) light sources for general illumination, there is need for a standardized LED package specification sheet, sometimes referred as “LED package datasheet,” that allows for the direct comparison of common LED characteristics across manufacturers. Currently, many LED specification sheets contain different sets of data and information that can cause confusion when users compare LED packages. Therefore, it is necessary for the American National Standards Institute (ANSI) to provide guidelines for LED manufacturers when creating LED specification sheets.

The purpose of this standardized specification sheet format is to communicate features and performance of LEDs to users in a consistent manner throughout the industry.

This document recommends the performance, operational, physical, and electrical characteristics that shall be a part of any LED specification sheet. Manufacturers have flexibility to provide supplemental information in order to further assist users. Standardizing the features and performance data to be reported by manufacturers is intended to enable comparisons of features and performance of LED sources.

For LED package data that is commonly shared across different products by the same manufacturer, such as color binning, assembly information, and packing information, internet addresses or hyperlinks from the specification sheet to supporting documents containing such information is an acceptable practice within the LED package specifications sheet requirements listed in this document.