CSA C22.2 No. 250.0:21
National Standard of Canada

Luminaires

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Standards Update Service

CSA C22.2 No. 250.0:21
March 2021

Title: *Luminaires*

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Luminaires

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ICS 29.140.40

Standard for Safety for Luminaires

Fifth Edition, Dated March 26, 2021

Summary of Topics

This new edition includes the following changes in requirements:

– Addition of testing and safety requirements for permanently-mounted, interconnected luminaires not using standard plug connection to branch-circuit voltage

– Dielectric Voltage Withstand Test

– Amend Air-handling luminaires to add UL 2043 as alternate test method for nonmetallic materials located in the air path or plenum and add subsection for Other Spaces Used for Environmental Air (Plenums).

– Accessible Edges

– Add requirements for Luminaires having a light-emitting plasma light source

– Use of detachable cord sets in luminaires

– Alignment of risk of fire definition with UL 8750

– OEM website inclusion for wiring instructions and other L5 designated markings

– Addressed LED luminaires with Edison screw lampholders

– Alternate Method for Providing Installation Instructions

– Recessed Housings for Non-Fire-Rated Installations

– Unenclosed Class 2 Wiring in Luminaires

– Supplementary Requirements for LED Luminaires using Class P LED Drivers

– SPT-3 flexible cords

– Weather resistant (WR) receptacles used in damp or wet location luminaires

– Harmonize letter height in Markings Tables

– Luminaires suitable for use in clothes closet storage spaces

– Bonding conductor test for PWB traces

– Risk of Electric Shock during Relamping – HID Luminaires with Double-ended Lamps

– Type IC recessed luminaires intended for installation in contact with low density and medium density polyurethane foam thermal insulation

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated April 10, 2020 and October 16, 2020.

Association of Standardization and Certification
NMX-J-307/1-ANCE
Fourth Edition

CSA Group
CSA C22.2 No. 250.0:21
Fifth Edition

Underwriters Laboratories Inc.
UL 1598
Fifth Edition

Luminaires

March 26, 2021

Approved American National Standard

ANSI/UL 1598-2021

Commitment for Amendments

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This ANSI/UL Standard for Safety consists of the Fifth Edition. The most recent designation of ANSI/UL 1598 as an American National Standard (ANSI) occurred on March 26, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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CONTENTS

No Text on This Page

Preface

This is the harmonized ANCE, CSA Group, and UL standard for Luminaires. It is the fourth edition of NMX-J-307/1-ANCE, the fifth edition of CSA C22.2 No. 250.0, and the fifth edition of UL 1598. This edition of CSA C22.2 No. 250.0 supersedes the previous editions published in 2018, 2008, 2004 and 2000. This edition of UL 1598 supersedes the previous edition(s) published in 2018.

This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), CSA Group, and Underwriters Laboratories Inc. (UL).

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

The present Mexican standard was developed by the CT 34 – Illumination from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the Luminaires manufacturers and users.

This Standard was reviewed by the CSA Integrated Committee on Lighting Products, under the jurisdiction of the CSA Technical Committee on Consumer and Commercial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of Harmonization

This standard is published as an equivalent standard for ANCE, CSA Group, and UL.

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Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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1 Scope

1.1 This Standard applies to luminaires for use in non-hazardous locations and that are intended for installation on branch circuits of 600 V nominal or less between conductors in accordance with the Canadian Electrical Code, Part I (CEC), CSA C22.1, with the U. S. National Electrical Code (NEC), ANSI/NFPA 70, and with the Mexican National Electrical Code, NOM-001-SEDE.

1.2 This Standard does not apply to luminaires covered by other standards. The luminaries not covered by this Standard include:

Amateur Movie Lights;

Aquarium Lights;

Cabinet Lights;

Decorative Lighting Strings;

Combination Fan/IR Lamps Used for Heating;

Electric Signs;

Exit Signs;

Junction Boxes for Swimming Pool Fixtures;

Lamp Adapters;

Low-Level Path Marking and Lighting Systems in the United States;

Low-Voltage Landscape Lighting as follows:

For products intended for installation in Canada, landscape lighting systems that are 30 V nominal or less; and

For products intended for installation in Mexico, low-voltage landscape lighting devices that are 24 V nominal or less.

For products intended for installation in the United States, low-voltage landscape lighting devices that are of 15 V nominal or less;

Low Voltage Lighting Fixtures for Use in Recreational Vehicles;

Low Voltage Marine Lighting;

Luminaires for Hazardous Locations;

Luminaires for Recreational Vehicles in the United States;

Marine Navigational Lights;

Marine-Type Fixtures;

Portable Electric Displays;

Portable Hand Lamps;

Portable Luminaires;