CANADIAN STANDARDS ASSOCIATION

C22.2 No. 1993-09

Self-Ballasted Lamps and Lamp Adapters

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NMX-J-578/1-ANCE
First Edition

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CSA C22.2 No. 1993-09
First Edition

Underwriters Laboratories Inc.
UL 1993
Third Edition

Self-Ballasted Lamps and Lamp Adapters

August 28, 2009

ANSI/UL 1993-2009

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Preface

This is the harmonized ANCE, CSA, and UL Standard for Self-Ballasted Lamps and Lamp Adapters. It is the first edition of NMX-J-578/1-ANCE, the first edition of CSA C22.2 No. 1993, and the third edition of UL 1993. This edition of CSA C22.2 No. 1993 replaces the Technical Information Letter TIL No. B-36B "Self-Ballasted Fluorescent Lamps with Medium Screw-Base and Integral-Ballasted Adapters with Medium Screw-Base for Fluorescent Lamps." This edition of UL 1993 supersedes the previous edition published in 2006.

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This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), the Canadian Standards Association (CSA), and Underwriters Laboratories Inc. (UL). The efforts and support of the Technical Harmonization Committee for Self-Ballasted Lamps, of the Council of the Harmonization of Electrotechnical Standards for the Nations of the Americas (CANENA), are gratefully acknowledged.

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

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 approved by the American National Standards Institute (ANSI) as an American National Standard.

A UL standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest set of revised requirements.

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 CSA and UL and a proposed equivalent standard for ANCE. An equivalent standard is a standard that is substantially the same in technical content, except as follows. Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

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.

ANCE effective date

The effective date for ANCE will be announced through the *Diario Oficial de la Federation (Official Gazette)*.

CSA effective date

The effective date for CSA International will be announced through CSA Informs or a CSA Certification Notice.

UL effective date

As of August 28, 2009, all products Listed or Recognized by UL must comply with the requirements in this standard except for clauses, figures, and tables in the following list, which are effective February 28, 2012.

Clauses 5.3.3, 6.3.1, 6.4, 6.6, 6.9.3, 6.10, 8.5.3, 8.10, 8.16, 8.17, 8.18, 9.5.2, and 9.5.3, and Table 10.1.

Between August 28, 2009 and February 28, 2012, new product submittals to UL may be evaluated under all requirements in this standard or, if requested in writing, evaluated under presently effective requirements only. The presently effective requirements are contained in the Second edition of UL 1993.

A UL effective date is one established by Underwriters Laboratories Inc. and is not part of the ANSI approved standard.

1 Scope

1.1 These requirements are intended to cover both self-ballasted lamps and self-ballasted lamp adapters rated 120 to 347 V AC nominal for connection to screw-, pin-base, and recessed single contact (RSC or R7) lampholders. These devices are intended for use in accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, in non-hazardous locations, and the Instalaciones Eléctricas (utilización), NOM-001-SEDE.

1.2 These devices incorporate resistance, reactance, or electronic (solid-state) type ballasts or power supplies. These devices employ various lamp technologies including, but not limited to, incandescent, fluorescent, high-intensity discharge lamps, light-emitting diodes.

1.3 This standard does not apply to medium-to-medium base (E26) fittings that incorporate controls such as photocells, motion detectors, radio controls, or dimmers covered by other standards.

1.4 These devices are not intended for use with emergency exit fixtures or emergency exit lights.

2 Reference Publications

2.1 Normative references

2.1.1 For undated references to standards, such reference shall be considered to refer to the latest edition and all revisions to that edition up to the time when this standard was approved. For dated references to standards, such reference shall be considered to refer to the dated edition and all revisions published to that edition up to the time the standard was approved.

ANCE (Mexican National Standards)

NMX-J-024-ANCE
Iluminación – Portalámparas roscados tipo Edison – Especificaciones y métodos de prueba

NMJ-J-565/2-11-ANCE
Prueba de riesgo de incendio – Parte 2-10: Métodos de prueba basados en hilo incandescente/caliente – Método de prueba de inflamabilidad de hilo incandescente para productos finales

NOM-001-SEDE
Instalaciones Eléctricas (utilización)

NOM-003-SCFI
Productos eléctricos – Especificaciones de seguridad

NOM-058-SCFI
Productos eléctricos – Balastros para lámparas de descarga eléctrica en gas – Especificaciones de seguridad

NOM-J-578-ANCE
Iluminación – Lámparas fluorescentes compactas autobalastradas – Seguridad y métodos de prueba

ANSI/ISA (American National Standards Institute/Instrumentation, Systems, and Automation Society)

ANSI/ISA MC96.1
Temperature Measurement Thermocouples