

## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

#### C22.2 No. 126.2-02, 1st edition

*Nonmetallic Cable Tray Systems* (Bi-national with UL 568)..... \$100

This standard specifies the requirements for nonmetallic cable trays and associated fittings designed for use in accordance with the rules of the *Canadian Electrical Code (CEC) Part 1*, and the *National Electrical Code® (NEC)*.

#### CAN/CSA-CEI/IEC CISPR 22:02, 2nd edition (bilingual)

*Information Technology Equipment–Radio Disturbance Characteristics–Limits and Methods of Measurement* (Adopted CEI/IEC CISPR 22:1997, third edition, with Canadian deviations)..... \$135

This standard establishes the limits and methods of measurement of conducted and radiated electromagnetic emissions from information technology equipment. The intent of this standard is to limit conducted and radiated emissions from equipment so that they do not interfere with the electromagnetic environment.

#### CAN/CSA-E60598-1:02, 2nd edition (bilingual)

*Luminaires–Part 1: General Requirements and Tests* (Adopted CEI/IEC 60598-1:1996, fifth edition, including Amendment 1:1998 and Amendment 2:1999, with Canadian deviations)..... \$215

This Part 1 standard specifies general requirements for luminaires designed to be installed on branch circuits not exceeding 600 V nominal or less between conductors in accordance with the rules of the *Canadian Electrical Code, Part I*. The requirements and related tests of this standard cover classification, marking, mechanical construction and electrical construction.

This standard provides safety requirements and tests which are considered to be generally applicable to most types of luminaires.

Requirements for semi-luminaires are covered in a separate standard.

### Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

#### CAN/CSA-CEI/IEC CISPR 22:02, 2<sup>e</sup> édition (bilingue)

*Appareils de traitement de l'information–Caractéristiques des perturbations radioélectriques–Limites et méthodes de mesure* (Norme CEI/IEC CISPR 22:1997, 3<sup>e</sup> édition, avec les exigences propres au Canada)..... 135 \$

Cette norme établit les valeurs limites et les méthodes de mesure des impulsions électromagnétiques produits par les appareils de traitement de l'information. Le but de cette norme est de limiter les impulsions électromagnétiques produites par les appareils afin d'éviter qu'ils n'interfèrent avec l'environnement électromagnétique.



## Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

### **CAN/CSA-E60598-1:02, 2<sup>e</sup> édition (bilingue)**

*Luminaires–Partie 1 : Prescriptions générales et essais* (Norme CEI/IEC 60598-1:1996, 5<sup>e</sup> édition, y compris l’amendement 1:1998 et l’amendement 2:1999, avec les exigences propres au Canada) ..... 215 \$

La présente partie 1 spécifie pour les luminaires incorporant des sources lumineuses électriques, les prescriptions générales pour le fonctionnement à des tensions d'alimentation jusqu'à 1 000 V. Les prescriptions et les essais correspondants de cette norme concernent : la classification, le marquage, la construction mécanique et électrique.

Les exigences visant les semi-luminaires font l'objet d'une autre norme. Cette norme vise la sécurité d'appareils conçus pour être raccordés à des dérivations d'au plus 600 V entre les conducteurs, conformément au *Code canadien de l'électricité, Première partie*.

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## Amendments

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### **CAN/CSA-C22.2 No. 42.1-00**

*Cover Plates for Flush-Mounted Wiring Devices*

Revision of the outside and inside front cover, and the title page.

### **C22.2 No. 179-00**

*Airport Series Lighting Cables*

Revision of the Table of Contents and Clauses 1.1, 3.2, 6.4.1, 6.4.1.1, and 6.6.4.2. Addition of Clause 6.5.3. Deletion of Clause 6.4.2.

### **C22.2 No. 214-02**

*Communications Cables*

Revision of the title page, the copyright page, Clauses 3.1, 6.14.1, and 7.3.3.1, and Tables 2, 3, and A1.

### **CAN/CSA-E384-14A-95 (bilingual)**

*Fixed Capacitors for Use in Electronic Equipment–Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains*. Amendment 1:2002 (adopted Amendment 1:1995 to CEI/IEC 384-14:1993, without modifications) ..... \$25

This document provides revisions to CAN/CSA-E384-14-95.

### **CAN/CSA-E598-2-1-98 (R2002) (bilingual)**

*Luminaires–Part 2: Particular Requirements–Section 1: Fixed General Purpose Luminaires* (Adopted CEI/IEC 598-2-1:1979, first edition, with Canadian deviations)

Revision of Clause 1.1.

**Amendments (cont'd)**

**CAN/CSA-E598-2-19-98 (R2002) (bilingual)**

*Luminaires—Part 2: Particular Requirements—Section 19: Air Handling Luminaires (Safety Requirements)* (Adopted CEI/IEC 598-2-19:1981, first edition, with Canadian deviations)

Revision of Clause 19.1.

**CAN/CSA-E691A-94 (bilingual)**

*Thermal-links—Requirements and Application Guide. Amendment 1:2002* (adopted Amendment 1:1995 to CEI/IEC 691:1993, with Canadian deviations) ..... \$30

This document provides revisions to CAN/CSA-E691-94.

**CAN/CSA-E691B-94 (bilingual)**

*Thermal-links—Requirements and Application Guide. Amendment 2:2002* (adopted Amendment 2:2000 to CEI/IEC 691:1993, with Canadian deviations) ..... \$25

This document provides revisions to CAN/CSA-E691-94.

**CAN/CSA-E730-2-3B-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2-3: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps. Amendment 2:2002* (adopted Amendment 2:2001 to CEI/IEC 730-2-3:1990, without modifications) ..... \$25

This document provides revisions to CAN/CSA-E730-2-3-94.

**CAN/CSA-E730-2-4B-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2-4: Particular Requirements for Thermal Motor Protectors for Motor-Compressors of Hermetic and Semi-Hermetic Type. Amendment 2:2002* (adopted Amendment 2:2001 to CEI/IEC 730-2-4:1990, without modifications) ..... \$25

This document provides revisions to CAN/CSA-E730-2-4-94.

**CAN/CSA-E730-2-6A-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements. Amendment 1:2002* (adopted Amendment 1:1994 to CEI/IEC 730-2-6:1991, without modifications) ..... \$40

This document provides revisions to CAN/CSA-E730-2-6-94.

**CAN/CSA-E730-2-6B-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements. Amendment 2:2002* (adopted Amendment 2:1997 to CEI/IEC 730-2-6:1991, without modifications) ..... \$20

This document provides revisions to CAN/CSA-E730-2-6-94.



**Amendments (cont'd)**

**CAN/CSA-E730-2-10B-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2-10: Particular Requirements for Motor Starting Relays. Amendment 2:2002*

(adopted Amendment 2:2001 to CEI/IEC 730-2-10:1991, without modifications)..... \$25

This document provides revisions to CAN/CSA-E730-2-10-94.

**CAN/CSA-E730-2-11A-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Energy Regulators. Amendment 1:2002*

(adopted Amendment 1:1994 to CEI/IEC 730-2-11:1993, without modifications)..... \$25

This document provides revisions to CAN/CSA-E730-2-11-94.

**CAN/CSA-E730-2-11B-94 (bilingual)**

*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Energy Regulators. Amendment 2:2002*

(adopted Amendment 2:1997 to CEI/IEC 730-2-11:1993, without modifications)..... \$20

This document provides revisions to CAN/CSA-E730-2-11-94.

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**Modifications publiées en français**

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**CAN/CSA-C22.2 n° 42.1-00**

*Plaques-couvercles pour dispositifs de câblage en affleurement*

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture, ainsi qu'à la page titre.

**CAN/CSA-C22.2 n° 61-M89 (C1999)**

*Cuisinières pour usage ménager*

Des modifications ont été apportées aux articles 6.3.1.6 et 6.3.1.13.

**CAN/CSA-E384-14A-95 (bilingue)**

*Condensateurs fixes utilisés dans les équipements électroniques—Partie 14 : Spécification intermédiaire : Condensateurs fixes d'antiparasitage et raccordement à l'alimentation.*

Amendement 1:2002 (norme CEI/IEC 384-14 :1993, amendement 1:1995, adoptée sans modifications)..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E384-14-95.

**CAN/CSA-E598-2-1-98 (C2002) (bilingue)**

*Luminaires—Deuxième partie : Règles particulières—Section un : Luminaires fixes usage général (norme CEI/IEC 598-2-1:1979, 1<sup>re</sup> édition, adoptée avec les exigences propres au Canada)*

Des modifications ont été apportées à l'article 1.1.

**Modifications (suite)**

**CAN/CSA-E598-2-19-98 (C2002) (bilingue)**

*Luminaires—Deuxième partie : Règles particulières—Section dix-neuf—Luminaires à circulation d'air (règles de sécurité) )* (norme CEI/IEC 598-2-19:1981, 1<sup>re</sup> édition, adoptée avec les exigences propres au Canada)

Des modifications ont été apportées à l'article 19.1.

**CAN/CSA-E691A-94 (bilingue)**

*Protecteurs thermiques—Prescriptions et guide d'applications.* Amendement 1:2002 (norme CEI/IEC 691:1993, amendement 1:1995, adoptée avec les exigences propres au Canada) ..... 30 \$

Ce document contient des modifications à la norme CAN/CSA-E691-94.

**CAN/CSA-E691B-94 (bilingue)**

*Protecteurs thermiques—Prescriptions et guide d'applications.* Amendement 2:2002 (norme CEI/IEC 691:1993, amendement 2:2000, adoptée avec les exigences propres au Canada) ..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E691-94.

**CAN/CSA-E730-2-3B-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2-3 : Règles particulières pour les protecteurs thermiques des ballasts pour lampes tubulaires à fluorescence.* Amendement 2:2002 (norme CEI/IEC 730-2-3:1990, amendement 2:2001, adoptée, sans modifications)..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-3-94.

**CAN/CSA-E730-2-4B-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2-4 : Règles particulières pour les protecteurs thermiques de moteurs pour motocompresseurs de type hermétique et semi-hermétique.* Amendement 2:2002 (norme CEI/IEC 730-2-4:1990, amendement 2:2001, adoptée, sans modifications) ..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-4-94.

**CAN/CSA-E730-2-6A-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2 : Règles particulières pour les dispositifs de commande électrique automatiques sensibles à la pression y compris les prescriptions mécaniques.* Amendement 1:2002 (norme CEI/IEC 730-2-6:1991, amendement 1:1994, adoptée, sans modifications) ..... 40 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-6-94.

**CAN/CSA-E730-2-6B-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—Partie 2 : Règles particulières pour les dispositifs de commande électrique automatiques sensibles à la pression y compris les prescriptions mécaniques.* Amendement 2:2002 (norme CEI/IEC 730-2-6:1991, amendement 2:1997, adoptée, sans modifications) ..... 20 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-6-94.



**Modifications publiées en français (suite)**

**CAN/CSA-E730-2-10B-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—  
Partie 2-10 : Règles particulières pour les relais de démarrage de moteur.*

Amendement 2:2002 (norme CEI/IEC 730-2-10:1991, amendement 2:2001, adoptée, sans modifications)..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-6-94.

**CAN/CSA-E730-2-11A-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—  
Partie 2 : Règles particulières pour les régulateurs d'énergie.* Amendement 1:2002

(norme CEI/IEC 730-2-11:1993, amendement 1:1994, adoptée sans modifications) ..... 25 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-11-94.

**CAN/CSA-E730-2-11B-94 (bilingue)**

*Dispositifs de commande électrique automatiques à usage domestique et analogue—  
Partie 2 : Règles particulières pour les régulateurs d'énergie.* Amendement 2:2002

(norme CEI/IEC 730-2-11:1993, amendement 2:1997, adoptée sans modifications) ..... 20 \$

Ce document contient des modifications à la norme CAN/CSA-E730-2-11-94.

**Reaffirmed Standards**

**C22.2 No. 9.0S1-97 (R2002)**

*Supplement No. 1 to C22.2 No. 9.0-96, "General Requirements for Luminaires"*

**CAN/CSA-C71-2-98 (R2002)**

*Insulation Coordination—Part 2: Application Guide*

**CAN/CSA-C871-1-98 (R2002)**

*Shunt Capacitors for A.C. Power Systems Having a Rated Voltage Above 660 V—Part 1: General—Performance, Testing and Rating—Safety Requirements—Guide for Installation and Operation* (Adopted CEI/IEC 871-1:1987, first edition, including Amendment 1:1991, without modifications)

**CAN/CSA-C871-2-98 (R2002)**

*Shunt Capacitors for A.C. Power Systems Having a Rated Voltage Above 660 V—Part 2: Endurance Testing* (Adopted CEI/IEC 871-2:1987, first edition, including Amendment 1:1991, without modifications)



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## Formal Interpretations

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The following interpretation regarding CSA standard **C22.2 No. 38, Clause 4.4.10.1**, has been approved by the Technical Committee on Wiring Products.

**Question:** Does the jacket need to be separable from the insulation for a single conductor, Type RW-90, with EP insulation and EP jacket?

**Answer:** No.

## Under Development

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### Notice of Intent

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For more information about the proposed development of the following new project, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **C22.2 No. 106, 5th edition**  
*HRC Fuses*

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### Drafts for Public Review

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**Please note:** Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by February 19, 2003.

#### *Draft Standards*

To receive copies of the following draft standards, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 43, 5th edition**  
*Lampholders*
- **C22.2 No. 254, 1st edition**  
*Motor Control Centres*

#### *Proposed Amendments*

To receive copies of the following proposed amendment, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.3 No. 1-M87 (R2002)**  
*Overhead Systems*

Proposed revision of Clauses 1.1, A.4, and A.4.7, Tables 3, 24, 31, and 32, and Figure 2.



## Drafts for Public Review (cont'd)

### ***Proposed Adoptions***

For more information about the proposed adoption of the following IEC standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **IEC 61000-2-2:2002**  
*Electromagnetic Compatibility (EMC)–Part 2-2: Environment–Compatibility Levels for Low-Frequency Conducted Disturbances and Signaling in Public Low-Voltage Power Supply Systems*
- **IEC 61000-4-2 A2:2000**  
*Electromagnetic Compatibility (EMC)–Part 4-2: Testing and Measurement Techniques–Electrostatic Discharge Immunity Test. Amendment 2 (Amendment 2 to CEI/IEC 61000-4-2:1995)*
- **IEC 61000-4-3:2002**  
*Electromagnetic Compatibility (EMC)–Part 4-3: Testing and Measurement Techniques–Radiated, Radio-Frequency, Electromagnetic Field Immunity Test*
- **IEC 61000-4-4 A2:2001**  
*Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 4: Electrical Fast Transient/Burst Immunity Test–Basic EMC publication. Amendment 2 (Amendment 2 to CEI/IEC 61000-4-4:1995)*
- **IEC 61000-4-14 A1:2001**  
*Electromagnetic Compatibility (EMC)–Part 4-14: Testing and Measurement Techniques–Voltage Fluctuation Immunity Test. Amendment 1 (Amendment 1 to CEI/IEC 61000-4-14:1999)*
- **IEC 61000-4-28 A1:2001**  
*Electromagnetic Compatibility (EMC)–Part 4-28: Testing and Measurement Techniques–Variation of Power Frequency Immunity Test. Amendment 1 (Amendment 1 to CEI/IEC 61000-4-28:1999)*
- **IEC 61936-1:2002**  
*Power Installation Exceeding 1 kV AC–Part 1: Common Rules*
- **IEC CISPR 11:2001**  
*Industrial, Scientific and Medical (ISM) Radio-Frequency Equipment–Electromagnetic Disturbance Characteristics–Limits and Methods of Measurement*
- **IEC CISPR 12:2001**  
*Vehicles, Boats, and Internal Combustion Engine Driven Devices–Radio Disturbance Characteristics–Limits and Methods of Measurement for the Protection of Receivers Except Those Installed in the Vehicle/Boat/Device Itself or in Adjacent Vehicles/Boats/Devices*



## Drafts for Public Review (cont'd)

### *Proposed Endorsements*

For more information about the proposed endorsement of the following IEC standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **IEC/TR3 61000-3-6:1996**  
*Electromagnetic Compatibility (EMC)–Part 3: Limits–Section 6: Assessment of Emission Limits for Distorting Loads in MV and HV Power Systems–Basic EMC Publication*
- **IEC/TR3 61000-3-7:1996**  
*Electromagnetic Compatibility (EMC)–Part 3: Limits–Section 7: Assessment of Emission Limits for Fluctuating Loads in MV and HV Power Systems–Basic EMC Publication*

## **Certification and Testing (CSA International)**

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### Certification Notices

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**Please note:** ▶ Notices marked with an arrowhead are new in this issue.

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
January 1, 2003	Reminder of the effective date for CSA standard CAN/CSA-C22.2 No. 1010.1-92, <i>Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use, Part 1: General Requirements</i> . (Supersedes <i>Information Measurement, Control and Laboratory Equipment No. 3</i> .)	Measurement, Control and Laboratory Equipment No. 3A
November 7, 2003	Publication of the third edition of CSA standard C22.2 No. 104-01, <i>Humidifiers</i> . (Supersedes Certification Notice <i>Humidifiers No. 1</i> .)	Humidifiers No. 2
▶ April 10, 2004	Publication of an amendment to the twelfth edition of standard UL 153, <i>Portable Electric Luminaires</i> . The requirements in standard UL 153 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with <i>NRTL</i> or <i>US</i> indicator.	Lighting Products No. 39
July 1, 2004	Publication of Technical Information Letter No. I-39. This TIL covers interim certification requirements. These requirements will be incorporated into the next edition of C22.2 No. 1.	Audio and Video Equipment No. 15
September 30, 2004	Publication of the third edition of CSA standard C22.2 No. 107.1-01, <i>General Use Power Supplies</i> . (Supersedes Certification Notice <i>Power Supplies No. 4</i> .) (Note: The effective date was September 2002 for certain types specified in the notice.)	Power Supplies No. 18