

# CERTIFICATION Informs

An Urgent Bulletin from CSA Group

**Ref No: I18-082**

**Lighting Products No. 96**

*(Supersedes Informs Lighting Products Nos. 75 and 80,  
Ref Nos: I14-111 and I15-101)*

**Existing Certification not affected**

**Date: June 21, 2018**

**Apply any time to have your products evaluated**

Announcing: Publication of CSA-C22.2 No. 250.13-17 (3rd Edition), Light Emitting Diode (LED) equipment for use in lighting applications

See Attachment 1 for affected Class Numbers.

To purchase the Standard, visit us at [www.shop.csa.ca](http://www.shop.csa.ca)

**Who is affected?**

Manufacturers of LED controlgear, LED modules, and LED equipment for use in lighting applications.

**What do you do?**

1. This publication outlines certification revisions that do not affect your currently certified product designs.
2. Please contact CSA technical staff if you have questions or need information concerning this publication and how it applies to you.
3. If you would like to arrange for an evaluation of new products to the revisions, initiate a certification project by contacting our Client Services Centre at 1-866-797-4272. Please supply appropriate supporting documentation\*. If testing is needed, we will inform you of the samples required.

\*which includes technical information, company name, address, factory locations and CSA file number or master contract number (if assigned), and any other relevant documentation.

**Introduction:**

This announces publication of the second edition of CAN/CSA-C22.2 No. 250.13-17, Light Emitting Diode (LED) equipment for use in lighting applications. This standard provides safety requirements for LED lighting equipment as well as components in lighting products employing LED technology, such as LED Controlgear (LED Drivers), LED Control Modules (LED Controllers), LED Arrays (LED Modules), and LED Packages.

This standard supplements end-product lighting standards, as provided in the scope, which may utilize LED equipment. Publication of this standard will not affect LED equipment currently certified in the Lighting Product Classes as shown in Attachment 1. However, if there are any changes to currently certified products, the product shall be evaluated to the requirements of CAN/CSA C22.2 No. 250.13-17.

**Major Revisions:**

See attachment 2

For questions specific to your file or products contact your CSA Group technical staff associate.

Go to <http://www.csagroup.org/services/testing-and-certification/product-listing/> and enter your Master Contract # and the class numbers associated with this Informs to view your certified products.

**For technical questions on this Informs**

Contact Avery Yearwood  
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Visit us at [www.csagroup.org](http://www.csagroup.org) where you can click on "Contact Us" for the online phone listing of our Offices and Partners.

## ATTACHMENT 1

### Affected Class Numbers

Class No:

3321 04, LAMPS - LED - Self-ballasted lamps and lamp adapters  
3402 01, LUMINAIRE-LED - Landscape Lighting Systems  
3402 02, LUMINAIRE-LED – surface mounted  
3402 03, LUMINAIRE-LED – for wet locations  
3402 04, LUMINAIRE-LED - Illuminated Display Cases  
3402 06, LUMINAIRE-LED - Recessed Type  
3402 11, PORTABLE LUMINAIRE - LED - Cabinet and Under cabinet  
3402 13, LUMINAIRE-LED - Modules and Strips - Component  
3402 14, TRAFFIC SIGNS KITS - LED - Component  
3402 15, LUMINAIRE-LED - Landscape Lighting Systems - Components  
3421 05, LUMINAIRE – Factory Evaluated Luminaires  
3425 02, LUMINAIRE - For Horticultural Use  
3425 08, LUMINAIRE - Luminaires - Stage and Studio Type  
3426 32, LUMINAIRE-LED Drivers  
3426 33, SIGNS - LED Modules and Strips - Component  
3426 98, LUMINAIRE-LED Drivers - Class P - Certified to US Standards  
3431 02, PORTABLE LUMINAIRE - Nightlights  
3451 01, PORTABLE LUMINAIRE -  
3451 04, PORTABLE LUMINAIRE - Work Lights  
3451 06, PORTABLE LUMINAIRE - Aquarium Type  
3451 07, PORTABLE LUMINAIRE - Extension Handlamps  
3451 08, PORTABLE LUMINAIRE - Portable Temporary Lighting Strings  
3452 01, PORTABLE LUMINAIRE - Miscellaneous  
3461 01, SIGNS - Stationary Signs  
3461 04, TRAFFIC SIGNS - LED  
3462 01, SIGNS - Portable Displays or Signs  
3462 02, SIGNS LED - Portable Displays or Signs

## ATTACHMENT 2

### Major Revisions

The following is a summary of major revisions made in CAN/CSA-C22.2 No. 250.13-17, which supersedes the previous edition published in 2014.

Subject	Clause	Changes
Definitions	3	Revised the definition for “Risk of fire” to include circuits with a 15 VA maximum power limit in the list of conditions not representing a risk of fire.  Added definition for “Test reference point” to support LED array markings that may be used for reference during a temperature test (i.e. T <sub>c</sub> point).
Polymeric material for enclosures and electrical insulation	7.3	Clarification of the fire enclosure material requirements for SELV circuits that exceed an energy level of 20J or 240VA.  Relaxation added where a fire enclosure is not required for parts supplied from a circuit of 15 VA maximum power limit under normal and single fault conditions.

<b>Subject</b>	<b>Clause</b>	<b>Changes</b>
Supply and load connections	8.4	Added clause to clarify when a product not intended for use as a built-in component is required to comply with requirements for direct plug-in type, or cord and attachment plug type units.
Electrical Spacings	Table 7 (8.8.2)	Revision to table for spacings other than on printed circuit boards or board –mounted components. The value for over surface spacing at 301-600V rms has been reduced to 9.5 mm.
Coil insulation	8.11	Clause added to clarify the criteria for acceptance of electrical insulation systems used in transformers or coils, depending on circuit type. Replaced Clause 8.11.2.11 with 8.11.3.
Temperature test	9.3	<p>Added Test Reference Point requirements and test method for LED array markings (i.e. <math>T_c</math> point) to the temperature test.</p> <p>Method clarified for situation where optical radiation from the light source may affect the accuracy of a temperature measurement.</p> <p>Added requirements for temperature test LED drivers identified as suitable for use with solid-state dimming controls wired in series with the mains supply.</p>
Circuit power limit measurement test	9.6	Revisions to test to determine the power available to a circuit under any loading condition, including short circuit, in order to determine (formerly known as the 50 W point power measurement test).
Construction-related markings	10.3	Added marking requirements related to LED controlgear that may be marked “dimmable”, or intended to be used with identified dimmer manufacturer/models.
Printed circuit boards (PCB)	Annex C	Added clarification that printed circuit boards, conformal coatings and components that are supplied by Class 2 or LVLE circuits need not comply with flammability requirements.
LED controlgear protected against overheating (i.e. Class P LED drivers)	Annex F	Added Annex F for requirements for LED controlgear incorporating means of protection against overheating (Class P).