

## STANDARD INFORMATION

**Standard Number:** CSA C22.2 No. 37  
**Standard Name:** Decorative Lighting Products  
**Standard Edition and Issue Date:** 6<sup>th</sup> Edition Dated October 1, 2017  
**Date of Revision:** October 1, 2017  
**Date of Previous Revision of Standard:** November 1, 2014

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **September 9, 2019**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

### Overview of Changes:

- Requirements changed for series-connected lampholders, which shall be of minimum V-0 rated material
- Push-in lampholders shall comply with the requirements for accessibility of live parts during either the removal or insertion of a lamp, and while the lamp is removed.
- The lampholder needle-flame test was added to determine compliance of lampholder assemblies in a series-connected lighting string

Specific details of new/revise requirements are found in table below.

**If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).**

### Client Action Required:

**Information** – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are underlined and deletions are shown lined out below.</i>
5	Info	<b>General requirements</b>
5.1	Info	<b>Mechanical construction</b>
5.1.4	Info	<b>Enclosures</b>
5.1.4.3	Info	<b>Polymeric enclosures</b>
		<b><i>New clause added;</i></b>
5.1.4.3.7		The body of a lampholder in a series-connected decorative light string shall be molded from a polymeric material with flammability classification V-0 and shall comply with the needle flame test of Clause 5.9.8. The body of a lamp-base or adapter of a replaceable lamp shall be formed from the same polymeric material as the lampholder.
5.2	Info	<b>Electrical construction</b>
5.2.3	Info	<b>Accessibility of live parts</b>
5.2.3.2		Parts that are required to be enclosed by Clause 5.2.3.1 shall not be accessible through any opening, <del>during operation, or during normal servicing such as relamping or cleaning, as determined by the articulate probe test of Clause 5.14.1.</del> <u>as determined by the articulate probe test of Clause 5.14.1 under the following conditions:</u>  a) <u>normal operation;</u> b) <u>for push-in lampholders, during either the removal or insertion of a lamp, and while the lamp is removed; and</u> c) <u>for parallel-connected screw-base lampholders, with a lamp fully inserted.</u>
5.9	Info	<b>Additional tests for products with polymeric enclosures</b>
5.9.8		<b><i>New section added;</i></b>  <b>Lampholder needle flame test</b>
5.9.8.1		Five samples of lampholder assemblies from a series-connected decorative lighting string shall be selected from a finished product and subjected to the needle flame test described in Clauses 5.9.8.2 to 5.9.8.4.  The samples shall be considered acceptable if neither of the following occurs during the test:  a) consumption of the entire lampholder body; or b) ignition of the cotton indicating layer.



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		The test apparatus shall be as described for the needle-flame test in CAN/CSA-C22.2 No. 0.17, Annex B, with the following modifications:
5.9.8.2		<p>a) the indicating layer shall be absorbent surgical cotton positioned 300 mm ± 10 mm below the bottom of the test specimen; and</p> <p>b) the indicating layer shall be formed from a small portion (approximately 13 mm by 25 mm) of surgical cotton pulled from the supply and spread into a square of approximately 25 mm by 25 mm with a maximum free-standing thickness of 6 mm, and with a weight not exceeding 0.08 g.</p>
		Sample lampholders shall be prepared as follows:
5.9.8.3		<p>a) each specimen shall be positioned in a vertical base-up position;</p> <p>b) any decorative parts or diffusers not serving as an enclosure shall be removed;</p> <p>c) a push-in lamp with lamp adapter shall remain inserted;</p> <p>d) for a non-replaceable lamp, the lamp shall remain inserted;</p> <p>e) electrical contacts and the wire leads shall remain attached in the lampholder, with the wire leads cut to a minimum length of 51 mm and have their insulation removed;</p> <p>f) a clamp shall secure the lampholder by the leads at a distance of 51 ± 3 mm above the lampholder body; and</p> <p>g) if the lampholder body is not completely cylindrical in shape, it shall be positioned to have the flame applied to the widest and/or flattest side of the body.</p>
5.9.8.4		In accordance with test procedure of the needle-flame test in CAN/CSA-C22.2 No. 0.17, Annex B, the test flame shall first be applied to the side of the specimen for 10 s, and then withdrawn to a minimum distance of 150 mm from the specimen. After 60 s, the flame shall be reapplied a second time for 10 s. Repositioning the burner to reapply the flame to the lampholder body due to deterioration during the test shall be permitted.
<p><b>CUSTOMERS PLEASE NOTE:</b> This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.</p>		