C22.2 No. 37-17

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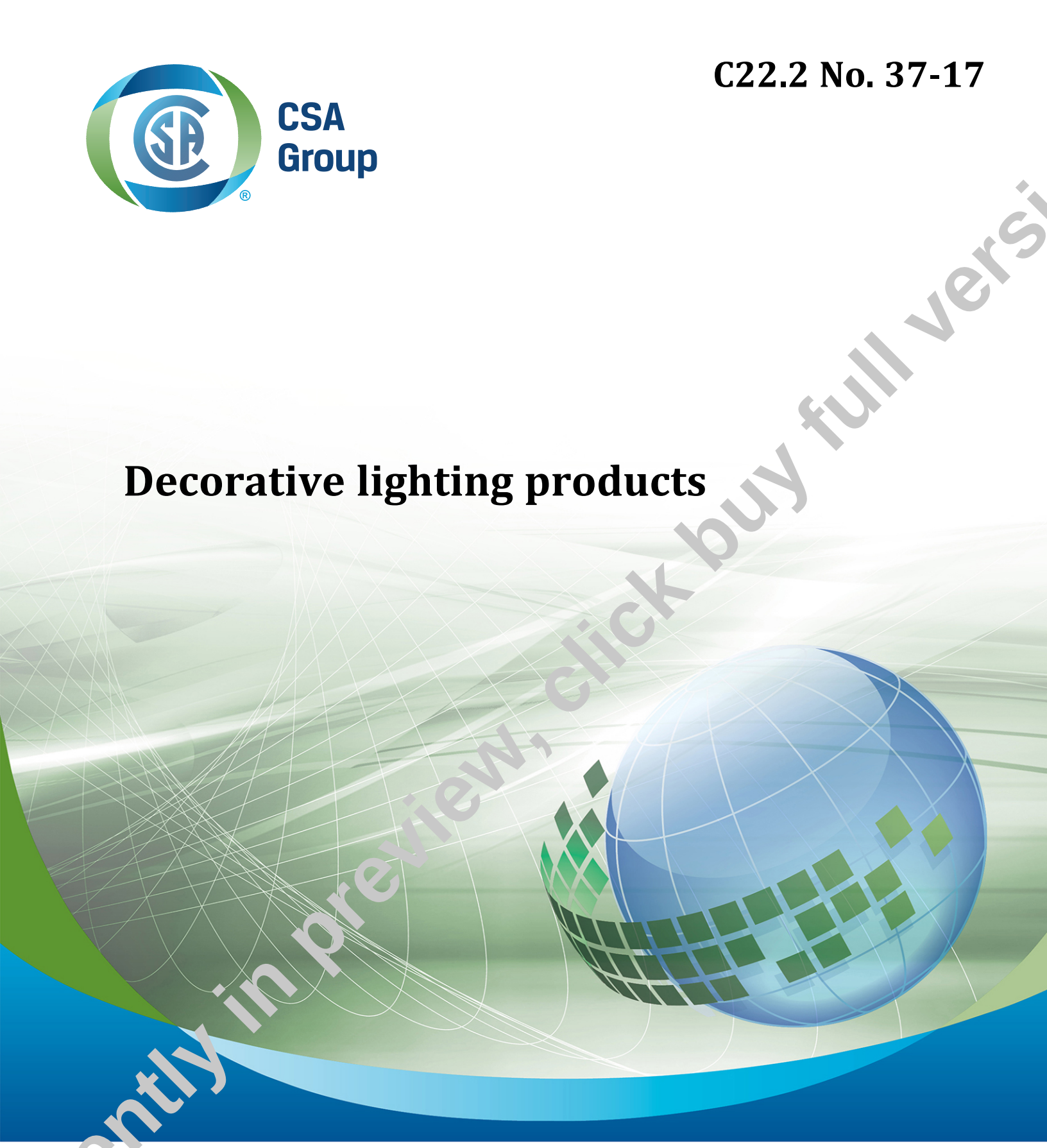
Decorative lighting products



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Preface

This is the sixth edition of CSA C22.2 No. 37, *Decorative lighting products*, one of a series of Standards issued by CSA Group under Part II of the Canadian Electrical Code. It supersedes the previous editions published in 2014, 1989, 1964, 1958, and 1937.

This edition updates the 2014 edition of CSA C22.2 No. 37. The major differences include the test procedures for polymeric enclosure materials and flammability specifications, the lampholder needle flame test, the 10 second flame test for decorative parts, the strain relief testing methods, and requirements for flexible cords and conductors.

For general information on the Standards of the Canadian Electrical Code, Part II, see the Preface of CAN/CSA-C22.2 No. 0 *General requirements — Canadian Electrical Code, Part II*.

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

This Standard was prepared by the Integrated Committee on Lighting Products (ICLP) under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

Interpretations: The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: "The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA's procedures for interpretation shall be followed to determine the intended safety principle."

Notes:

1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
2) *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.*
3) *This Standard was developed by consensus, which is defined by* CSA Policy governing standardization — Code of good practice for standardization *as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
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   b) *provide an explanation of circumstances surrounding the actual field condition; and*
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   Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization *and are available on the Current Standards Activities page at standardsactivities.csa.ca.*
5) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line:*
   a) *Standard designation (number);*
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   c) *wording of the proposed change; and*

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d) *rationale for the change.*

C22.2 No. 37-17
Decorative lighting products

1 Scope

1.1
This Standard applies to decorative lighting strings, decorative lighting outfits, pre-lit trees, and accessories, intended for seasonal or commercial use connected to circuits of 120 V nominal or less by means of an attachment plug, and designed to be used in accordance with the rules of the *Canadian Electrical Code, Part I*, in non-hazardous locations.

1.2
These requirements cover electrically-assembled
a) series or series-parallel connected lighting strings;
b) parallel connected lighting strings;
c) decorative outfits;
d) controllers and flashers; and
e) motor operated tree stands.

1.3
These requirements additionally cover ornaments, which are provided with an adapter for connection to a push-in lampholder and are intended to replace a push-in lamp in a series-connected decorative-lighting string.

1.4
These requirements do not cover
a) strings employing lampholders larger than intermediate-screw;
b) permanently connected products;
c) portable luminaries;
d) cord sets, power supply cords, and cord-connected, multiple receptacle extension boxes;
e) fibre-optic devices, if not used in conjunction with decorative lighting; and
f) strings employing candelabra lampholders of the bayonet type.

1.5
Decorative lighting products not incorporating lighting strings are covered by the requirements of CSA C22.2 No. 250.4.

1.6
The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

1.7
In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that

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which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications

Where reference is made to other publications, such reference shall be considered to refer to the latest edition and any revisions thereto.

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C22.1-15
Canadian Electrical Code, Part I

CAN/CSA-C22.2 No. 0-10 (R2015)
General Requirements — Canadian Electrical Code, Part II

C22.2 No. 0.15-15
Adhesive labels

C22.2 No. 0.3-09 (R2014)
Test methods for electrical wires and cables

CAN/CSA-C22.2 No. 0.17-00 (R2013)
Evaluation of properties of polymeric materials

C22.2 No. 21-14
Cord sets and power supply cords

C22.2 No. 24-15
Temperature-indicating and — Regulating equipment

C22.2 No. 42-10 (R2015)
General use receptacles, attachment plugs, and similar wiring devices

C22.2 No. 43-08 (R2013)
Lampholders

C22.2 No. 49-14
Flexible cords and cables

C22.2 No. 55-15
Special use switches

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