



Extra-low-voltage landscape lighting systems



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***Extra-low-voltage landscape
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Preface

This is the second edition of CSA C22.2 No. 250.7, *Extra-low-voltage landscape lighting systems*. This Standard is one of a series of Standards issued under the *Canadian Electrical Code, Part II*. It supersedes the previous edition published in 2007.

This edition of the Standard updates the scope to cover safety extra-low-voltage (SELV) circuits.

This Standard contains specific requirements for extra-low-voltage landscape lighting systems and is intended to be used together with the requirements for luminaires contained in CSA C22.2 No. 250.0-18, *Luminaires*.

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, 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.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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 user 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 but not yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:*
 - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

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 within 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);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA C22.2 No. 250.7:20

Extra-low-voltage landscape lighting systems

1 Scope

1.1

This Standard applies to extra-low-voltage landscape lighting systems and associated components that are intended for cord-connected, direct plug-in, or permanent connection to a branch circuit of not more than 150 volts-to-ground in accordance with the *Canadian Electrical Code, Part I*.

1.2

This Standard only covers extra-low-voltage landscape lighting systems where the maximum output circuit is 300 VA or 25 A, whichever is less, from each of the secondary safety extra-low-voltage circuits (SELV).

1.3

Extra-low-voltage landscape lighting systems covered by this Standard are intended for gardens, walkways, patio areas, or similar outdoor locations, and for specific indoor locations such as atriums and shopping malls in accordance with the marking on the product.

1.4

This Standard applies to the following associated components:

- a) the isolating-type power supply;
- b) one or more luminaire assemblies of the incandescent, fluorescent, LED, or HID type; and
- c) flexible cable and associated connectors intended for use in the secondary circuit.

1.5

This Standard does not apply to luminaires covered by the following standards:

- a) submersible luminaires covered by CSA C22.2 No. 89;
- b) Christmas tree and other decorative lighting outfits covered by CSA C22.2 No. 37; and
- c) portable luminaires covered by CSA C22.2 No. 250.4.

1.6

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 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.