



CSA C22.2 No. 250.570:16
National Standard of Canada
(reaffirmed 2020)



Track lighting



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Preface

This is the first edition of CSA C22.2 No. 250.570, *Track lighting*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*.

This Standard contains specific requirements for track lighting and is intended to be used together with the requirements for luminaires contained in CSA C22.2 No. 250.0.

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

This Standard is considered suitable for use for conformity assessment within the stated scope of this 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 CSA committee interpretation has not already been published, CSA Group’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 any 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*
 - 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.
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 - 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. 250.570:16

Track lighting

1 Scope

1.1

This Standard applies to wall and ceiling-mounted track lighting systems, rated 347 V, 40 A max, incorporating incandescent, fluorescent, light emitting diodes and high-intensity discharge lighting sources, intended to be installed in non-hazardous, dry locations in accordance with the *Canadian Electrical Code, Part I*.

1.2

This Standard applies to plug- and cord-connected track lighting systems rated 120 V.

1.3

This Standard applies to permanently connected incandescent or LED lighting systems supported in free air, employing bare conductors. The power supply for supplying luminaire head assemblies may have one or more secondary output circuits each of which operates at up to 30 V rms or 42.4 V peak or dc, and less than 240 V•A.

1.4

This Standard applies also to extra-low-voltage suspended ceiling grid systems that operate at 30 V rms or 42.4 V peak, or less, connected to Class 2 power supplies.

1.5

This Standard is intended to be used in conjunction with the applicable clauses of CSA C22.2 No. 250.0 and its subsequent revisions.

1.6

Lighting tracks shall not be connected to a branch circuit protected by overcurrent devices rated or set at more than

- a) 15 A in dwelling units;
- b) 20 A in other than dwelling units, where the input voltage does not exceed 347 V nominal; or
- c) 40 A in other than dwelling units, where the load is from
 - i) luminaires with lampholders of the incandescent mogul base type;
 - ii) high intensity discharge (HID) luminaires, with or without auxiliary lighting systems, where the input voltage does not exceed 120 V nominal;
 - iii) tungsten halogen luminaires with double-ended lampholders, where the input voltage does not exceed 240 V nominal; or
 - iv) luminaires provided with an integral overcurrent device rated at not more than 15 A, where the input voltage does not exceed 120 V nominal.

1.7

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.