

Performance of decorative light strings



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Performance of decorative light strings



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Preface

This is the first edition of CSA C867.2, *Performance of decorative light strings*.

The Energy Star® requirements were developed by Natural Resources Canada (NRCan) and are used with permission.

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

CSA acknowledges that the development of this Standard was made possible, in part, by the financial support of BC Hydro, Manitoba Hydro, Natural Resources Canada (NRCan), the Canadian Electricity Association, the Ontario Ministry of Energy, and the Ontario Power Authority (OPA).

This Standard was prepared by the Subcommittee on Residential Lighting, under the jurisdiction of the Technical Committee on Lighting and the Strategic Steering Committee on Performance, Energy Efficiency, and Renewables, and has been formally approved by the Technical Committee. It will be submitted to the Standards Council of Canada for approval as a National Standard of Canada.

October 2009

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 publication 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 publication.
- (4) CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.
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 - (b) provide an explanation of circumstances surrounding the actual field condition; and
 - (c) be phrased where possible to permit a specific “yes” or “no” answer.

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C867.2-09

Performance of decorative light strings

1 Scope

1.1

This Standard specifies the performance characteristics for decorative light strings in the form of integrated, moulded, and replaceable lamps.

Note: *This Standard also applies to strings used for decorative figures, such as glow ornaments, or similar purposes.*

1.2

This Standard specifies minimum performance requirements for decorative light strings for evaluating

- (a) safety;
- (b) input power;
- (c) over-voltage; and
- (d) lifetime requirements.

1.3

This Standard specifies tests to assess the energy efficiency and quality of decorative light strings.

1.4

This Standard specifies marking requirements for decorative light strings.

1.5

The Standard provides recommendations on grouping or defining product families.

1.6

In CSA Standards, “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. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA (Canadian Standards Association)

C22.2 No. 37-M1989 (R2009)

Christmas tree and other decorative lighting outfits