CSA Group

CSA C881:19
National Standard of Canada

Performance of general service integrated lamps

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Preface

This is the first edition of CSA C881, *Performance of general service integrated lamps*.

The requirements of this Standard are in addition to those specified in *Canadian Electrical Code, Part I*; CSA C22.2 No. 250.13, *Light emitting diode (LED) equipment for lighting applications*; CSA C22.2. No. 84, *Incandescent lamps*; CSA C22.2 No. 1993, *Self-ballasted lamps and lamp adapters*; and CSA C22.2 No.74, *Equipment for use with electric discharge lamps.*

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of Natural Resources Canada, BC Hydro, Manitoba Hydro, Hydro-Québec, the Canadian Electricity Association, the Independent Electricity System Operator, the Nova Scotia Department of Energy, SaskPower, and Efficiency Nova Scotia.

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

This Standard was prepared by the Subcommittee on General Service Integrated Lamps, under the jurisdiction of the Technical Committee on Performance of Lighting Equipment and the Strategic Steering Committee on Performance, Energy Efficiency, and Renewables, 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.

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*
   c) *where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.*

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   c) *wording of the proposed change; and*
   d) *rationale for the change.*

CSA C881:19
Performance of general service integrated lamps

1 Scope

1.1
This Standard specifies test procedures and minimum performance requirements for general service integrated lamps and small diameter directional lamps.

1.2
This Standard includes common testing procedures and performance requirements applicable to all general service integrated lamps, as well as some specific testing procedures and performance requirements applicable to non-solid-state lighting (SSL); or to solid-state lighting (SSL).

1.3
This Standard does not include requirements for luminaires.

1.4
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.

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 Group

C22.1-18
Canadian Electrical Code, Part I

C22.2 No. 250.13-17
Light emitting diode (LED) equipment for lighting applications