



CSA C880:15
National Standard of Canada
(reaffirmed 2019)



Energy performance of stationary electric signs



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Contents

Technical Committee on Performance of Lighting Equipment	3
Subcommittee on Energy Performance of Stationary Electric Signs	6
Preface	8
1 Scope	9
2 Reference publications	10
3 Definitions	11
4 Energy performance requirements	14
4.1 General	14
4.2 Application	14
4.2.1 General	14
4.2.2 Hybrid signs	14
4.3 Option A — Maximum allowed lighting power	14
4.3.1 Internally illuminated signs	14
4.3.2 Externally illuminated signs	14
4.4 Option B — Alternate lighting sources method	15
5 Other requirements	15
6 Testing requirements	16
6.1 General	16
6.2 Characteristics of electric supply to the sign	16
6.2.1 Test voltage and frequency	16
6.2.2 Line-voltage waveshape	16
6.2.3 Stability of supply voltage	16
6.3 Ambient condition for sign measurements	16
6.3.1 Temperature	16
6.3.2 Drafts	16
6.4 Instruments accuracy	16
6.5 HID Ballast efficiency	16
6.6 Fluorescent electronic ballast fundamental output frequency	17
6.7 Transformer or power supply efficiency of neon or cold cathode lamps	17
6.8 Light emitting diode (LED) power supply efficiency	17
6.9 Dimming	17
7 Installation	17
8 Reasoning	18
9 Stabilization	18
10 Testing results	18

10.1	General	18
10.2	Option A — Maximum allowed lighting power method	18
10.3	Option B — Alternate lighting sources method	18

Annex A (informative)	— Guidance on Controls	25
Annex B (informative)	— Background information of CSA C880	26

Preface

This is the first edition of CSA C880, *Energy performance of stationary electric signs*.

The requirements of this Standard are in addition to those specified in CAN/CSA-C22.2 No. 207.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of BC Hydro, the Canadian Electricity Association, Efficiency Nova Scotia, Hydro-Québec, Manitoba Hydro, Natural Resources Canada, the Ontario Ministry of Energy, Ontario Power Authority, and Saskpower.

CSA Group is indebted to the California Energy Commission (CEC) for the use of the *2013 Building energy efficiency standards for residential and nonresidential buildings*, Title 24, Part 6 and associated Administrative regulations in Part 1, in the development of this Standard.

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 Energy Performance of Stationary Electric Signs, 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.

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 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
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 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA C880:15

Energy performance of stationary electric signs

1 Scope

1.1

This Standard specifies requirements and test procedures to determine the performance of stationary electric signs that are hard wired.

Note: Background information on the scope and objective of this Standard is provided in Annex B.

1.2

This Standard applies to stationary electric signs for indoor or outdoor use, in non-hazardous locations, intended for installation in accordance with the *Canadian Electrical Code, Part I* on branch circuits of not more than 347 V between conductors and involving lamp voltages of not more than 7500 V.

1.3

This Standard includes requirements for

- a) internally illuminated signs (cabinet);
- b) unfiltered light emitting diodes (LEDs);
- c) unfiltered cold cathode/neon tubing;
- d) externally illuminated signs;
- e) awnings; and
- f) electronic sign displays with a viewable screen size equal to or more than 75 cm (30 in) diagonal.

1.4

This Standard does not include requirements for

- a) portable indoor and outdoor signs;
- b) unfiltered incandescent lamps used in signs of a historic nature or marquee type or that are not part of an electronic message center (EMC). This exception applies only to portions of a sign that are unfiltered incandescent lamps;

Notes:

- 1) Only the portions of a hybrid sign consisting of unfiltered incandescent lamps are excluded from the sign lighting energy requirements.
 - 2) See definition of "unfiltered sign" in Clause 3.
- c) exit signs;
 - d) traffic signs;
 - e) outline lighting; and
 - f) electronic sign displays with a viewable screen size less than 75 cm (30 in) diagonal.

Note: Electronic sign displays with a viewable screen size less than 75 cm (30 in) diagonal are covered under CSA C383.