



CSA C22.2 No. 250.7:20 National Standard of Canada



Extra-low-voltage landscape lighting systems



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Contents

Technical Committee on Consumer and Commercial Products	5
Integrated Committee on Lighting Products	7
Preface	13
1 Scope	14
2 Reference publications	15
3 Definitions	16
4 General requirements	17
4.2 Application of requirements	17
5 Mechanical construction	18
5.7 Polymeric materials	18
5.11 Means of mounting	19
5.12 Movable joints	19
5.15 Strain relief	19
5.17 Glass support	19
5.18 Thermal insulation	20
5.19 Continuous row mounting	20
5.20 Raceways	20
6 Electrical construction	20
6.2 Wiring devices	20
6.3 Lampholders	20
6.5 Receptacles	20
6.6 Fuses and fuseholders	20
6.8 Capacitors	20
6.9 Conductors and cords	21
6.11 Electrical spacings	21
6.11.1 General	21
6.11.2 Clearance through air and creepage over surface between primary and secondary circuits	23
6.11.3 Clearance through air and creepage over surface — Secondary circuits	27
6.12 Electrical insulation	30
6.14 Grounding and bonding	32
6.101 Power supplies	33
6.101.1 Power supply secondary output(s)	33
6.101.2 Types of power supplies	33
6.101.3 Power supply marking and instructions	33
6.101.4 Multiple-output type power supply	33
6.101.5 Protective devices — Power supplies	34
6.101.6 Thermal integrity	34
6.101.7 Direct plug-in power supplies	34
6.101.8 Secondary connections to power supply unit	34

6.102	Secondary output circuit wiring	35
7	Incandescent luminaires — supplementary requirements	35
7.1	General	35
7.2	Temperature test-exempt luminaires	35
7.101	Xenon lamps	35
7.102	Tungsten-halogen lamps	35
8	Fluorescent luminaires — supplementary requirements	35
8.1	General	35
9	HID luminaires — supplementary requirements	36
9.1	General	36
10	LED Luminaires — supplementary requirements	36
11	Surface-mounted luminaires — supplementary requirements	36
12	Recessed luminaires — supplementary requirements	37
12.1	General	37
12.1.1	Luminaire assemblies — in-ground recessed type	37
12.1.2	Luminaire assemblies — recessed type	37
13	Miscellaneous luminaires — supplementary requirements	37
13.101	Fittings	38
13.101.1	Insulation-piercing terminals	38
13.102	LED lighting products	38
13.103	LED/Laser classification of the light source	38
13.104	Secondary output circuit wiring	39
14	Environmental location luminaires — supplementary requirements	39
14.1	General	39
14.1.1	Power supply	39
14.1.2	Luminaire	39
14.4.5	Gaskets and bushings	40
15	Normal temperature tests	40
15.1	General	40
15.101	Power supplies	41
15.101.1	Landscape lighting systems	41
15.102	Luminaire assemblies	41
16	Abnormal temperature tests	42
16.101	Power supply multi-output overvoltage	42
16.102	Luminaire assemblies abnormal operation	43
16.102.1	General	43
16.102.2	Severe condition	44
16.102.3	Vertical surface	44
16.102.4	Compliance	44

17	Mechanical tests	45
17.1	Barrier strength	45
17.2	Metal thickness equivalency	45
17.3	Five-inch flame	45
17.4	Mold stress relief	45
17.5	Wet locations	45
17.8	High-current arc ignition (HAI)	45
17.9	End-product arc resistance	45
17.10	Polymeric support	45
17.11	Metallized polymeric parts coating adhesion	45
17.12	Flaming oil	45
17.13	Conduit knockout and twistout	45
17.14	Self-threading screw torque	45
17.15	Loading	45
17.16	Snap-in or tab-mounted parts pull test without conduit opening	45
17.17	Snap-in or tab-mounted parts pull test with conduit opening	46
17.18	Suspended-ceiling luminaires — security of clips	46
17.19	Movable joint rotation	46
17.20	Movable joint torsion and pull	46
17.21	Strain relief	46
17.31	Junction box rigidity	46
17.32	Splice inspection	46
17.33	Lampholder mounting torque	46
17.34	Lampholder pull	46
17.35	Lampholder mounting bracket stop test	46
17.101	Cold impact	46
18	Electrical tests	46
18.2	Bonding circuit impedance	46
18.3	Interlock switch endurance	46
18.101	Dielectric voltage-withstand test voltages	47
18.102	Leakage current	48
18.103	Power supplies	48
18.103.1	General	48
18.103.2	Compliance	48
18.103.3	Overload	49
18.103.4	Short-circuit	50
18.103.5	Fault conditions	50
18.103.6	Transformer — Isolated short-circuit	50
18.103.7	Limited short-circuit	50
18.103.8	Input rating	51
18.103.9	Output rating	51
18.103.10	Maximum output	51
18.103.11	Multiple-output power supply overvoltage	51
18.104	Insulation-piercing and insulation-displacement terminal temperature	52
18.105	Current density	54
18.106	Insulation equivalence	54
19	Test procedures and apparatus	55

19.8	Test lamps	55
19.9	Branch circuit conductor temperature probe	55
19.10	Surface ceiling temperature test apparatus	55
19.11	Surface wall temperature test apparatus	55
19.12	Surface-mounted under-cabinet luminaire test alcove	55
19.13	Temperature test boxes for Type Non-IC recessed luminaires (not intended for thermal insulation contact)	55
19.14	Temperature test box for Type Non-IC, marked spacings, recessed ceiling-mounted luminaires (not intended for thermal insulation contact)	55
19.15	Temperature test box for Type IC recessed luminaires (intended for thermal insulation contact)	55
19.16	Thermal insulation used for recessed temperature tests	56
19.19	Bond impedance and ground continuity test apparatus	56
19.27	Lampholder mounting torque test apparatus	56
19.101	Cheesecloth test material	56
19.102	Tissue paper	56
19.103	Current density test	56
19.103.1	Current density test apparatus	56
19.103.2	Current density test probe calibration	56
19.104	Ball-pressure test apparatus	59
19.105	Leakage current test	60
19.106	Insulation-piercing and insulation-displacement terminal temperature	60
20	Marking	62
20.5	Wiring instructions	62
20.101	Additional required markings	62
20.102	Required instructions	63
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Annex B (normative)	— Markings — French translations	65
Annex C (normative)	— Markings — Spanish translations	69
Annex I (Informative)	— Factory production tests	70

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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.

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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.