

## STANDARD INFORMATION

**Standard:** CSA C22.2 No. 250.4

**Standard ID:** Portable Luminaires [CSA C22.2#250.4:2023 Ed.3]

**Previous Standard ID: Portable:** Portable Luminaires [CSA C22.2#250.4:2020 Ed.2]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **December 1, 2025**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

### Overview of Changes:

- Revisions to the requirements for luminaires powered by rechargeable batteries
- Updates in accordance with CSA C22.2 No. 250.0:21
- Additional requirements for LED luminaires
- Revision to the requirements for clamp-on luminaires
- Revision to the load test requirements for handlamps and external ring hangers

Specific details of new/updated requirements are found in table below

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
1	Info	<b>Scope</b>
1.2		This Standard applies to portable, incandescent, fluorescent, HID, LED, and other lighting technology luminaires for illuminative or decorative purposes and combinations of these, such as  z) <del>rechargeable hand lamps;</del> ac) <u>battery-operated luminaires intended to operate unattended while disconnected from an external power source.</u>
1.3		This Standard does not apply to luminaires covered by other applicable standards, such as  j) <u>flashlights and lanterns; and</u> k) <u>horticultural lighting equipment and systems.</u>
5	Info	<b>Mechanical construction</b>
5.10	Info	<b>Mechanical joints and fastenings</b>
5.10.14		<i><b>New clause added;</b></i>  Clause 5.10.14 of CSA C22.2 No. 250.0 shall be applicable to chain-and-hook-supported (swag type) luminaires only.
5.11	Info	<b>Means of mounting</b>
5.11.103		An external ring hanger shall be formed of metal or plastic and shall be subjected to the loading test of Clause 17.15 of CSA C22.2 No. 250.0 <u>with a load of three times the weight to be supported.</u>
10	Info	<b>LED luminaires — Supplementary requirements</b>
10.101		<i><b>New clause added;</b></i>  LED assemblies and controlgear shall comply with applicable requirements of the following standards:  a) CSA C22.2 No. 61347-2-13 and CSA C22.2 No. 62031; or b) CSA C22.2 No. 250.13.
10.102		<i><b>New clause added;</b></i>  LED light sources that generate coherent light shall be verified in accordance with CAN/CSA-C22.2 No. 62471 to be within the Risk Group 0.



CLAUSE	VERDICT	COMMENT
		<b><i>New clause added;</i></b>
10.103		A luminaire using lasers that generate coherent light shall be verified in accordance with CAN/CSA-E60825-1 to be within the classification of Class 1 laser products.
13	Info	<b>Miscellaneous luminaires — Supplementary requirements</b>
13.3	Info	<b>Clamp-on luminaires</b>
13.3.4		<del>A clamp type luminaire provided with adjustable mounting means</del> <u>In accordance with assembly instructions, a clamp that will support a luminaire on a vertical surface</u> , such as a spring clamp, threaded clamp, magnetic type, or similar type, shall comply with the mounting security test of Clause 17.110.
13.4	Info	<b>Extension handlamps</b>
13.4.4		<b>Mounting</b>
13.4.4.1		A hook or the equivalent provided as part of the lamp guard for temporary support of the extension handlamp shall comply with the loading test of Clause 17.15 of CSA C22.2 No. 250.0 <u>with a load of three times the weight to be supported.</u>
13.5	Info	<b>Portable luminaire kits and hobby-type lamps</b>
		The lamp kit shall be provided with the following labels and instructions regarding their application:
13.5.8		a) the lamp replacement marking in accordance with Item 3.1 of Table 20.1.1 of CSA C22.2 No. 250.0; and b) the polarized plug marking in accordance with <del>Item 7 of Table 20.101.1</del> <u>4.5 of Table 20.1.1 of CSA C22.2 No. 250.0.</u>
		<b><i>New section added;</i></b>
		<b>Luminaires with batteries</b>
13.6		The requirements in Clause 13.6 are supplementary to other applicable requirements in this Standard and apply to luminaires provided with non-rechargeable and rechargeable batteries.  See standard for details.
		<b><i>New section added;</i></b>
		<b>Battery-operated portable luminaires</b>
13.7		Clause 13.7 applies to luminaires that are not required to be connected to a power source during normal use but requires a non-integral power supply to charge batteries. This includes luminaires that are attached to clothing or to an apparatus, worn on the body, able to be held by one or two hands, or is freestanding.  See standard for details.



CLAUSE	VERDICT	COMMENT
13.8	Info	<b>Work lights</b>
13.8.1		A work light shall comply with the applicable requirements of this Standard unless amended or supplemented by Clause 13.8. <u>A work light, including a non-rechargeable or rechargeable battery, shall comply with CSA C22.2 No. 250.5.</u>
15	Info	<b>Normal temperature tests</b>
15.108		<b><i>New section added;</i></b> <b>Normal temperature test for luminaires with rechargeable batteries</b>
15.108.1		The normal temperature test shall be conducted while the luminaire is operated through two cycles of charging and discharging. During the discharge cycle, the luminaire shall be operated while disconnected from any power source until the light source is no longer illuminated. The luminaire shall then be connected to the intended source of supply and allowed to charge until the maximum nominal battery voltage is reached and a minimum of 7 h has elapsed.
15.108.2		The surface temperature of the battery shall not exceed the battery manufacturer's specification or the maximum temperature of any materials in contact with the battery.
17	Info	<b>Mechanical tests</b>
17.111		<b><i>New section added;</i></b> <b>Drop test for battery-operated portable luminaires</b>  Three complete samples of a battery-operated portable luminaire, including accessories, shall be subjected to the test of Clause 17.111.2, in an unpowered state.  See standard for details.
17.112		<b><i>New section added;</i></b> <b>Exclusion of water test for battery-operated portable luminaires</b>  The same samples used for the test of Clause 17.111 shall be subjected to the test of Clause 14.2.4, 14.2.7, or 14.2.8 of CAN/CSA-C22.2 No. 60529, in accordance with the intended marking of Clause 13.7.4.2 of this Standard.  See standard for details.



CLAUSE	VERDICT	COMMENT
18	Info	<b>Electrical tests</b>  <i>New section added;</i>  <b>Tests for rechargeable batteries</b>
18.103		The luminaire with batteries shall be allowed to fully discharge while disconnected from any supply source. The luminaire shall then be connected to the maximum rated supply source provided by the manufacturer and the charging current through the batteries shall be monitored.  See standard for details.
		<i>New section added;</i>  <b>Battery power source test</b>
18.105		The output of the battery circuit shall be connected to a variable resistance load. The variable resistance shall be adjusted from open to short circuit until a maximum allowable current, as specified in:  See standard for details.
20	Info	<b>Marking</b>
20.2	Info	<b>Identification and ratings</b>
20.2.2		The following luminaire types shall be marked with a catalogue number, model number, series number, or other similar designation in accordance with Item 4.2 of Table 20.1.1 of CSA C22.2 No. 250.0:  <del>v) rechargeable hand lamps;</del> v) <u>luminaires with rechargeable batteries;</u>