

STANDARD INFORMATION

Amendment 1: See addition of clauses 10.5 and 10.7 which were inadvertently missed in table below.

If the project requires a sample for evaluation and/or testing, then this SUN applies.

Standard: UL 1598 / CSA C22.2#250.0

Standard ID:

Luminaires [UL 1598:2021 Ed.5]

Luminaires [CSA C22.2#250.0:2021 Ed.5]

Previous Standard ID:

Luminaires [UL 1598:2018 Ed.4]

Luminaires [CSA C22.2#250.0:2018 Ed.4]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: If a change is made to the product after October 30, 2021 then the product must be evaluated to the 5th edition of UL 1598 / CSA C22.2#250.0.

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: No action is required for currently certified products. If modifications to the product after the effective date require an evaluation and/or testing, then the product must undergo re-evaluation to the new requirements.

Overview of Changes:

- New requirements for printed wiring board traces
- New requirements for interconnected units
- Addition of requirements for class P LED drivers
- Addition of requirements for surface mounted luminaires containing Detachable Cord Sets
- Revised requirements for clothes closet storage spaces for Canada
- Addition of requirements for receptacles used on damp or wet luminaires
- Addition of production line test for accessible edges
- New requirements for light-emitting plasma (LEP) luminaires

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>
6	Info	Electrical construction
6.15	Info	Grounding and bonding
6.15.3	Info	Bonding
6.15.3.6		The bonding conductor shall not be smaller than the gauge of wire used for the luminaire supply conductors and in no case less than 18 AWG. <u>Alternatively, printed wiring board traces and soldered connections may serve as a bonding conductor path if it complies with Clause 18.7.</u>
		<i>New section added;</i>
6.20		Interconnected units Luminaires intended to provide or receive power from another luminaire by a mating connector assembly shall comply with this section. See standard for details.
9	Info	HID luminaires – supplementary requirements <i>New section added;</i>
9.6		Class P LED drivers These requirements apply to luminaires having Class P drivers. See standard for details.
10	info	LED luminaires – supplementary requirements <i>New section added;</i>
10.5		Class P LED Drivers These requirements apply to LED luminaires having Class P LED drivers. See standard for details.
		(CAN) Branch circuit disconnects
10.7		(CAN) In Canada, each LED luminaire utilizing double-ended lamps provided with LED drivers intended for installation on branch circuits with voltages exceeding 150 volts to ground, including multi-voltage drivers such as 120-277 V, shall be provided with one or more installed disconnect means. See standard for details.



CLAUSE	VERDICT	COMMENT
11	Info	Surface-mounted luminaires – supplementary requirements
11.6	Info	Electrical construction
		<i>New clause added;</i>
		A surface-mounted luminaire that is permitted to have a flexible cord may be provided with a detachable cord set and inlet when:
11.6.9		<ul style="list-style-type: none"> a) The cord set is packaged with or identified for use with the luminaire; b) The cord set is at least of the hard-usage type; c) The inlet is factory-wired, located on the luminaire’s outer surface and accessible to an end-user from the room side; d) Both the cord set and inlet are suitable for the electrical and environmental ratings of the luminaire; e) Both the cord set and inlet are polarized or keyed to prevent electrical polarity reversal or unintentional mis-wiring during installation, use or maintenance; f) The inlet is suitable for connection and disconnection under load. Alternatively, for non-IEC and non-NEMA configurations, the inlet need not be suitable for connection and disconnection under load provided the marking in Table 20.1.1, Item 4.9 is located adjacent to the inlet; and g) For inlets with a grounding contact (pin), the grounding contact engages before the supply contacts during cord insertion, and the supply contacts disconnect before the grounding contact during cord disconnection.
13	Info	Miscellaneous luminaires – supplementary requirements
13.7	Info	(CAN) Clothes closet luminaires
13.7.1	Info	(CAN) General
13.7.1.1		<p>(CAN) In Canada, a clothes closet luminaire is a type of luminaire intended to be installed on a ceiling or wall surface in accordance with ANSI/NFPA 70 (in the United States) and the Canadian Electrical Code, Part I (in Canada).</p> <p><u>(CAN) In Canada, the requirements of Clause 13.7 (CAN) apply to clothes closet luminaires having the shape and arrangement shown in Figure 13.7.2.1 (CAN) that are intended to be installed on a ceiling or wall surface in accordance with the Canadian Electrical Code, Part I.</u></p>
14	Info	Environmental location luminaires – supplementary requirements
14.2	Info	Damp and wet location luminaires
14.2.1	Info	General
		<i>New clause added;</i>
14.2.1.3		In the United States, all 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be of the weather-resistant (“WR”) type in accordance with the Standard for Attachment Plugs and Receptacles, UL 498.
		Note: This applies to NEMA 5-15, 5-20, 6-15 and 6-20 receptacle configurations.



CLAUSE	VERDICT	COMMENT
Annex I	Info	Factory production tests <i>New section added;</i>
1.7		Accessible edges An enclosure, frame, or similar device shall not have accessible edges that are sharp or pointed such that they constitute a risk of injury to persons during normal installation, maintenance, and use. See standard for details.
		<i>New Annex added;</i>
Annex J		Light-emitting Plasma (LEP) Luminaires These requirements apply to luminaires having a light-emitting plasma (LEP) light source using microwave technology to deliver power to an electrode-free plasma lamp. The light source within these luminaires are powered by a RF generator operating within the Industrial, Scientific and Medical (ISM) microwave bands of 915 ±25 and 2450 ±50 MHz. See standard for details.