

Standard Information

Standard Number: UL 1786 / CSA C22.2 No. 256 (bi-national standard)

Standard Name: Direct Plug-In Nightlights

Standard Edition: 4th / 2nd Edition Issued December 17, 2014

And

Standard Edition: 3rd / 1st Edition Revised August 20, 2012

Date of Previous Revisions to Standard: March 21, 2011

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): August 21, 2017

Impact, Overview, Fees and Action Required

Note: This SUN contains the standard revisions for the current edition and the previous edition of the standard.

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes (Specific details for paragraphs are found in table below):

- New and Revised requirements for direct plug-in nightlights with child-appealing qualities
- Requirements for isolated output LED drivers
- Requirements for nightlights with vessels containing liquid
- Revised component breakdown requirements
- Requirements for devices that rotate to permit adjustable positioning after insertion into an outlet receptacle

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Schedule: So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- December 16, 2016 = 8 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- February 21, 2017 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- **August 21, 2017** = Effective Date – ATM Suspended for all non-compliant Reports

Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Standards Update Notice (SUN)

Issued: August 1, 2016

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
The revision dated August 20, 2012 was revised to incorporate the following:		
		New & Revised Requirements Addressing Child-Appealing Features
6.2.1	info	New Definition of Child-Appealing Feature. A feature that provides visual appeal and attraction to children in form of shape, decoration, bright, colors, or unusual illuminations.
7.1.11		New requirement – Removable parts of nightlight with child-appealing features not to be risk of injury from sharp edge. Test per Section 10.7
7.1.12		<p>New requirement – Quoted:</p> <p>“In the United States, an accessible liquid coating material (such as paint, enamel, lacquer, ink, and the like) applied to direct plug-in nightlights with child-appealing features shall not contain compounds of lead, antimony, arsenic, barium, cadmium, chromium, mercury, or selenium exceeding amounts specified in ASTM F963. A liquid coating material is considered to be accessible if it can be contacted by persons before or after compliance with the performance requirements described in the Mold Stress-Relief Distortion Test, Clause 10.4, and the Enclosure Impact Test, Clause 10.7.</p> <p>Note 1: In Canada, various requirements in jurisdictions such as federal, provincial, or municipal may apply.</p> <p>Note 2: The requirements for a liquid coating material do not apply to ink applied to a packing material.”</p> <p>Note: - Coating materials used on nightlights with child-appealing properties, as defined, shall not contain compounds of lead, antimony, arsenic, barium, cadmium, chromium, mercury, or selenium exceeding amounts specified in Standard Consumer Safety Specification for Toy Safety, ASTM F963.</p> <p>If nightlight contains these coating materials, manufacturer will need to provide COA (Certificate of Compliance) stating compliance with requirements of above standard. If COA is not provided, a separate project will be initiated to conduct the necessary testing.</p>
10.7.4		New – Enclosure Impact Test for plug-in nightlights with removable parts child-appealing features.

Standards Update Notice (SUN)

Issued: August 1, 2016

Clause	Verdict	Comment
The revision dated December 17, 2014 was issued to incorporate the following:		
1.3 (d)		Revised the Scope to exclude direct plug in devices utilizing plasma light.
3	Info	Components
3.5		<p><i>New clause added;</i></p> <p>In Canada, a driver or part thereof providing an isolated output to an LED light source shall comply with applicable requirements of the Standard for Light Emitting Diode (LED) Equipment for Lighting Applications, CAN/CSA-C22.2 No. 250.13.</p> <p>In the United States, a driver or part thereof providing an isolated output to an LED light source shall comply with applicable requirements of the Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, UL 8750.</p>
7.7	Info	Plug face dimensions
7.7.4, 11.11, and 11.12		<p><i>New clauses added;</i></p> <p>Added testing to determine suitability of the mechanism and contacts of devices that rotate to permit adjustable positioning after insertion into a receptacle.</p>
7.8	Info	Polarization and identification
7.8.1		<p><i>Deletions are shown lined out below.</i></p> <p>A device provided with a relampable candelabra screwshell lampholder or switch shall be polarized. The plug blades shall comply with the dimensions of either Figure 2 or 3. The lampholder screw-shell shall be connected to the grounded supply conductor (such as the wide blade of the attachment plug).</p>
7.8.2		<p><i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i></p> <p>When a switch is provided, it shall interrupt the electrical connection to the center contact of the lampholder.</p> <p><u>A device that includes live parts that may become accessible during normal operation or user maintenance and is provided with a switch shall be polarized. The plug blades shall comply with the dimensions of either Figure 2 or 3, and the switch shall interrupt the ungrounded supply conductor (the narrow blade of the attachment plug).</u></p>
7.20		<p><i>New sections added;</i></p> <p>Ballast construction requirements to correlate with CSA Standard C22.2 No. 74 in Canada and UL 935 in the United States.</p>
7.21, and 11.10		<p><i>New section added;</i></p> <p>Construction and test requirements for nightlights with vessels containing liquid.</p>



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Clause	Verdict	Comment
11.5	Info	Component breakdown test
11.5.1		<i>Additions to existing requirements are <u>underlined</u> below.</i> A device incorporating components such as an electrolytic capacitor, a diode, <u>a photocell</u> , or other solid-state parts shall be subjected to the component breakdown test described in Clause 11.5.2.
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.