

STANDARD INFORMATION

Standard: UL 1576

Standard ID: Flashlights and Lanterns [UL 1576:2018 Ed.1+R04Nov2020]

Previous Standard ID: Flashlights and Lanterns [UL 1576:2018 Ed.1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **November 4, 2022**

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.

Overview of Changes: Revisions to the requirements with Ultraviolet (UV) Radiation Sources. Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
18	Info	Radiation
18.6		For sources other than those specified in 18.5, the product shall be evaluated by the methods specified in IEC 62471 and the markings used on the product shall be determined with consideration of the guidance information in Labelling, Section 5.4 of IRC/TR 6247102. <u>in accordance with Section 18A.</u>
18A		<i>New section added;</i> Photobiological Safety Assessment
18A.1		An ultraviolet (UV) radiation source shall not pose a risk of optical injury to persons due to exposure necessary for the normal operation, maintenance and servicing of the equipment.
18A.2		In order to determine compliance, a UV radiation source shall be subjected to a photobiological safety assessment across the wavelength range from 200 nm through 400 nm in accordance with the requirements in IEC 62471. The assessment is to determine the level of optical radiation emitted, if any, within the spectral band. The measurement distance from the radiation source to the measuring instrument shall be set at 20 cm (7.9 in) as recommended in IEC 62471 for a non-GLS (general lighting services) light source for ultraviolet hazard from the spectral band 200 nm to 400 nm.
18A.3		The assigned IEC 62471 risk group classification for the product resulting from the photobiological safety assessment shall not be greater than “Exempt Group” as specified in IEC 62471. Note: “Exempt Group” is considered to be an optical source that does not pose any photobiological hazard.