STANDARDS UPDATE NOTICE (SUN)
ISSUED: January 13, 2025

STANDARD INFORMATION

Standard: UL 8750
Standard ID: Standard for Safety Light Emitting Diode (LED) Equipment for Use in Lighting Products [UL 8750:2015 Ed.2+R:02Jul2024]
Previous Standard ID: Standard for Safety Light Emitting Diode (LED) Equipment for Use in Lighting Products [UL 8750:2015 Ed.2+R:07Dec2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **July 2, 2026**

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 Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes:

- Requirements for Polymeric Enclosures Intended for Conduit Connection
- Risk of Electric Shock and Risk of Fire
- Field-wiring Compartment Volume
- Requirements for Special Use LED Arrays
- Requirements for LED Driver Input Power Factor

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
6	Info	**Mechanical Construction**
6.3A	Info	**Enclosures intended for conduit connection**
6.3A.0		***New clause added;*** The enclosure may be constructed of metal parts or polymeric materials. See 6.2 for metallic enclosures requirements, and 6.3 for polymeric enclosures where requirements for fixed units apply.
6.3B		***New section added;*** **Wiring compartment and junction box volume for branch circuit conductors** The minimum volume of a field wiring compartment or junction box for branch circuit connections shall be determined as follows: See standard for details.
8	Info	**Performance Tests**
8.8A		***New section added;*** **Circuit voltage limit measurement test** This test shall be used to determine if the circuit voltage exceeds limits specified in Table 3.1. See standard for details.
8.9	Info	**Leakage current measurement test**
8.9.6.1		***New clause added;*** When this test is utilized to determine a risk of electric shock per 3.24; a) The limits specified in 8.9.1 apply. Since the outcome will determine risk of electric shock, reliability of the circuit shall be evaluated in accordance with Supplement SA, Requirements for Safety-Related Electronic Circuits, see 8.8A.4; and b) The measurement instrument in Figure 8.6 is utilized where; 1) The two conductive parts of the circuit under test are connected across V1, and V3 is measured, and 2) Each conductive part of the circuit under test and earth ground are connected across V1, and V3 is measured.

CLAUSE	VERDICT	COMMENT
8.24		***New section added;*** **Polymeric enclosures intended for conduit connection using rigid metallic conduit system** A polymeric enclosure intended for connection to a rigid metallic conduit system shall not pull apart or sustain damage such as cracking and breaking as a result of the pullout, torque, and bending procedures described in 8.24.2 – 8.24.4. If knockouts are incorporated in the enclosure, they shall remain in place as a result of the procedure described in Tests on Knockouts, 8.17. See standard for details.
9	Info	**Markings**
9.3	Info	**Construction-related markings**
9.3.4A		***New clause added;*** A polymeric enclosure for connection to a rigid metallic conduit system shall be marked 'Suitable for connection to a rigid metallic conduit system' or equivalent.
Supplement SJ		**SPECIAL USE LED ARRAYS**
SJ1	Info	**Scope**
SJ1.1		These requirements apply to LED arrays with spectral power distribution characteristics outside of the visible light spectrum (400 – 700 nm). Special use LED arrays may also include LED packages that produce visible light. Evaluation per this supplement is based on manufacturer request. Typical applications include: a) Horticultural – Designed to emit targeted or broad-spectrum electromagnetic energy (light) intended to promote plant growth. b) Germicidal – Designed to emit electromagnetic energy (light) at wavelengths outside of the 400 – 700 nm range and with intensities intended to kill microorganisms or produce ozone, typically for the purposes of surface sterilization or water purification. c) UV – Designed to emit electromagnetic energy (light) within the 200 – 400 nm range.
SJ1.4		***New clause added;*** Integration of LED arrays into end-products will require additional consideration to assure compliance with end-product standards. For example, the Standard for Horticultural Lighting Equipment and Systems, UL 8800, does not permit a special use LED array classified as Risk Group 3.

CLAUSE	VERDICT	COMMENT
Supplement SL		***New supplement added;*** **REQUIREMENTS FOR LED DRIVER INPUT POWER FACTOR** This Supplement has requirements for LED drivers operating from branch circuit AC supplies with input power factor markings. Evaluation per this supplement is based on manufacturer request. See standard for details.
Appendix B	Info	
B2		***New section added;*** **Voltage Measurement Equipment – 8.8A**
B2.1		The input impedance of voltage measurement equipment (voltmeter, oscilloscope) is to be a minimum of one megohms.
B2.2		When an oscilloscope is utilized, the test equipment should have the following characteristics; a) A minimum bandwidth of 100 MHz, b) A sample rate of 1 MS/ s (mega samples per second), c) Test probes shall have a minimum impedance of one megohms, and d) RMS measurements (calculations) shall be taken over a minimum 500 ms window.