

STANDARD INFORMATION

Standard: UL 1838

Standard ID: Low Voltage Landscape Lighting Systems [UL 1838:2003 Ed.3+R:11Jul2023]

Previous Standard ID: Low Voltage Landscape Lighting Systems [UL 1838:2003 Ed.3+R:30Oct2020]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **October 1, 2024**

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 Reports not updated to this version by the effective date above will be withdrawn.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: Insulation Piercing Terminal Temperature Test. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 lined-out below.</i> |
| 53 | Info | Output Circuit Wiring and Connections |
| 53.4 | Info | Unit low voltage cable |
| 53.4.4 | | Connectors with insulation-piercing terminals shall comply with the Insulation-Piercing Terminal Temperature Test, Section 55. Exception: Connectors for use only on cables supplied by a Class 2 power unit are not required to comply with this test. |
| 55 | Info | Insulation-Piercing Terminal Temperature Test |
| 55.5 | | The same six connectors are to be cycled for a total of 180 cycles at a rate of 3-1/2 hours on and 1/2 hour off. The temperatures of the insulation piercing terminal connections are to be monitored continuously throughout the 180 cycle period. After the last cycle, the connectors are to be energized for a period of seven hours, after which temperatures are again to be measured. The off cycle time is able to be extended for the convenience of measurement. <u>Exception: Connectors in class 2 circuits are subject to only 30 cycles prior to the 7 hour operational period.</u> |