



UL 1993

**Underwriters Laboratories Inc.**  
**Standard for Safety**

Self-Ballasted Lamps and  
Lamp Adapters





UL Standard for Safety for Self-Ballasted Lamps and Lamp Adapters, UL 1993

Third Edition, Dated August 28, 2009

### **Summary of Topics**

***This new edition of ANSI/UL 1993, the harmonized ANCE, CSA, and UL Standard for Self-Ballasted Lamps and Lamp Adapters, includes the following major changes:***

***a) Expansion of the scope to include range of products intended to be covered by the standard; b) Added list of reference publications; c) Added and revised glossary definitions; d) Added new section containing general requirements covering basic assumptions and conventions; e) Relocated requirements for enclosures; f) Revised and relocated requirements covering polymeric materials including a change in the flammability requirement from V-1 to V-0; g) Revised and relocated requirements covering weight, size, and moment; h) Expanded requirements covering lamp bases and lampholders; i) Changes in requirements for printed circuit boards; j) Added requirements covering LED driver circuitry; k) Relocated requirements for power capacitors; l) Added requirements for lamp tests for fluorescent lamp light sources; m) Revised requirements for spacing of electrical parts; n) Added new requirements for accessibility of live parts; o) Added requirements for limits for LED light sources; p) Added requirements for non-discharge lamps; q) Revised requirements for environmental locations; r) Revised and relocated performance test requirements; s) Added temperature test requirements for devices with input rating greater than 50 W; t) Revised and relocated requirements for mold-stress relief conditioning; u) Added requirements for a deflection test; v) Revised humidity conditioning requirements; w) Added requirements for lamp fault conditions test; x) Added requirements for end-of-lamp-life test for fluorescent lamp adapters; y) Added requirements for end-of-lamp-life test for integrally self-ballasted fluorescent lamps; z) Added new section for test apparatus; aa) Revised marking section in order to provide clarification of requirements; ab) Miscellaneous editorial revisions such as relocating requirements throughout the standard, correcting references, and editorial clarifications***

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 8, 2008, December 19, 2008, and April 17, 2009.

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