

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

October 26, 2016

Dear ENERGY STAR® Partner or other Interested Stakeholder:

With this letter, the U.S. Environmental Protection Agency (EPA) is clarifying requirements for elevated temperature life testing for LED lamps under the Version 2.0 ENERGY STAR® Lamps Specification.

EPA's expectation is for lumen maintenance testing to be performed at the applicable temperatures by lamp type and wattage according to section 10.1 Supplemental Testing Guidance, and that manufacturers using the federal test method for LED lamps (U.S. Department of Energy (DOE) Conservation Test Procedure for Integrated Light-Emitting Diode Lamps) will seek a test procedure waiver from DOE. This application for a waiver should be submitted in accordance with the DOE regulations, documenting that test samples were operated at temperatures more stringent than those outlined in the federal register, until such a time when DOE considers a regulatory change.

It remains a high priority to EPA and our stakeholders that all lamps earning the ENERGY STAR be tested according to the environments they are intended to operate in. For example, a lamp that is marketed for all purpose use should be able to operate and deliver on performance in any application, such as a common recessed can or enclosed ceiling light. As such, the ENERGY STAR requirements call for long term testing in a temperature controlled condition that simulates this "typical" or "worst case" use. Only products specifically labeled "Not for use in recessed cans and enclosed fixtures" get tested and operated at room temperature. All regular measurements for key metrics are still carried out at room temperature (as defined in the applicable method of measurement), the only difference is in the long term operation of the sample over the course of the determined lumen maintenance/life test period.

A footnote will be added to relevant text in the Version 2.0 Lamp Specification consistent with this clarification. If you have questions or concerns, please feel free to contact me at (202) 343-9042 or Jantz-Sell.Taylor@epa.gov or Daniel Rogers, ICF, at (908) 233-0554 or Lighting@energystar.gov.

Thank you for your continued support of ENERGY STAR.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Jantz-Sell".

Taylor Jantz-Sell
ENERGY STAR Lighting Program Manager
U.S. Environmental Protection Agency