

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



**OFFICE OF
AIR AND RADIATION**

March 15, 2018

Dear ENERGY STAR® Lighting Stakeholders:

The Environmental Protection Agency (EPA) has finalized minor adjustments to the ENERGY STAR Luminaires specification, reflected in a Version 2.1 (V2.1). **Current certifications will not be affected by these changes.** Comments received in response to the proposed adjustments were minimal. In response, EPA incorporated the following modifications:

- Clarified in Section 6.1 that testing required to document the additional test data required for product family variations shall be performed by an EPA-recognized laboratory and that any further data required to support a partner's engineering rationale for the worst-case variant does not.
- Consolidated requirements in Section 8 for enclosed and recessed luminaires shipping with lamps.
- Added C78.377-2017 as an alternate reference for solid state correlated color temperature.
- Restored section 11.6 (Operating Frequency) and added section 11.7 (Flicker) to distinguish between these requirements. Measurement points were established based on comments received.

EPA received requests to align flicker requirements with those outlined in California Energy Commission's (CEC) JA10. However, the extent of changes with this type of dot revision are limited. In the interest of alignment, EPA carried over the waveform digitizer requirements from Lamps V2.1 which allows a single measurement to fulfill flicker reporting requirements for ENERGY STAR and for the CEC. Partners are encouraged to report flicker performance as soon as possible but are required to do so for new luminaire certifications as of September 1, 2018.

Finally, EPA clarified in Section 13.1 that adjustments to maximum recommended ballast/driver case temperature requested after a verification testing (VT) failure will not be accepted. EPA recognizes that partners modify products. Partners may update product certification at any time prior to VT to document changes, including to maximum recommended ballast or driver case temperature. However, revising the maximum recommended ballast or driver case temperature value in response to increased temperatures observed during verification testing is inconsistent with the purpose of certification and verification.

EPA welcomes individual inquiries; please contact me with questions, comments or concerns at (202) 343-9042 or jantz-sell.taylor@epa.gov or lighting@energystar.gov. Thank you for your 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