

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



OFFICE OF
AIR AND RADIATION

June 24, 2011

Dear ENERGY STAR[®] Lighting Partner, EPA-Recognized Certification Body or Laboratory, Stakeholder or Other Interested Party:

The purpose of this letter is to share draft guidance from the U.S. Environmental Protection Agency (EPA) regarding the content and treatment of lumen maintenance performance data for LED packages, LED arrays and LED modules intended for use in ENERGY STAR qualified solid state lamps and luminaires (“products”). EPA expects to finalize this guidance by the end of July. The attached document relates to subcomponent-level performance data and addresses topics not explicitly covered in ENERGY STAR lighting specifications because of the quickly evolving nature of solid state lighting technology. In particular, it addresses technical topics including: the content of IES LM-80 test reports, case temperature measurements, sample set correlated color temperatures, successor (next generation) devices, and LED array testing.

Prompted by the consolidation of separate ENERGY STAR lighting specifications into the recently completed ENERGY STAR Luminaire V1.0 specification, this guidance builds upon related content in the Manufacturer’s Guide for Qualifying Solid State Lighting Luminaires, developed to support the SSL Luminaire specification. The Agency has developed this guidance in consultation with LED package and array manufacturers to ensure it is informed by the latest technological developments in solid state lighting subcomponents. The objective of the attached document is to facilitate robust testing which builds upon industry best practices and helps maintain confidence in ENERGY STAR qualified lighting products, while not unnecessarily burdening suppliers to our manufacturing partners.

Once final, EPA intends for this guidance to be effective immediately. We recognize that certain accommodations may be warranted for testing that is already under way, and we encourage manufacturers to bring such circumstances to our attention. Please direct questions or concerns to my attention at (202) 343-9272, or email me at baker.alex@epa.gov by Friday, July 15, 2011.

Thank you for your contributions to EPA’s ongoing efforts to ensure the value and integrity of ENERGY STAR qualified solid state lighting products.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Baker".

Alex Baker
ENERGY STAR Lighting Program Manager
U.S. Environmental Protection Agency