

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



OFFICE OF  
AIR AND RADIATION

May 29, 2015

Dear ENERGY STAR Lighting Partner, Stakeholder or Other Interested Party:

With this letter, the U.S. Environmental Protection Agency (EPA) announces the release of the final ENERGY STAR Luminaires V2.0 specification. Luminaires V2.0 will replace V1.2 on June 1, 2016.

EPA would like to thank partners and stakeholders for their thoughtful participation in this specification development process. The data and input shared have been invaluable in forming the final outcome. The Luminaires V2.0 specification reflects the goals of the revision with simplified requirements, expanded flexibility for certifying products, and balanced new criteria for a wide variety of high quality, energy efficient, ENERGY STAR certified luminaires. This specification raises the bar for efficacy and performance, reduces testing burden while maintaining performance integrity, and establishes the first set of testing and baseline requirements for color tunable and connected luminaires.

Comments received in response to the final draft specification raised a limited number of new issues, and were mostly editorial, changes are discussed below. All materials related to EPA's development of the specification including a document outlining considerations for recertification of products can be found at [www.energystar.gov/luminaires](http://www.energystar.gov/luminaires).

### **Effective Date**

Due to the longer production and testing time frames associated with some products, EPA has allowed twelve months for transition to the new specification. Based on the number of products that can currently meet the new requirements, EPA anticipates that this timeframe is sufficient to allow for a good selection of certified products for consumers to choose from when the specification goes into effect. EPA recognizes that manufacturers may have an interest in redesigning products in order to meet the new requirements, which may require additional time, and these can be added to the program as they become available and certified.

### **Changes and Updates**

The following additional changes are reflected in the final specification document as a result of stakeholder feedback and follow up discussions on the final draft:

- The definition of LED Light Engine has been updated to allow for the use of a GU24 base as an electrical connection to continue to support the use of unique products specially made for ENERGY STAR luminaires.

- Retrofit kits were added as an exemption from meeting the driver/ballast replaceability requirements as these products already serve the purpose of providing a removable light source from an existing luminaire.
- EPA has clarified the program intent that LED lamps intended to replace linear fluorescent, pin-based compact fluorescent or high-intensity discharge lamps are not covered under this specification.
- Several references were updated to reflect the most up to date versions and minor editorial changes were made.

In recognizing the new opportunity to certify screw-based luminaires shipped with ENERGY STAR certified lamps, EPA stresses the importance of partners documenting which bulb manufacturing sources are associated with specific luminaires. Although EPA does not require that units be marked, listed, or labeled in a particular way, it is in the partner's interest to be able to distinguish which luminaire units have shipped with a particular light source in the event of a bulb failure. For example, marking luminaire packaging is an effective way to distinguish units.

Going forward, EPA will continue to follow the development of new industry standards and other relevant trends. One key priority is to continue to explore opportunities that could allow for even more energy reduction in the future, such as increasing efficacy levels and further examination of connected lighting. Stakeholders are encouraged to remain engaged.

#### **Transition Timeline and Next Steps:**

EPA shares its partners' desire for a smooth transition from one ENERGY STAR specification version to the next, such that consumer expectations are satisfied in terms of ENERGY STAR labeled products meeting the latest requirements upon their effective date. With this in mind, EPA has established the following timeline:

- Effective immediately, manufacturers may elect to have their Certification Body (CB) certify their eligible products to the Luminaires Version 2.0 requirements.
- On **Friday, June 5, 2015 at 2:00 PM Eastern**, EPA will host a webinar, providing an overview of the major changes from Luminaires V1.2 to V2.0. Register at [www.energystar.gov/luminaires](http://www.energystar.gov/luminaires).
- After December 1, 2015, CBs will be instructed to stop certifying new product submittals to V1.2. Note, however, that models already certified to V1.0-V1.2 will maintain their certification status until June 1, 2016.
- Any luminaire manufactured as of June 1, 2016 must be certified to V2.0 to bear the ENERGY STAR mark. All certifications of products to the old specifications will be invalid for purposes of ENERGY STAR certification, and CBs will only submit to EPA product models certified to Version 2.0.

Upon satisfactory completion of all certification requirements, a CB will notify the partner that the product is ENERGY STAR certified and will submit certified product data to EPA for listing

on the ENERGY STAR website. For more information on the Third-Party Certification program please visit [www.energystar.gov/testingandverification](http://www.energystar.gov/testingandverification).

As a reminder, ENERGY STAR manufacturer partnerships are limited to organizations that own and/or license a brand name under which they sell eligible products in the United States and/or Canada. Partnership is not available to original equipment manufacturers (OEMs) that do not sell directly to consumers or end users in the United States. OEMs may certify products on behalf of the ENERGY STAR brand owners/licensees; however the brand owner must be the ENERGY STAR partner associated directly with the certified product models, since only partners are authorized to use the ENERGY STAR certification mark.

EPA looks forward to working with you to bring high quality, energy efficient luminaires to the market carrying the ENERGY STAR certification mark. Please feel free to contact Peter Banwell with questions or concerns at (202) 343-9408 or [lighting@energystar.gov](mailto:lighting@energystar.gov).

Thank you for your contributions towards the development of this new specification, and for your continued support of ENERGY STAR.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Jantz-Sell". The signature is written in a cursive, flowing style.

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