

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



OFFICE OF
AIR AND RADIATION

April 19, 2013

Dear ENERGY STAR[®] Lighting Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to distribute Draft 4 of the ENERGY STAR Lamps V1.0 specification for partner and stakeholder review and comment. This specification is intended to replace the existing Compact Fluorescent Lamps and Integral LED Lamps specifications, as well as the certification requirements for GU24-based fluorescent lamps previously detailed in the Residential Light Fixtures specification.

The Agency would like to thank partners and stakeholders for their thorough review of Draft 3, and for the thoughtful comments submitted. All materials related to this draft including comments received have been posted to www.energystar.gov/lamps.

Since the release of Draft 3, EPA held a webinar and met with stakeholders in person and over the phone to discuss key topics in greater detail. The draft distributed today reflects changes resulting from the review of submitted comments, industry discussions, and further research and analysis.

It remains EPA's intent to provide consumers with efficient replacement products without sacrifice to performance, and not award the ENERGY STAR label to products that look like general purpose incandescent lamps but fail to deliver the necessary light distribution to effectively replace these products.

Stakeholders are encouraged to carefully review comment boxes incorporated throughout the draft which provide further details about proposed changes and additions, including:

- Clarified reporting requirements for products covered by ENERGY STAR and federal efficiency standards.
- Updated definitions for flicker, lumen maintenance, omnidirectional, directional and decorative lamps, and new definitions for flicker index, percent flicker, periodic frequency and reflector.
- Further reductions in testing burden with reduced sample size requirements for several tests and expanded opportunities to share test data among minor product variations.
- Revised minimum light output requirements for directional (non PAR or MR) lamps to provide a more realistic benchmark for efficient products replacing popular products that have been phased out due to federal standards.

- Revised luminous intensity distribution requirements for omnidirectional lamps to better align with variations in incandescent technology, and for decorative lamps, to account for limitations in the current technology.
- Revised correlated color temperature passing criteria consistent with existing passing requirements due to stakeholder feedback on manufacturing variances.
- Revised testing for lamps labeled not for use in recessed or enclosed fixtures, or the like.
- The addition of several toxics exemptions consistent with those included in the European Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive.
- Removal of positive R9 requirement for CFLs due to cost and loss in efficiency.
- Updated testing requirements and guidance to support the dimmability of dimmable products. This testing will not be subject to third party certification however relevant information will be reported through certification bodies. EPA will monitor dimming testing and evaluate the effectiveness of the approach to inform possible future revisions to the specification.

EPA will hold a webinar on Draft 4 on May 13, 2013 from 2-3pm EST to go over the changes to the latest draft. Advanced registration is required by sending an email to lamps@energystar.gov that provides attendee name(s), company name, phone number(s) and email address(es). For proper routing please include "Lamps Draft 4 Webinar" in the subject line of the email. For those unable to attend, the presentation will be posted to www.energystar.gov/lamps.

To build a more representative set of test data, EPA continues to encourage stakeholders to take an active role in the specification development process by testing their products and submitting test data for consideration.

The exchange of ideas and information among EPA, industry, and other interested parties is critical to the success of ENERGY STAR. Stakeholders are strongly encouraged to e-mail feedback on the Draft 4 Version 1.0 specification to lamps@energystar.gov by May 17, 2013.

To track EPA's progress in revising the specification for lamps, visit the ENERGY STAR Product Development Web site at www.energystar.gov/lamps. Please direct any specific questions to Taylor Jantz-Sell, EPA, at jantz-sell.taylor@epa.gov or (202) 343-9042, or Tanya Hernandez, ICF International, at tanya.hernandez@icfi.com or (919) 294-9004.

Thank you for your continued support of ENERGY STAR.

Sincerely,



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