

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



OFFICE OF  
AIR AND RADIATION

September 21, 2007

Dear Residential Lighting Fixture Manufacturer or Other Interested Party:

I am pleased to inform you that the Version 4.1 ENERGY STAR specification for Residential Lighting Fixtures has been finalized and will take effect on August 1, 2008. The attached specification outlines the performance, testing, and labeling requirements that qualifying products must meet in order to bear the ENERGY STAR. Your valuable feedback throughout the development process has been integral to the revision of the specification. Stakeholder feedback not marked as confidential and all Draft versions of the specification can be viewed on the *Revisions to Existing Product Specifications in Development* Web page at: [www.energystar.gov/productdevelopment](http://www.energystar.gov/productdevelopment).

The changes in Version 4.1 are primarily the inclusion of new requirements for GU-24 based integrated lamps, which seek to ensure high quality performance in support of an expanded market for these products. Updates in Version 4.1 include:

- **Accelerated, Cycling, Thermal and Voltage stress test (ACTV)** will be required for all GU-24 based integrated lamps applying for ENERGY STAR qualification.
- **Maximum Mercury Content** limits in GU-24 based integrated lamps, aligned with voluntary industry proposals.
- **Run-up Time** requirements have been added to harmonize with requirements in the ENERGY STAR screw base CFL program.
- **Product Packaging and Lamp Labeling Requirements** for GU-24 based integrated lamps, fixtures and their packaging to promote consumer awareness of mercury content and proper lamp disposal.
- **Testing Orientation** will be noted on ENERGY STAR platform letters of approval for GU-24 based integrated lamps. Test orientation will not limit the applicability of lamp platforms used in submitted fixtures, but fixture manufacturers are encouraged to source lamps which have been appropriately tested for the intended operating orientation.
- **2-Year Warranty** for all GU-24 based integrated lamps.

Version 4.1 of the ENERGY STAR specification for Residential Lighting Fixtures represents a change in performance requirements that affect only products and fixtures using GU-24 bases. As such, the qualification status of fixtures employing other lamp bases (not GU-24) will not be affected by the August 1, 2008 effective date.

All products and fixtures using GU-24 bases designated or labeled as ENERGY STAR qualified must be demonstrated to meet Version 4.1 requirements no later than August 1, 2008. Fixture manufacturers will be responsible for ensuring their qualified products meet the revised specification

and are encouraged to open dialogue with their suppliers regarding Version 4.1 requirements as soon as possible. EPA will accept GU-24 qualification under Version 4.1 as early as manufacturers can demonstrate their products meet the new requirements. Information on revisions to the qualification submittal process will be distributed to partners via email and posted to the Lighting Product Resources page at: [http://www.energystar.gov/index.cfm?c=manuf\\_res.pt\\_lighting](http://www.energystar.gov/index.cfm?c=manuf_res.pt_lighting). Partners should reference this information when qualifying products under the new Version 4.1 specification.

As of August 1, 2008 fixture models using GU-24 bases qualified under Version 4.0 that have not been requalified under Version 4.1 will be removed from the qualified product list, and manufacturers will need to discontinue labeling those models.

On behalf of EPA, I would like to thank all parties that participated in this revision process. We appreciate your participation and look forward to working with you to implement these new program requirements. If you have any questions or concerns, please feel free to contact me at [baker.alex@epa.gov](mailto:baker.alex@epa.gov) or (202) 343-9272. Thank you for your continued support of ENERGY STAR.

Respectfully,



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