



# ENERGY STAR® Lighting Newsletter

## LIGHTING THE WAY TO A BRIGHTER FUTURE

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### Lighting Specification Update

It is a busy time for lighting specifications. The highly anticipated Lamps V1.0 Draft 4 Specification was released on April 19, 2013. A webinar highlighting the proposed changes was held on **May 13, 2013**, and we were happy to have numerous partners and stakeholders participate. Please submit comments on this draft to [lamps@energystar.gov](mailto:lamps@energystar.gov) by **May 17, 2013**.

The proposed changes in Draft 4 include the following:

- Clarified reporting requirements for products covered by ENERGY STAR and federal efficiency standards
- Further reductions in testing burden with reduced sample size requirement 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
- Updated definitions for flicker, lumen maintenance, omnidirectional, directional and decorative lamps, and new definitions for flicker index, percent flicker, periodic frequency and reflector
- Updated omnidirectional intensity distribution requirements based on additional research of incandescent lamp intensity distributions to better represent incandescent performance

In addition to these changes, work continued on establishing dimming performance requirements and recommended practices for testing performance. Performance issues including maximum and minimum light output on a dimmer, flicker, and audible noise are all addressed in the proposed requirements. The recommended practice test methods are still in development and round-robin testing is in progress at some EPA-recognized laboratories. A lot of work went into developing these proposed requirements and test methods – **thank you** to all our partners, laboratories, and stakeholders for their tremendous efforts.

Information for the development of the Lamps V1.0 specification including comments received, the draft 4 webinar slides, a summary of dimming work, and a comment response matrix can be found at [www.energystar.gov/lamps](http://www.energystar.gov/lamps).

Near the end of 2012, EPA published a revised Luminaires V1.2 specification that included minor requirement changes, clarifications, and updated references including:

- Removal of the efficacy requirement increase for non-directional luminaires
- Reduction to the minimum required light output for non-directional luminaires
- Removal of the run-up time requirement for SSL products
- Updated test references (IES LM-41, LM-47, LM-65, LM-82)

The updates did not impact already certified products. For additional information or questions on the Luminaires V1.2 specification, visit <http://www.energystar.gov/luminaires> or email [luminaires@energystar.gov](mailto:luminaires@energystar.gov).

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### ENERGY STAR Awareness Continues to Grow

In early April, EPA released its annual analysis of the Consortium for Energy Efficiency's (CEE) household survey on the National Awareness of ENERGY STAR for 2012. It showed that the ENERGY STAR label continues to have strong recognition and influence on consumer purchasing decisions.



The report indicated that 87% of households recognize the ENERGY STAR label, a slight increase from 84% in 2011. Additionally, 41% of households knowingly purchased an ENERGY STAR-labeled product in the past 12 months and 75% of those surveyed were likely to recommend ENERGY STAR products to others. The full analysis is available [online](#).

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### ENERGY STAR Certified 100W LED Equivalent Now Available!

Now there are ENERGY STAR certified LED bulb replacements for all the common incandescent bulbs impacted by federal efficiency standards: 40, 60, 75 and now 100W replacements. This spring marks an important milestone in the development of high quality omnidirectional LED replacement bulbs. The first ENERGY STAR certified 100W equivalent LED bulb is by Philips and puts out 1780 lumens using only 22 watts!

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### First GU-24 LED Light Engine Added to CSD



MaxLite GU24 LED Lamp

There are now 19 LED light engines on the Certified Subcomponent Database (CSD). Recently, the first GU-24 base LED light engine appeared on the CSD. The product, from MaxLite, will make it easier and quicker to certify ENERGY STAR LED fixtures. As MaxLite's Chris Primous explained, "Having LED lamps now available in the popular GU24 base used in many ENERGY STAR lighting fixtures allows manufacturers a quicker path to the market with more efficient sources and added flexibility in lighting technologies."

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## 2013 ENERGY STAR Awards Honorees

Congratulations to our six lighting partners that were recently recognized for their strong commitment to ENERGY STAR lighting!

- **GE Lighting:** Partner of the Year – Sustained Excellence in Manufacturing
- **Technical Consumer Products, Inc.:** Partner of the Year in Manufacturing
- **Philips Lighting Company:** Partner of the Year in Manufacturing
- **Cree, Inc.:** Excellence in Product Development
- **Amerlux:** Excellence in Product Promotion
- **Metro Lighting:** Excellence in Lighting Retailing



*Philips Lighting Company celebrates ENERGY STAR Award with EPA's Beth Craig. Left to right: Keith Cook, Rene Burger, Beth Craig, Katherine Feliz, Jennifer Burns, Ted Simpson, and Patty Isabella.*

In addition to the above awards specifically focused on lighting, we wanted to recognize several other ENERGY STAR partners whose lighting initiatives contributed to their award-winning accomplishments: Constellation Energy/Baltimore Gas and Electric Company (BGE), ComEd, Northeast Energy Efficiency Partnerships, Inc. (NEEP), Pacific Gas and Electric Company, Lowe's Companies, Inc., AEP Ohio, PECO Energy Company, Southern Maryland Electric Cooperative (SMECO), The Home Depot, and National Grid.

We are grateful to all of our ENERGY STAR partners for their efforts to save Americans money and help the planet! Visit [www.energystar.gov/awards](http://www.energystar.gov/awards) to learn about all the winners and their great accomplishments.



*ENERGY STAR Award winners were recognized at a ceremony in Washington, DC on March 26, 2013*

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## Efficiency Vermont Brings Efficient Lighting to Low-income Households

With lighting accounting for more than 10% of a typical annual residential utility bill, energy savings from installing efficient lighting products can have considerable financial impact, particularly for low-income households. Beginning in 2005, Efficiency Vermont has been working to get ENERGY STAR certified CFLs into the homes of low-income Vermont residents.

The organization's efforts began with a pilot at the Vermont Foodbank where coupons for ENERGY STAR certified CFLs were available on a few shelves, but requirements for ratepayer identification to verify savings conflicted with the food bank's need for client confidentiality and halted the pilot. In 2009, Efficiency Vermont and the Vermont Foodbank again teamed up to begin a new program. By that point, promotions had shifted away



Efficiency Vermont employees Lara Bonn, Laura Zeppieri, and Laura Nogel-Conant bring CFLs to the Vermont Foodbank

from coupons and moved to upstream buy-down and mark-down offerings, which meant Efficiency Vermont could offer light bulbs to food shelf clients and claim savings, while keeping their clients' identities confidential.

Efficiency Vermont was able to increase reach throughout the state by leveraging the Vermont Foodbank's well-established infrastructure and high distribution efficiency. Rather than sending CFLs to individual food shelf locations, they began sending them directly to the Foodbank's central warehouse. From there, the Foodbank distributes bulbs across the state and with roughly 280 partner food shelves and pantries throughout Vermont.

The promotion began with a modest 21,359 CFLs in 2009, but by 2011, it had grown to 255,253 CFLs, and included A-lines, indoor reflectors, globes, three-ways, and outdoor wet-rated reflectors, of various wattages. In total, the program has saved low-income Vermont residents nearly \$10 million on their energy bills and prevented more than 145 million pounds of greenhouse gas emissions over the lifetime of the bulbs.

In 2012, Efficiency Vermont shared their success at the American Council for an Energy-Efficient Economy (ACEEE) summer study, and ACEEE recently named the organization's low-income approach and residential lighting program as Exemplary Programs.

We love hearing about the creative ways you are promoting ENERGY STAR lighting products. If you have an initiative you'd like to see featured in a future newsletter, please contact [Kelly Seeger](#) at ICF International.

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## ENERGY STAR Connects with Partners at Industry Events



Meredith Ledbetter, ICF International, at the ENERGY STAR booth at Strategies in Light

The ENERGY STAR lighting team was grateful to be able to participate in a couple of key industry events earlier this year, including **Strategies in Light** in Santa Clara, CA February 12- 14<sup>th</sup> where we spoke to many current and potential ENERGY STAR partners. We received valuable feedback and answered questions regarding the most recent Lamps specification draft, including flicker, color quality and eligible products.

**LIGHTFAIR® International** in Philadelphia, PA April 23- 25<sup>th</sup> provided us with a tremendous opportunity to interact with partners, EPA-recognized certification bodies and all the great new efficient lighting products, most of which were, as you might guess, made with LEDs. Of particular note for ENERGY STAR partners, we noticed LED bulbs utilizing lightweight materials and many more high lumen LED replacement lamps as well as LED light engines that can be used in ENERGY STAR luminaires. Throughout the conference we received great feedback on the newly released Lamps V1.0 Draft 4 specification and many questions on which products are eligible for the ENERGY STAR mark. For those of you who are interested, we have a handy one-pager that covers this on our website [Commercial Lighting and ENERGY STAR](#).



Austin Gelder and Kelly Seeger, ICF International, answer questions at the ENERGY STAR booth at LIGHTFAIR International

We enjoyed seeing the creative ways our partners promoted their ENERGY STAR partnerships and certified products. Please contact us for tips and best practices in advance of your next trade show -- we are here to help.

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## Save the Date: ENERGY STAR Partner Meeting is Headed to New Orleans!

Mark your calendars because the 2013 ENERGY STAR Products Partner Meeting is being held in New Orleans. This year's meeting will be held October 7-9, 2013 and presents a great opportunity to engage with industry stakeholders and hear about exciting ENERGY STAR program updates.

The order of product tracks is new this year. Lighting sessions will begin on Tuesday, October 8, with Wednesday, October 9 fully dedicated to lighting. All plenary and cross-track sessions will take place on Tuesday, October 8. We are already busy planning a variety of compelling sessions to bring you ENERGY STAR lighting updates and insight into successful strategies for making the most of your ENERGY STAR partnership.



*Sheraton New Orleans*

Additionally, EPA is pleased to join with Rebuilding Together to offer meeting attendees a chance to participate in a local community service rebuilding event prior to the meeting. For more information on the event and how you and/or your organization can participate, please contact Rebuilding Together's [Amy Seusing](#) or [Rosha Peavy](#).

Please visit [www.energystar.gov/partnermeeting](http://www.energystar.gov/partnermeeting) for the most up-to-date information on the meeting, including hotel reservation instructions, agendas, and other meeting details. The ENERGY STAR room block is still open for the main days of the meeting, but filling quickly, so we encourage you to make reservations soon.

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## The ENERGY STARs Across America Map is Back!

We had great success last year promoting partner events on the ENERGY STARs Across America map, so the map is back again this year, and we are excited to help you spread the word about your ENERGY STAR events. Partner events from April – October 2013 can be promoted and showcased by EPA. Contact your ENERGY STAR account manager for more information on event submission. Lighting manufacturers can contact [Christa Beal](#) at ICF International.



*Partner events are featured on the ENERGY STARs Across America Map*

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## Join ENERGY STAR in the Drive to Sell 20 Million LED Bulbs

EPA is excited to announce a challenge for ENERGY STAR retailers - with the help of manufacturers and utilities - to sell 20 million ENERGY STAR certified LED light bulbs by Earth Day 2014. Nearly 70% of light bulb sockets in the U.S. still contain an inefficient bulb. By replacing 20 million traditional bulbs with ENERGY STAR certified LED bulbs, Americans would save more than \$118 million each year in energy costs and prevent greenhouse gas emissions equivalent to that of 3.5 million vehicles.



Increased adoption of ENERGY STAR certified LED light bulbs will have a considerable impact on greenhouse gas emissions and energy bills. To increase adoption, there is a need for broader consumer education and awareness around the benefits of this technology - particularly the quality aspect of ENERGY STAR certified LED bulbs. The ENERGY STAR label is a trusted vehicle for identifying **high-quality, innovative lighting products**. Only ENERGY STAR certified LED bulbs have been tested and certified by third parties against rigorous quality and performance requirements to ensure they deliver on their claims.

If you are interested in learning more about how you can support the 20 million ENERGY STAR certified LED light bulb challenge, please contact [Jason Warner](#) at ICF International.

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## New Product Finder - Coming Soon!

You may have noticed the bulb finder recently disappeared, but not to worry – a new product finder tool is coming soon! Available later this spring, this tool will give stakeholders access to enhanced qualified products lists with more product data and improved data quality. The tool will be updated every Monday, Wednesday, and Friday, providing partners and consumers with more up-to-date information, enhanced search capabilities, and custom filters and export options.

Visit [www.energystar.gov/productfinder](http://www.energystar.gov/productfinder) to take a peek at what to expect for the lighting product finder – the clothes washers and telephony pilot programs are currently online. Stakeholders will be notified when each product tool is launched so be sure to keep an eye out!

PD_ID	Brand Name	Model Number	
1	2,086,910	LG	WM8000H**
2	2,169,722	Kenmore	4108#21#
3	2,169,721	Kenmore	4107#21#
4	2,081,234	Samsung	WF457A*GS**
5	2,081,233	Samsung	WF455A*GS**
6	1,907,349	Frigidaire	FAFS4073**
7	2,086,858	LG	WM3150H**
8	2,086,842	Kenmore	4154#21#
9	2,086,843	Kenmore	4153#21#
10	2,086,841	LG	WM3550H***
11	1,907,348	Frigidaire	FAFS4174**
12	1,907,347	Frigidaire	FAFS4004**

Sample ENERGY STAR product finder tool

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## New EPA Report: Four Years of CFL Testing: Assessment and Next Steps

The ENERGY STAR Compact Fluorescent Lamp (CFL) Third Party Testing and Verification Program was established to verify, on an ongoing basis, whether ENERGY STAR CFLs sold after initial qualification meet ENERGY STAR requirements. From May 1, 2009 through March 31, 2013, 334 models were tested through the program. The results of this testing reflect significant performance variability across original equipment manufacturers (OEMs) of these products.

While CFL technology has improved significantly over time, testing data collected through the CFL Testing Program suggest that quality control remains an issue. ENERGY STAR CFLs pass initial testing and qualification requirements in order to earn the ENERGY STAR label; however, over the past four years, the overall passing rate upon verification has been 55%.

Private labelers of CFLs can play an important role in addressing quality control issues by inquiring about their OEM's testing record and plans for improving it, as needed.

EPA is taking a number of targeted actions to help drive improved quality control in the production of ENERGY STAR CFLs. They include: individual notices to OEMs providing a recap of their testing performance in the CFL Testing Program; greater oversight of products associated with OEMs with high failure rates and heightened quality assurance requirements for labelers using products from those sources; and increased verification testing of products from OEMs with low compliance rates or that have been significantly under-tested to date.

The report will be posted shortly at [www.energystar.gov/integrity](http://www.energystar.gov/integrity).

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For more information, visit: [www.energystar.gov](http://www.energystar.gov) or [email us!](#)  
Are there topics you'd like to see in the next lighting newsletter?  
Contact [Taylor Jantz-Sell](#) and let her know!