

ENERGY STAR® LUMINAIRES SPECIFICATION V2.0 DEVELOPMENT UPDATE

The simple
choice for
energy
efficiency.



May 2015

Objectives & Key Changes Proposed

Streamlining & Simplifying

- Removal of socket restrictions
- New option to satisfy most testing requirements by including an ENERGY STAR Certified Lamp
- Sample size reductions for 11 requirements
- New ways to share test data among similar products
- Aligned requirements for cove and under cabinet lights
- Simplified minimum light output requirements
- Removal of separate commercial levels

“ENERGY STAR Luminaires Version 2.0 maintains most of the elements of the existing specification, while incorporating input from stakeholders and proposing new, easier, and more flexible pathways for certifying a wide variety of energy saving light fixtures.”

- Taylor Jantz-Sell ENERGY STAR Lighting Program Manager
U.S. EPA

Adjusting scope & increasing flexibility

- Expanded definition of LED Light Engines
- Additional retrofit-kit products added for wall sconces and ceiling mount luminaires
- Testing guidance for measuring color-tunable luminaires
- Elimination of exemption to ship without light sources
- New controls section with criteria for connected luminaires

Increasing efficacy levels

- Luminaire efficacy (delivered lumens per watt):
 - 50 lpw Cove/Undercabinet and desk lamps
 - 55 lpw Downlight & Accent luminaires
 - 60 lpw Downlight retrofit kits, outdoor products
- Inseparable and Non-directional (source) efficacy levels remain unchanged from V1.2

Key Milestones

October 2014	Discussion doc released
October 30th 2015	Stakeholder meeting
December 17th 2014	Draft 1 released
January 21st 2015	Stakeholder Meeting
January 30th 2015	Comment period closes
March 6 2015	Draft 2 Released



Other proposed changes

- ▶ Outdoor products can be decorative or directional (testing exemptions for Dark Sky compliant products)
- ▶ Downlight retrofit kit testing revised to represent worst case can installation per UL1598C
- ▶ Positive R9 requirement for SSL
- ▶ Adjusted color angular uniformity requirement

March 17th 2015	Stakeholder Meeting
April 20th 2015	Stakeholder Meeting
<i>May 4th 2015</i>	<i>Draft Final Release</i>
<i>May 22nd 2015</i>	<i>Comment period closes</i>
<i>December 2015</i>	<i>Cut-off date to certify to V1.2</i>
<i>June 1st 2016</i>	<i>Luminaires V2.0 Effective Date</i>

Stakeholders are encouraged to submit comments and contact us with questions or concerns.

Resources

- For more info visit www.energystar.gov/luminaires or contact: lighting@energystar.gov.