



# ENERGY STAR<sup>®</sup> Lighting Certification Body Webinar

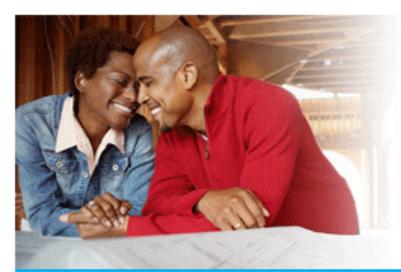
April 4, 2014

# Agenda

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- Lamps V1.0 transition
- SSL retrofits for non-integrated commercial fluorescent down lighting
- Lighting related directives
- Verification testing for lighting products
- OEM products, brand owners and product availability (Oh my!)
- Discussion / Q&A: Other issues, questions, concerns regarding certification or verification of lighting products?



# Transition to Lamps V1.0

# Lamps V1.0

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- Transition guidance
  - Key dates, “sell through” etc.
- XML templates and data transmission
- Recertifying products (majority of test data was reused to recertify)
- Transition issues, confusion over scope and equivalency claims

# Lamps V1.0: XML templates



- Inconsistent values
  - e.g. dims down to 10 vs. 0.1, use of model name vs. model number vs. additional model field
- Missing data
  - Power factor (for <5W products not held to a requirement but should still display)
  - Mercury content for CFLs
- Product finder and advanced views
  - Minor updates recently completed, more to come in October
  - Additional Notes field that will be displayed later

# Lamps V1.0 Look out list



- **Reminder:** EPA's [Cover letter](#) indicated EPA will be monitoring certain aspects of the new specification.
- *EPA intends to monitor implementation of certain aspects of the Lamps V1.0 specification,*
  - *such as the form factors of LED lamps submitted through the decorative category,*
  - *the availability of lamps intended for use in recessed or enclosed fixtures,*
  - *and the selection of dimmers used for testing.*
  - *If it becomes evident that the intent of the specification is not being met, EPA may open up the specification to address any issues.*

# Classifying Lamps



- Decorative: Other
  - What products are missing from the list?
    - E.g. CA11
    - How common are they?
  - No “G19” in the XML
    - While it exists in the ANSI standard this does not meet the intent of the specification
    - A lamp previously certified as a non-standard is NOT a decorative globe
    - A lamp with “A”, “A19” or the like in the model name or number or anywhere on the packaging is NOT a decorative globe



# Standard vs. Non-Standard



- **Non-standard:** has been used as a way to classify lamps that do not fit an ANSI type/shape outline or do not match the performance of a standard lamp of that type/shape
- **Standard vs. Non-Standard:**
  - CFLs may be standard or non-standard
  - LED Lamps must meet basic expectations for standard lamps (MOL, MOD, CBCP, distribution)
- Omnidirectional ANSI Standard lamps should target the ANSI MOL and MOD



# Equivalency Claims



- CFL Equivalency Claims – 2 scenarios
  1. Lamp meets ANSI MOL and MOD
    - May claim equivalency to wattage and shape
  2. Lamp does not meet ANSI MOL and MOD
    - May claim equivalency to wattage without referencing shape
- How to address shapes not in the XML
- Do shapes + wattage equivalencies have to match ANSI
  - What if the combo isn't in ANSI but is or was common in the market?
- FAQs drafted to assist – would that be helpful?

# Labeling Enclosed/Recessed



- Lamps intended for recessed or enclosed fixtures need to be tested accordingly
- For lamps to be exempt from ETLT, they must be labeled (lamp and packaging) as follows:
  - Omnidirectional lamps labeled “not for use in enclosed fixtures”
  - Any lamp labeled “Not for use in recessed fixtures”
  - If labeling does not appear on both lamp and packaging, it’s not exempt
- Noticing any trends?



# SSL Retrofits



- SSL retrofits for non-integrated commercial fluorescent down lighting
  - E.g. G24-base type SSL down light retrofit products
  - Could include products that either utilize the existing fluorescent ballast, replacing the existing ballast with a driver, or bypass the ballast by having an integrated driver
- FAQ worthy?

# Luminaires Verification Testing Directives



- [Directive #2012-01, April 20, 2012, ENERGY STAR Luminaires Verification Testing Guidance: Test Requirements, Sample Sizes and Determining Testing Failures \(60KB\)](#)
- [Directive #2013-01, September 30, 2013, ENERGY STAR Luminaires That Do Not Ship with Lamps Verification Testing Guidance for Certification Bodies – Test Requirements \(227KB\)](#)
- DRAFT: Reducing Duplicate Light Source Testing for Luminaires

# Directive 2012-01 Luminaires Verification Testing Guidance



## Reporting to EPA

Consistent with procedures for other ENERGY STAR product categories, CBs are required to report testing failures on any of the performance requirements to [enforcement@energystar.gov](mailto:enforcement@energystar.gov) within two days of determining a testing failure, and include with this submission all relevant test reports. EPA will then notify the manufacturer per the [ENERGY STAR Disqualification Procedures](#)<sup>3</sup>.

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<sup>3</sup> Updated on 4/1/14: The following language has been removed: "Until further notice, CBs shall also submit test results and associated reports for luminaires meeting all applicable ENERGY STAR requirements to [Certification@energystar.gov](mailto:Certification@energystar.gov) within two weeks of receiving complete test results."

# Directive No. 2013-01 Luminaires That Do Not Ship with Lamps



	THIRD PARTY CERTIFICATION IMPLEMENTATION ENERGY STAR® PRODUCTS	
	<b>SUBJECT:</b> ENERGY STAR Luminaires That Do Not Ship with Lamps Verification Testing Guidance for Certification Bodies – Test Requirements	DIRECTIVE NO. 2013-01 Date: 9/30/2013

Verification testing for ENERGY STAR certified luminaires should be limited to the following core performance requirements as applicable to the specific model.

- Zonal Lumen Density (for directional luminaires)
- Maximum Measured Ballast or Driver Case Temperature
- Off-State Power Consumption (only luminaires employing an integral method of switching)
- Power Factor

To ensure these luminaires continue to meet the ENERGY STAR specification, verification testing must be conducted for these performance requirements in the same manner as testing was conducted during certification. Such luminaires would be tested with lamps that are of the same type indicated on the luminaires' packaging (per "Product Labeling & Packaging Requirements" in the Luminaires specification) and that are compliant with ANSI/ANSI C78.81-2010 data sheets (for T8) or IEC 60081 data sheets (for T5).

# Verification Testing for Lighting Products



- Road mapping work looking at core tests for Lamps
- Reevaluation of certifications in the event of significant changes - observed when product picked for VT
  - Product doesn't include light source even though certified with the light source
  - Product sold with different components than certified
- Disqualification Procedures - What happens when CBs submit a failure to EPA?

# OEM Products, Brand Owners and Product Availability, oh my!



- Lighting products may only be certified as ENERGY STAR if intended for the US or Canadian market
  - Sold in Canada only should be captured up front in “markets sold” field
- Product certifications must be associated with brand owner (request for exceptions need EPA approval)
  - EPA is exploring options for listing OEM products that are intended for relabeling and products that are not currently and may never be available
- Directive on maintaining product certifications
  - CBs required to update product availability of all certified products at least annually
  - CBs required to maintain contact with partners
  - If product availability is not known yet, CBs should indicate 4 years in the future. This date should be modified when the product is available or during the next annual check on availability, whichever is first.
- Product availability
  - Products not available but only AFTER selected for VT
  - Seasonal availability

# What's Next?



- ENERGY STAR and NEMA Lighting Road Mapping Work
  - Verification testing criteria for Lamps
    - March call
    - April 28<sup>th</sup> tentative follow on
- LIGHTFAIR<sup>®</sup> International
- ENERGY STAR Products Partner Meeting, tentatively Oct. 27-29, 2014 in Phoenix, AZ

# What's Next?

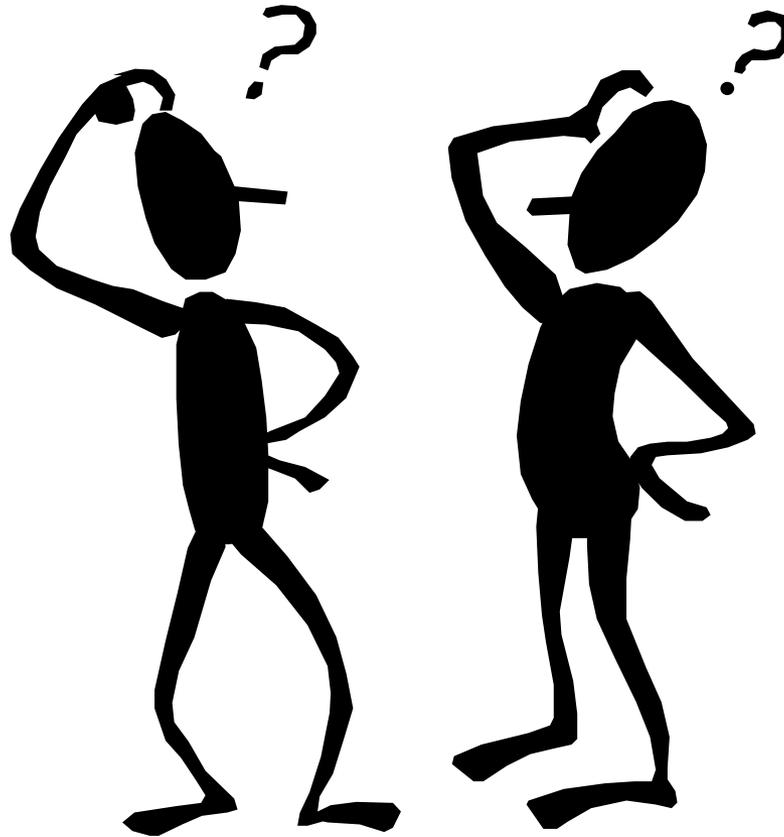


- LIGHTFAIR International 2014
- ENERGY STAR Lighting Certification Short Course
- Monday, June 2, 2014 – 2:00PM – 5:00PM
- LIGHTFAIR Pre-Conference program

# Questions, concerns?



- Time for some discussion





**Thank you!**