Understanding the LED Lighting Facts Requirements



LightFair International

June 3-5, 2014

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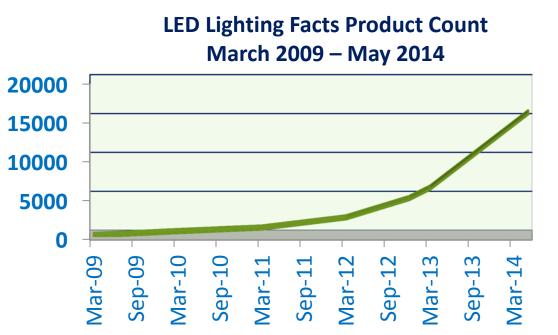
D&R International

Program Update—Just the Stats!

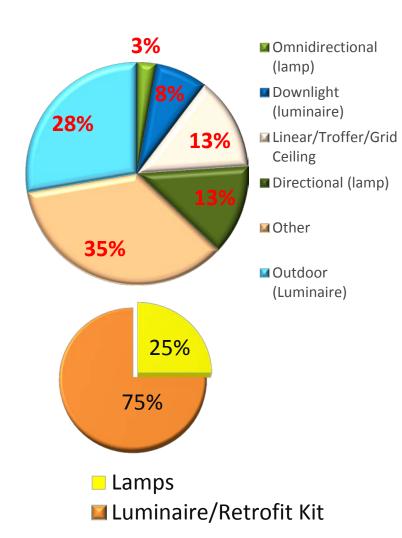
- Over 16,000 products listed, from all available product categories
 - Over 1,000 products submitted each month
 - 100% increase in the number of products listed in April 2013 compared to April 2014
 - Registry represents all general illumination types and applications; no thresholds—"just the facts"
- Over 1,600 partners use the program
 - 746 manufacturers, 350 retailers/distributors, 306 lighting professionals, 115 energy efficiency organizations, 84 testing labs
 - All have pledged to use the program to compare "apples to apples" on verified product performance.
- Continues to change and grow as the market grows and advances:
 - Latest round of changes designed to reduce testing costs and get products to market faster
 - New interfaces make listings, updates easy and simple



Five Years of Program Growth



*Annual Product Status Update initiated in January 2013. Over 3400 products have been archived.



Keeping Up With the Changes

- Once listed with LED Lighting Facts, product may experience a number of phases and changes, including:
 - New qualifications
 - New versions
 - New availability/distribution status
- LED Lighting Facts policies are designed to make it easy to reflect product changes at each stage, including:
 - Initial Submission Requirements and Options
 - Product Status Updates / Archiving
 - Verification Testing
- These policies and requirements enhance search results without creating more hurdles and hassle
 - A delicate balance indeed!



Right from the Start...

Initial submission requirements:

– LM-79 (LM-80/ISTMT):

- Related products may now be submitted as a family with only one test report
- Calculation methodology explains how the products are similar

Product Categorization:

Products can now be further defined by use, function, size and application

Spec Sheet Requirement:

- Manufacturer has the option of making it public or not
- Provides ability to compare marketing claims to listing

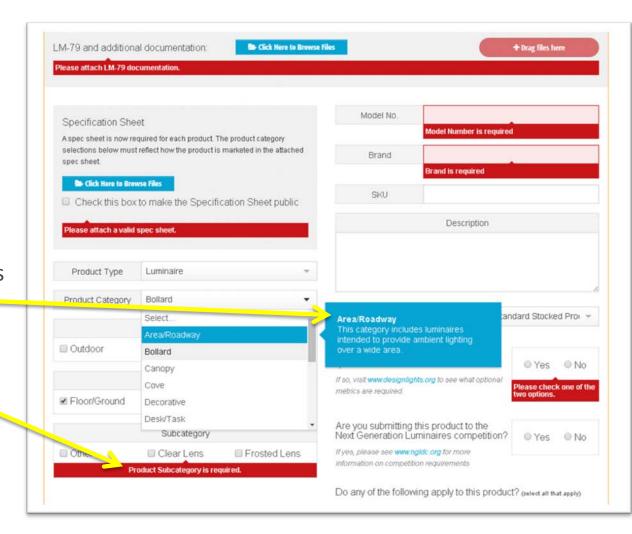
Tested and Listed Values:

- Requiring tested and listed data allows manufacturers to submit exact values and the values as they use to market their product (eg., listed)
- Tested values must match the test report exactly; tolerances apply to listed values
- Test and listed values available on product listing; listed value only on label



Designed for Ease of Use

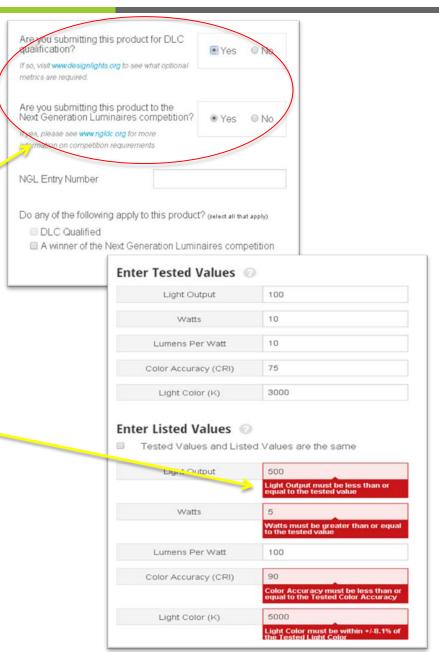
- The online submission process has been designed to support the policies and requirements:
 - Submission form has built-in safeguards to encourage accurate listings
 - User guidance helps manufacturers accurately categorize products
 - Cannot publish without all of the required information



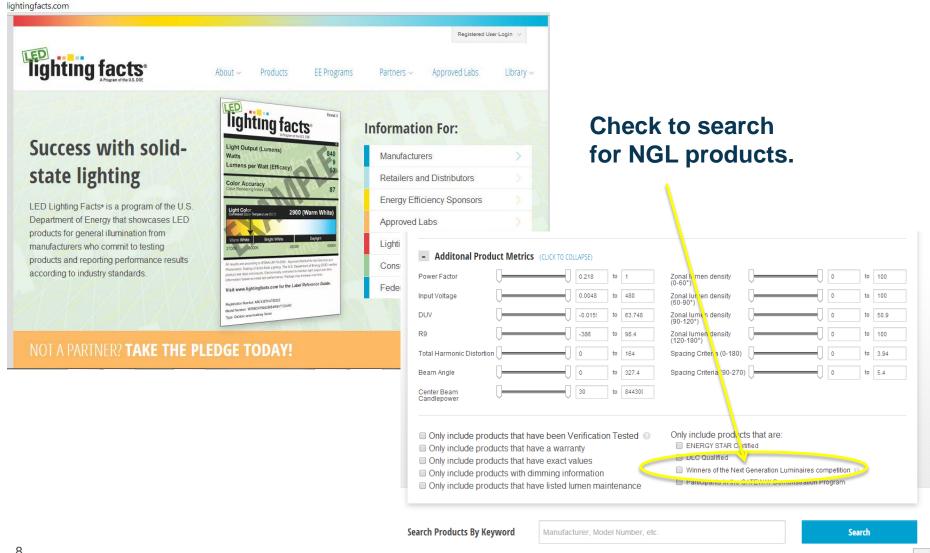


Better Alignment With Other Program Requirements

- Programs, such as DLC, NGL and FEMP use LED Lighting Facts as their first point of entry:
 - Manufacturers can indicate if they are submitting for programs
 - The submission process allows the manufacturer to submit tested and listed values for 5 required metrics
 - » Important for other programs
 - » Automatically checks for accurate data
 - » Listed values used on label



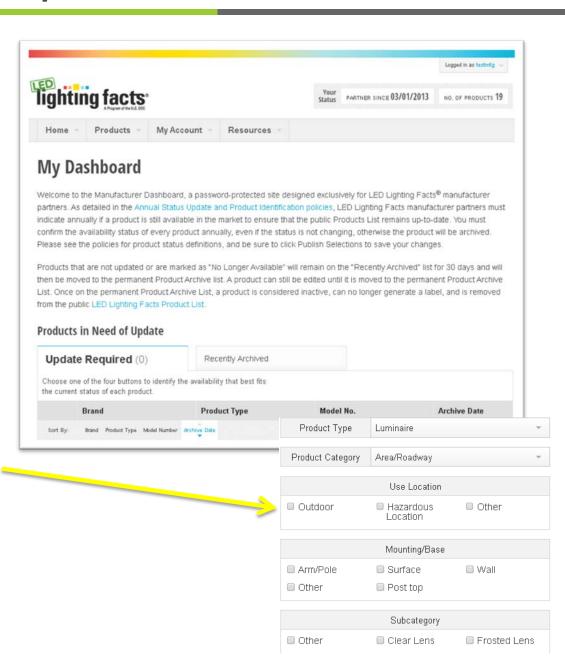
Example: Compare NGL Winners to Other Products



Annual Product Status Update

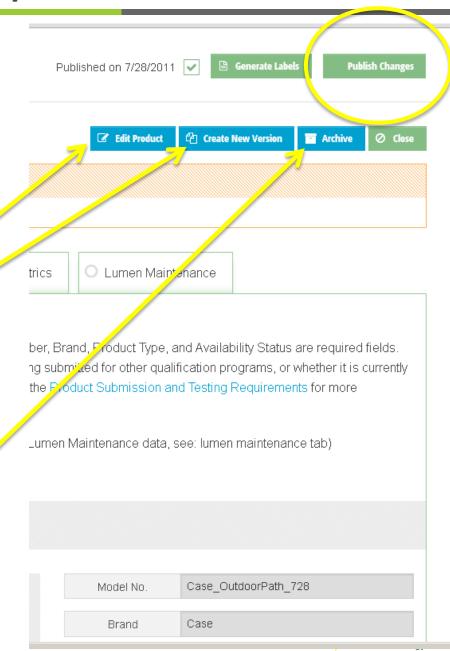
A lot can change in a year!

- The Dashboard will prompt a manufacturer to review products every year and confirm:
- Availability status
 - In Stores
 - Special Order Only
 - Not Yet Available
 - No Longer Available (manufacturer chooses to archive)
- Product Categorization
 - Product searches are now generated using use location, mounting/base and size – not just type and category
 - If your product was submitted before August 2013, it may not be accurately defined
- New qualifications and certifications:
 - ENERGY STAR
 - DLC
 - Recognitions like NGL Awards



Don't Wait For The Annual Update!

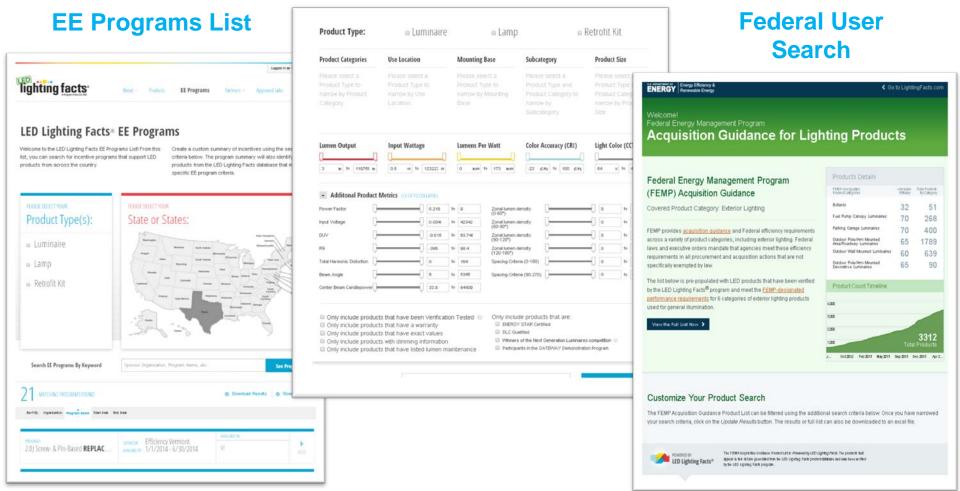
- LED Lighting Facts has made updating products even easier!
 - Revisions that don't require additional test data and fall within the allowable tolerances can be made without having to resubmit!
 - Click edit, save and <u>PUBLISH</u>!
- If a product update requires a new test report, then a new version can be created
 - This will require additional verification from LED Lighting Facts
- During the annual product status update or at any time, a product that is no longer in the market can be archived



Instant Accurate Results

Once a product is listed or updated, all of these search interfaces are instantly updated with accurate results.

Complete Product Search



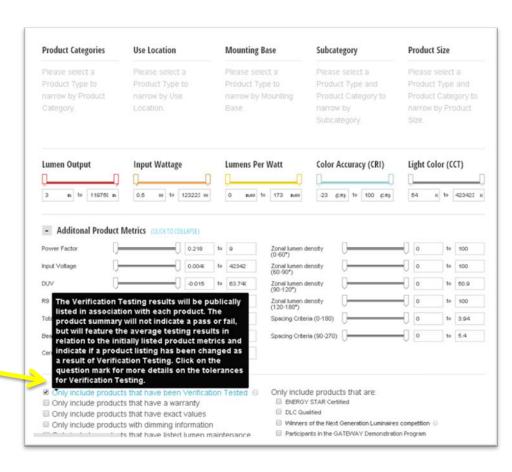
How is a Product Listing like a LinkedIn Profile?

- Like LinkedIn, LED Lighting Facts can be an essential source of accurate information when utilized as designed
- Consider LED Lighting Facts the "LinkedIn" of the SSL Industry:
 - Only the user can ensure that a "profile" is current
 - Search results are generated using information from each profile
 - Products must be "endorsed" after receiving new qualifications or updates
 - Connections with other programs, partners
- The LED Lighting Facts listing should reflect the current state of a product
 - A manufacturer cannot expect full results unless all of the information about a product is accurate and up-to-date
 - Don't just list it and leave it!



Verification Testing

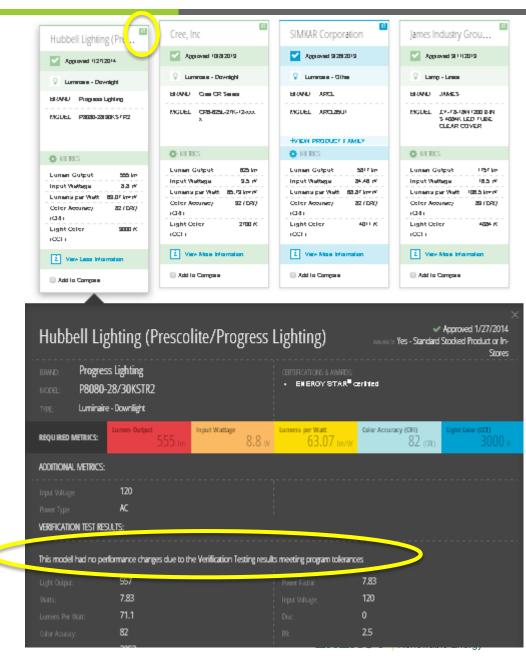
- Verification Testing assures users that a product is performing as listed
- Results are based on sample average of 1, 3 or 6 samples (depending on the product type)
 - Results compared against initial listed values
- ENERGY STAR Verification test reports can be shared with LED Lighting Facts, reducing testing and reporting costs
- You can search for Verification Tested products from the LED Lighting Facts Product List!





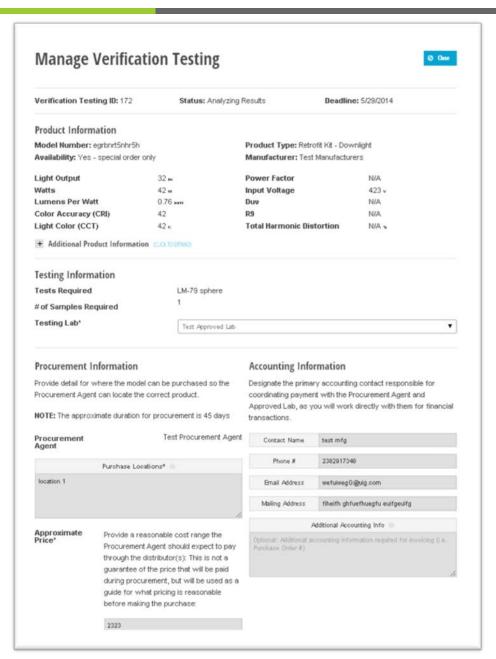
Verification Testing Results

- The results from 76 products are available from the Product and Archive List
- 200 products will be Verification Tested by Fall 2014
 - Listed Values will be compared to test results using program tolerances.
 - VT results are displayed on the Products List
 - Listing will indicate if the product metrics were changed to reflect tested values
 - Manufacturer can also archive a product that does not test within the Verification Testing tolerances
 - Opportunity for manufacturers to promote verified product performance!



New! Verification Testing Dashboard

- Verification Testing Tracking Interface!
 - Online interface that tracks and monitors the status of the product from procurement through testing
 - It also collects all of the product and testing information
 - It even allows the manufacturer to archive products that did not test within the allowable tolerances!
- Each associated partner (manufacturers, procurement agents and labs) have access that is specific to their role in the process
- No more back and forth emails with attachments!



What's Next?

- We know partners want more ways to improve visibility for programs and products
- Here are some ideas that we are working on:
 - Improved process for submitting, updating, searching lab accreditations
 - Increasing opportunities for product and program alignment
 - Tools that make customized product lists more accessible and purposeful
 - Offering marketing tools for manufacturers
 - Manufacturer profiles and portals with direct hyperlinks
 - Procurement and purchasing information
 - Link to specific product information (not just the product list)

What else? Your Feedback Counts! We Want To Hear From You!



Need More Information?

- See the About and Library Tabs on www.lightingfacts.com
- Contact
 <u>verification@lightingfacts.</u>
 <u>com</u> for Verification
 Testing questions
- Attend our regularly scheduled webinars!
 - Invitations and updates are sent via email – contact <u>info@lightingfacts.com</u> for more information



Q&A Discussion: Ask the Experts

- ENERGY STAR®---Taylor Jantz-Sell
- DesignLights Consortium®—Irina Rasputnis
- LED Lighting Facts®—Marci Sanders

