



DESIGNLIGHTS  
CONSORTIUM

2016

STAKEHOLDER  
MEETING

August 2-3 • Denver, CO

# V4.0 Transition Guidance

Jenna Winer – D+R International

# Agenda

- Background/objective of Specification Revision
  - Purpose of DLC
  - Development Process and Stakeholder Input Process
  - Motivations for Specification Revision
- Implementation timeline
- Updates to listed products
- Questions

# DesignLights Consortium™ SSL QPL

- A program for the qualification of commercial, industrial, and outdoor SSL luminaires
- Begun in 2009 by NEEP, at the request of a group of utilities, to cover applications of lighting not covered by ENERGY STAR®
- Recognizing the critical relationship between energy efficiency incentive programs and adoption of new technologies, the DLC QPL is driven by efficiency programs to serve their customers and achieve their energy savings goals
- **Goal:** to drive quality and energy savings without inhibiting innovation in the industry
- **Goal:** to support the needs of member efficiency programs in achieving savings in their C&I lighting programs

# General DLC Development Process

DLC aggregates requests/suggestions for development

- “Wish lists”
- Spec Development (new Primary Uses)
- Spec Revision (new performance thresholds)
- Policy Development/Revision

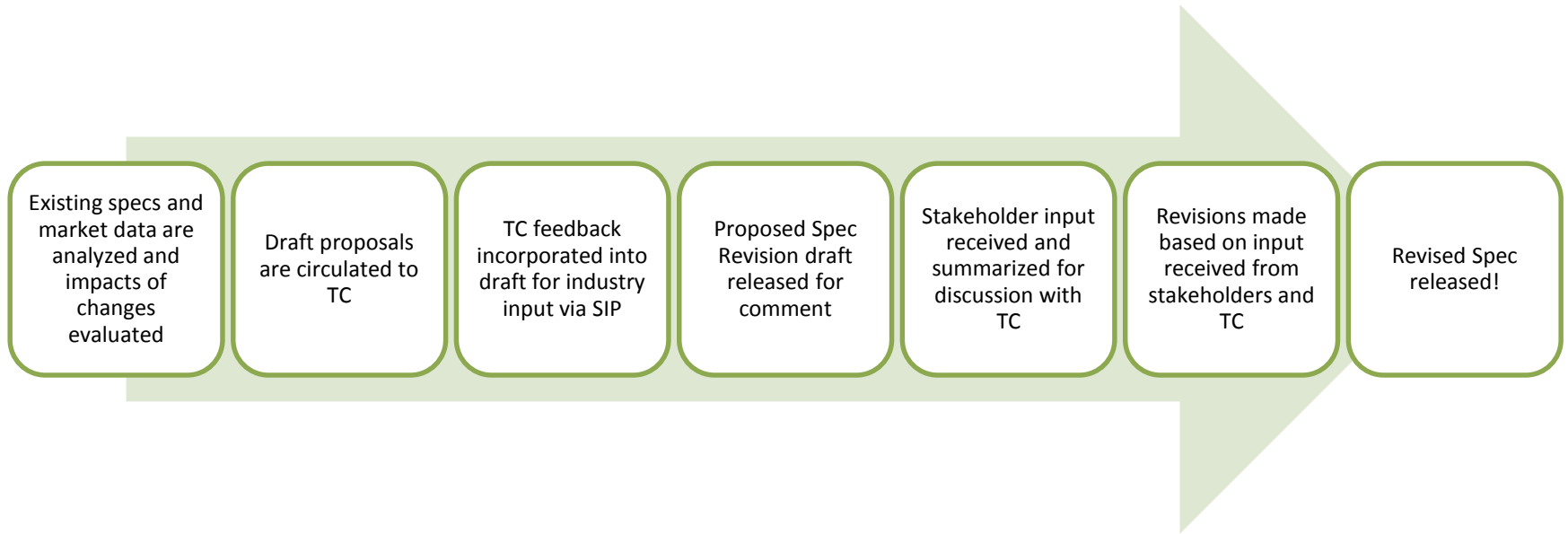
Prioritize wish lists periodically

- Active review with DLC Technical Committee (TC)
- Surveys of entire DLC membership

Prioritized tasks undertaken for development

- Any new Spec Development or program change goes through Stakeholder Input Process (SIP)

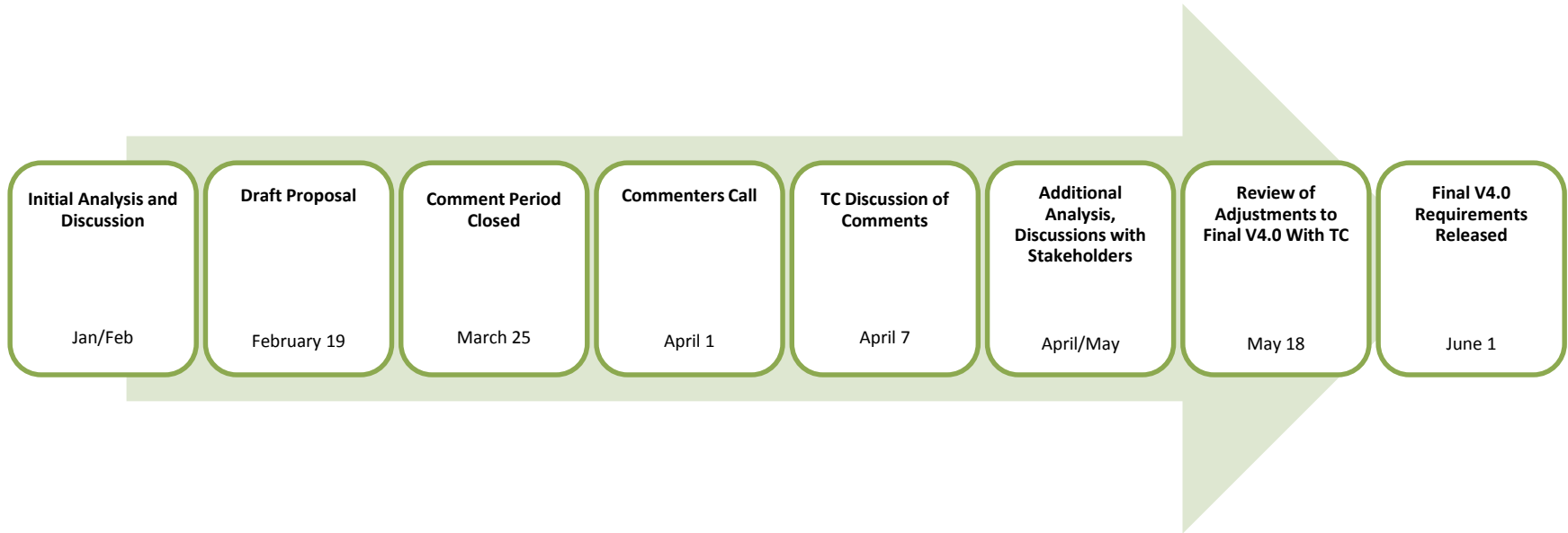
# Specification Revision Process



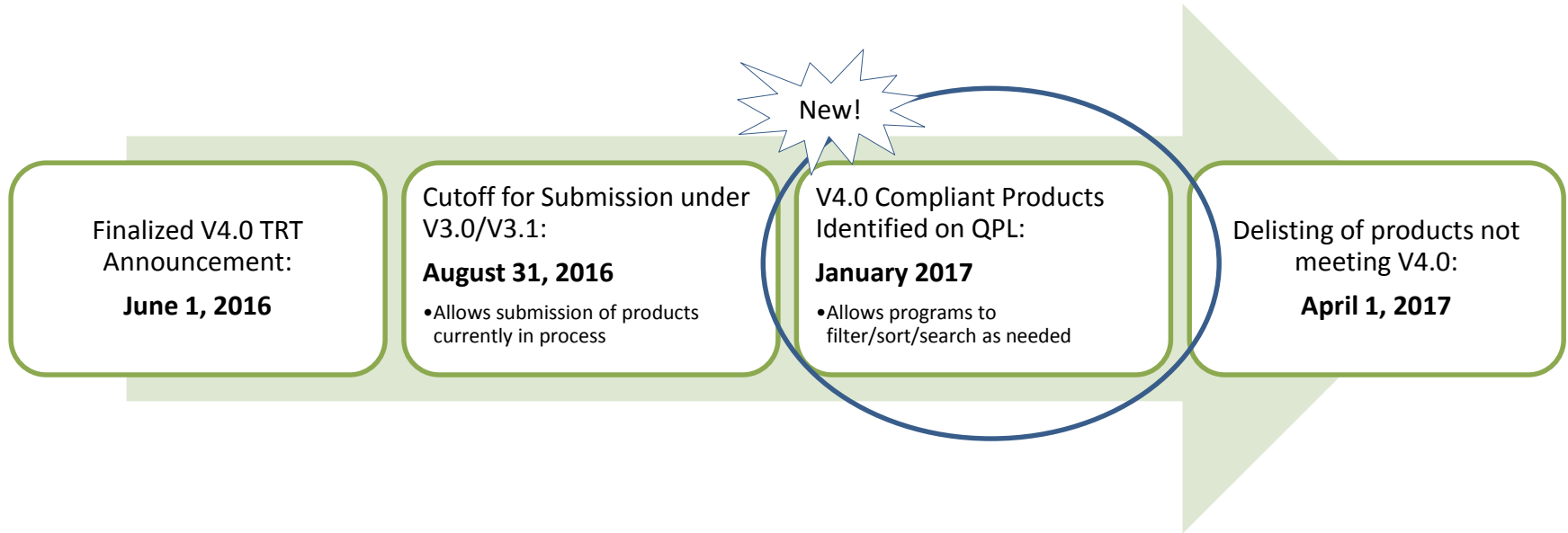
# V4.0 Direction from DLC Members

- Wanted to significantly revise efficacy levels/push market toward adoption of most efficient products
- Length of time since last major efficacy revision was a concern
- Number of products on the QPL was a concern
  - Are we identifying the best products? All quality products?
  - Product availability: likelihood that many products still represented on the QPL are no longer on the market
- Target goal: push towards 50<sup>th</sup> percentile for standard, 95<sup>th</sup> (or higher) percentile for Premium

# V4.0 Development Overview



# Implementation Timeline





# Potential Allowances

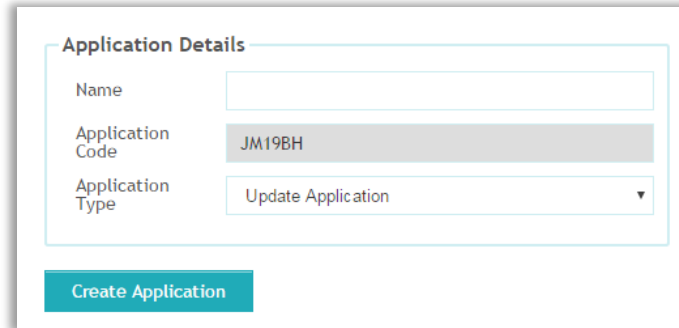
- Color properties (low CCT, high CRI)
- Architectural Linear Ambient
- “Architectural” or “Non-planar” Troffers
- Decorative/Historical Outdoor
- Specific optical qualities
  - Features to reduce glare, pixilation
- Specifics of Wall-Wash Luminaires (specific distributions to ensure even illuminance)
- Specifics of Case Lighting (small form factors, even luminance, appropriate illumination of merchandise)

# Transition of Existing Products

- Products that meet V4.0 requirements based on testing provided with original qualification, as represented by “Measured” performance on the QPL
  - Products that meet V4.0 levels will transition automatically
  - V3.1 Premium products will automatically transition to V4.0 Standard
- Products that do not meet V4.0 levels may be updated during transition period (now-March 2017)
- Update fees consistent with previous transitions
  - Based on testing needed to evaluate compliance
- OEM must update before private labelers

# Transition: Single Product Applications

- Submit V4.0 Update Application
  - Application “Name” field should indicate “V4.0 Update Application”
  - Select “Update Application” from Application Type drop-down



The screenshot shows a web form titled "Application Details". It contains three input fields: "Name" (an empty text box), "Application Code" (a text box containing "JM19BH"), and "Application Type" (a dropdown menu with "Update Application" selected). Below the form is a teal "Create Application" button.

Application Details	
Name	<input type="text"/>
Application Code	JM19BH
Application Type	Update Application ▼

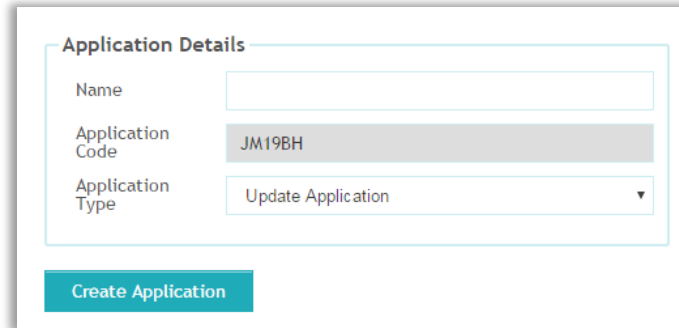
[Create Application](#)

# Transition: Single Product Applications

- Within “Update Application”:
  - Detailed information about *any* changes made to the product since initial qualification
  - Completed V4.0 Application Form
  - Copy of downloaded Excel spreadsheet from DLC QPL of products being updated
    - Must include Product ID for all products
  - Test reports necessary to demonstrate compliance with V4.0
    - At minimum, LM-79
    - LM-80/ISTMT, if needed based on product changes
  - Updated spec sheet
  - Newly signed Self-Certification Statement

# Transition: Family Grouping Applications

- Submit V4.0 Update Application
  - Application “Name” field should indicate “V4.0 Update Application”
  - Select “Update Application” from Application Type drop-down



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Application Code	JM19BH
Application Type	Update Application ▼

[Create Application](#)

# Transition: Family Grouping Applications

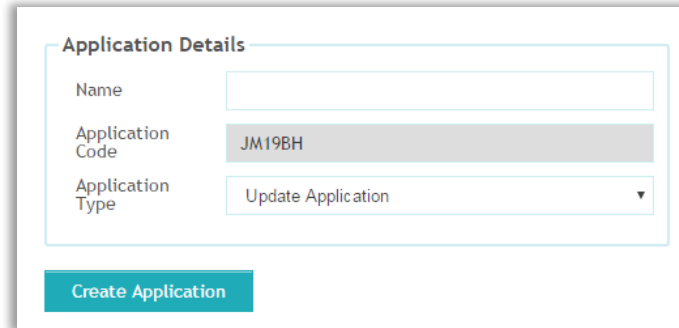
- Updates due to performance changes:
  - Detailed information about *any* changes made to the product since initial qualification
  - Completed V4.0 Application Form
  - Copy of downloaded Excel spreadsheet from DLC QPL of products being updated
    - Must include Product ID for all products
  - Test reports necessary to demonstrate compliance with V4.0
    - At minimum, LM-79
    - LM-80/ISTMT, if needed based on product changes
  - Updated spec sheet
  - Newly signed Self-Certification Statement

# Transition: Family Grouping Applications

- Updates due to re-bracketing:
  - Detailed information that identifies the subset of the family that meets V4.0
  - Completed V4.0 Application Form
  - Copy of downloaded Excel spreadsheet from DLC QPL of products included in Update Application
    - Must include Product ID for all products
  - Testing necessary to demonstrate compliance with V4.0 for new Parents of subset
    - At minimum, LM-79(s)
    - Potential LM-80/ISTMT based on product changes
  - Updated spec sheet
  - Newly signed Self-Certification Statement

# Transition: Private Label Applications

- Submit V4.0 Update Application
  - Application “Name” field should indicate “V4.0 Update Application”
  - Select “Update Application” from Application Type drop-down



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Name	<input type="text"/>
Application Code	JM19BH
Application Type	Update Application ▼

Create Application

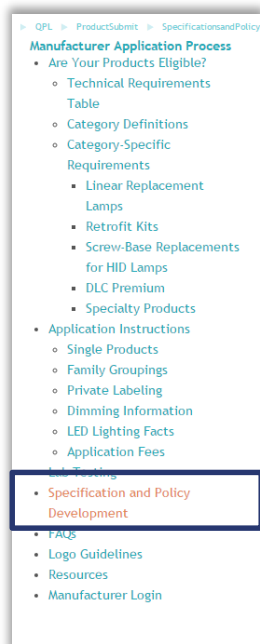


# Transition: Private Label Applications

- OEM must update listing before private labeler
  - Work with OEM to determine when updates to OEM's products have been completed
- OEM or private labeler can submit update for Private Label Update Application
- Within Update Application
  - Completed Private Label Application Form
  - Copy of downloaded Excel spreadsheet from DLC QPL of products included in Update Application
  - Updated spec sheet
  - Newly signed Self-Certification Statement

# Other Resources

Detailed Guidance Document provided with V4.0 release



## Specification Revision:

### Most Recent Announcement

DLC recently announced final TRT V4.0 on June 1, 2016. See the announcement and items below:

- To view the Cover Letter for the Announcement, please click [here](#).
- To view the Technical Requirements Table V4.0, please click [here](#).
- To view the Guidance Document to aid the transition to V4.0, please click [here](#).
- Webinars were held to review the Technical Requirements. Click [here](#) to view the webinar in English. Click [here](#) to view in Mandarin.

# Other Resources

- Presentation will be held via webinar on August 18<sup>th</sup> 1pm EDT
- Monitor DLC news section for updates

Questions?

# Thank you!

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