



STAKEHOLDER
MEETING 2018

July 9 - 11 • Boston, MA

Reducing Delays in SSL Application Reviews



Presenter



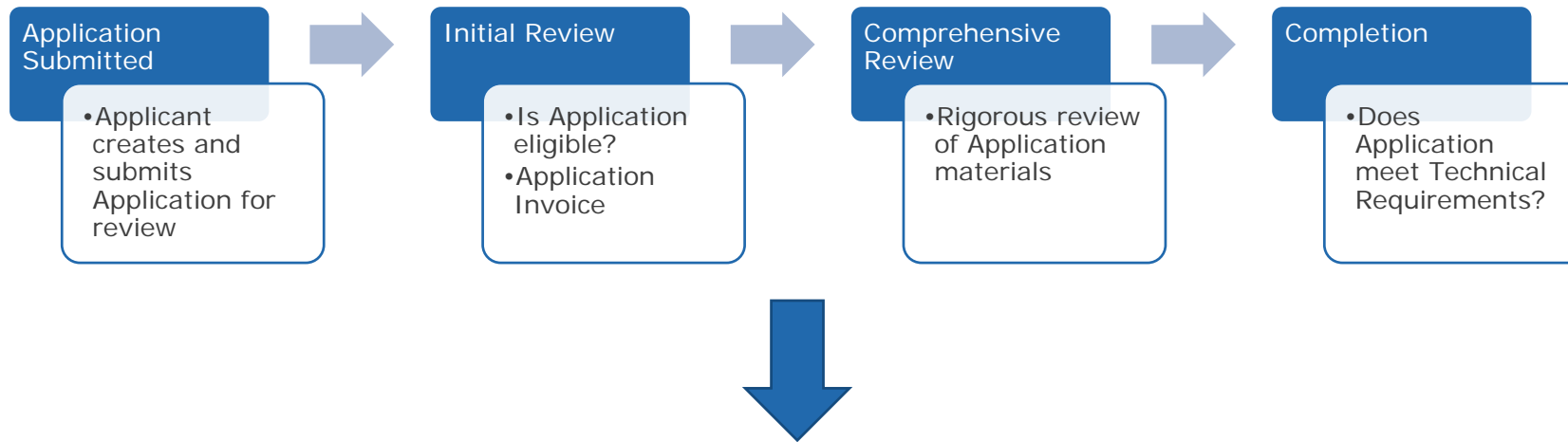
**Jenna
Winer**

*D+R
International*

Agenda

- Background on Application Process
- Common issues
 - Information on specification sheets
 - Model number explanations
 - Incorrect/incomplete Application Forms
 - Insufficient Scaling Methodology
- Summary
- Questions

Background on Application Process



- When issues arise during any step of the review process, DLC reviewers will use the Application Portal to send a message to the Applicant
- Questions must be sufficiently addressed to allow reviewer to continue the review

Common Issues

- Information on specification sheets
- Model Number explanations
- Incorrect/incomplete Application Forms
- Insufficient Scaling Methodology



Information on Specification Sheets

Specification Sheets

- Used to determine eligibility
 - Provide important information about product seeking qualification
- Must be same marketing material provided publically
- Must contain certain information to meet DLC requirements



TR Series



Features

- Provides ambient lighting in office spaces, schools, retail stores, etc.
- Rated Lifetime: 500,000 hours
- Precision die-cast titanium housing
- Lifetime Warranty
- Baby-proof
- Easy to Install
- Save up to 2% in electricity costs
- Dimmable, Integral Control options available



Product Specifications

Efficacy	200 lm/W
Rated Wattage	10W/20W/30W
Rated Lumen Output	2000lm/4000lm/6000lm
CCT	3000K/4000K/5000K
L x W x H	48" x 24" x 5"
Input Voltage	120-277V

Ordering Information

Series	Wattage	Lens	CCT	Dimmable	Mounting Options	Optional
CL-TR	10W	C-Clear	30K	[Blank]-Non-Dimmable	[Blank]-None	[Blank]-None
	20W	F-Frosted	40K	D-Dimmable	A	PC-Photocell
	30W		50K		B	OC-Occupancy EM-Emergency Battery Backup

Example: CL-ABC-10W-F-30K-D-B-PC,OC,EM

Email: clearled@hotmail.com
 Phone: 1-800-937-CLED
 1600 Pennsylvania Ave NW, Washington, DC 20500

Specification Sheets

- Must contain:
 - Manufacturer name
 - Specific, relevant model number
 - Intended use
 - Dimensions
 - Rated lifetime (if wishing to report on QPL)
 - Dimming info (if claiming product is dimmable)
 - Controls info (if claiming products has controls)
 - Controls interface info (if product is Color Tunable)
 - Compatibility info (if product is a CFLED)
 - Housing info (if retrofit kit is Option B)



Specification Sheets

- Additional suggested information:
 - Images of product, in its intended use
 - Rated performance information
 - Description of ordering code
 - Details on construction (LEDs, drivers, housing material, etc.)
 - Details on additional accessories, including ordering info
 - Contact information



Missing Information

- Frequently, specification sheets are missing the required information
 - No reference to Manufacturer name ✖
 - No reference to submitted model number ✖
 - Vague or missing intended use ✖
- Lack of information requires revisions and increased back-and-forth between review and applicant

Incorrect Information

- Ensure spec sheets contains correct and eligible information

- Intended replacement and UL type for TLEDs and CFLEDs
 - Installation instructions must correlate with PUD
- Base type for screw-base replacement lamps
 - Only E39 and EX39 eligible at this time
- Rated performance information that meets Technical Requirements
 - Rated performance below Technical Requirements will rejected

Breakout Session
3ft, 8ft, and 2G11
Lamp Requirements
7/11: 2-2:30pm



Check all information prior to submitting Application

Inconsistent Information

- If submitting a Private Label Application, OEM and Private Label specification sheets must match:
 - Dimensions
 - Product design (LEDs, drivers, housing/lens material, etc.)
 - Intended use
 - Dimming information
 - Variations seeking qualification





Model Number Explanations

Model Number Guidance

- Model numbers should include characters for *any* variations offered to customers
 - Variations include both performance and non-performance affecting options
 - Non-performance affecting variations may be represented by a wildcard or bracket on the QPL, but still must be identified in the model number
- Ordering code breakdown on Application Form should reflect variations on specification sheet
- Common model number variations include:

Series

Optic/lens

Controls

Wattage

CCT

Housing color

Drive current

Dimming

Optional accessories

Insufficient Model Number Explanations

- Insufficient ordering code details frequently cause delays
- Issues include:
 - Incomplete ordering code breakdown in Application Form
 - Options in ordering code differ from options on specification sheet
 - Options on specification sheet not included in model submitted
 - Model number on Application Form is too generic (i.e. CL-TR series)

Insufficient Ordering Codes

You must provide a breakdown of your ordering code below. Be sure to follow the format of the example breakdown:

Example model number: CL-TR-10W-C-30K-D-A-PC

CL-TR=Series

10W = wattage (can be 10W or 20W)

C = lens (can be -C (clear), -F (frosted) or -S (striped))

30K = CCT (only available in 3000K)

Other characters = other options

Options in ordering code differ from spec sheet

Applicant does not explain each character in model number

Application Form

Ordering Information

Series	Wattage	Lens	CCT	Dimmable	Mounting Options	Optional
CL-TR	10W	C-Clear	30K	[Blank]-Non-Dimmable	[Blank]-None	[Blank]-None
	20W	F-Frosted	40K	D-Dimmable	A	PC-Photocell
	30W		50K		B	OC-Occupancy EM-Emergency Battery Backup

Specification Sheet

Insufficient Ordering Codes

Model Number	Scaled Initial Light Output (lumens)	Scaled Luminaire efficacy (lm/w)	Scaled Input power (W)	Scaled Heat Dissipation (W)
CL-TR Series	1,000	100	10	

Options on specification sheet not included with model submitted

Application Form

Ordering Information

Series	Wattage	Lens	CCT	Dimmable	Mounting Options	Optional
CL-TR	10W	C-Clear	30K	[Blank]-Non-Dimmable	[Blank]-None	[Blank]-None
	20W	F-Frosted	40K	D-Dimmable	A	PC-Photocell
	30W		50K		B	OC-Occupancy EM-Emergency Battery Backup

Specification Sheet



Incomplete/Incorrect Application Forms

Application Form Guidance


- Application Forms inform DLC reviewer what products are seeking qualification
- Application Forms provide crucial product information including:
 - Application type
 - Classification (Standard/Premium)
 - Model numbers and ordering code information
 - Product design
 - Performance information


Incomplete/Incorrect Application Forms

- Common issues with Application Forms
 - Conflicting information between Application Form and supporting documentation
 - LED part number, driver information, dimming
 - Incomplete ordering code breakdown
 - Incomplete Scaling Methodology
 - Missing data in Scaled Performance Table
 - Outdated version of Application Form
 - Modified Application Form

Incomplete/Incorrect Application Forms

- To avoid delays, ensure Application Form and Scaled Performance Table are complete and accurate
 - Application Form will indicate required fields based on answered questions

Does your submission include any housing variations?		No 	
Please describe each housing variation in the spaces below. The "A", "B", "C", etc. nomenclature should be used for reference on the Scaled Performance Table.			
Housing Variation A			
Housing Variation B			
Housing Variation C			
Housing Variation D			
Housing Variation E			

Does your submission include any housing variations?		Yes 	
Please describe each housing variation in the spaces below. The "A", "B", "C", etc. nomenclature should be used for reference on the Scaled Performance Table.			
Housing Variation A			
Housing Variation B			
Housing Variation C			
Housing Variation D			
Housing Variation E			

Incomplete/Incorrect Application Forms

Below, please explain the scaling methodology used for any values listed in the Scaled Performance Table.

Scaled Methodology Explanation:

Please note the following:

- 1 - CCT should be entered into this spreadsheet without the unit ("K")
- 2 - THD should be entered into this spreadsheet as a whole number. Do not list as a decimal or convert to percentage (i.e. 15.43 is correct, not 0.1543 or 15.43%)
- 3 - Power Factor is reported as a decimal on the DLC QPL. Please make sure you are entering Power Factor as a decimal, not a whole number.
- 4 - Scaled Data must be representative of the same tested configuration of the Parent model (i.e. Retrofit Kits are rated based on performance in a reference housing)

Scaled Performance Table includes helpful notes for completing accurately

Vertical NEMA Beam Spread <i>Flood and Spot Lighting Only</i>	Horizontal NEMA Beam Spread <i>Flood and Spot Lighting</i>	Base Type <i>Linear Replacement Lamps and Mogul Screw-Bases Only</i>	Integral occupancy sensor and/or photocontrol? (Yes/No)	Is the product capable of dimming? (Yes/No)	If the product is capable of dimming, what is the dimming type? (Continuous/Stepped)	If Continuous, can the product dim to 10% or below its full input power when installed in the appropriate system? (Yes/ No)

- ❌ Do not modify existing tabs within Application Form
- ✅ Additional information can be uploaded via the Miscellaneous Documents section within the Application Portal



Insufficient Scaling Methodology

Scaled Performance Table


- Provides performance overview of models seeking qualification
 - Understanding of product family
 - Worst-case models
- Documents additional details for each model
 - PUDs
 - Standard/Premium
 - Dimming, controls
- Used by reviewers to determine Application Fees
- Data is listed on QPL

Scaling Methodology Guidance

- Complete Scaling Methodologies:
 - Identify all performance affecting variations in submitted models
 - Determine performance impacts of all variations and calculate scaling factor for each variation
 - Ex: CCT variations result in a 3% efficacy increase as CCT increases
 - Include testing (in-house or accredited) to support scaling factors
 - Include detailed explanation of scaling approach
 - Can be explained/supported by Applicant should reviewer have questions
- Can include separate document and reference separate document within Application Form

Insufficient Scaling Methodologies

- Left blank in Application Form

Below, please explain the scaling methodology used for any values listed in the Scaled Performance Table.	
Scaled Methodology Explanation:	

Insufficient Scaling Methodologies

- Does not address each performance affecting variation
- Vague explanation of impact on performance

Below, please explain the scaling methodology used for any values listed in the Scaled Performance Table.

Scaled Methodology Explanation:

-Light output increases as CCT increases

-Efficacy increases as CCT increases

Application Form

Ordering Information

Series	Wattage	Lens	CCT	Dimmable	Mounting Options	Optional
CL-TR	10W	C-Clear	30K	[Blank]-Non-Dimmable	[Blank]-None	[Blank]-None
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Model variations



Summary

Specification Sheets

- Ensure specification sheet contains required documentation
- Ensure all information on specification sheet is accurate and meets Technical Requirements



Model Number Explanations

- Ensure ordering code breakdown on Application Form is complete and accurate
- Ensure options on spec sheet correlate with Application Form and vice versa



Application Forms

- Ensure Application Form and Scaled Performance Table is filled out completely and accurately
- Ensure information on Application Form correlates with supporting documentation



Scaling Methodology

- Ensure Scaling Methodology is included with Application (either within Application Form or as separate document)
- Ensure Scaling Methodology covers all performance affecting variations and Applicant can explain/support the methodology used





Questions?

General Contact Information

Application specific:
applications@designlights.org

General inquiries:
info@designlights.org