2019 DLC April 1 - 3 • St. Louis, MO

STAKEHOLDER MEETING

SSL App Processing

Behind the Curtains

Presenter

Bernadette Boudreaux
Technical Operations Manager
What Is DLC Doing With My Application?

**Perception**

“They don’t even look at the documents!”

**Reality**

Rigorous analysis done on each document submitted

**Perception**

“Submitters don’t look at my application until the last day!”

**Reality**

Reviewers typically manage 20-30 applications regularly
SSL Application Processing

1. Application Submitted
   - Applicant creates and submits application for review

2. Initial Review
   - Is application eligible?
   - Application Invoice

3. Comprehensive Review
   - Rigorous technical review of application materials
   - Does application meet Technical Requirements?
Required Documentation For Submissions

- Application Form
- Product Spec Sheet
- LED Spec Sheet
- Driver Spec Sheet
- LM-79
- IES files
- LM-80
- TM-21
- ISTMT
- Warranty Document
- Safety Certification

https://msmt.org/seek-behind-curtain/
Ensures light characteristics meet eligibility requirements
Verifies light characteristic claims
Protects integrity of QPL - submitters held to same standards
Example

When tested in Proper Orientation ZLD requirements were NOT MET

Not consistent with the intended installation of a wall-pack
Accurate product representation
Ensures reviewers evaluate eligibility based on submitter intent and design
No manufacturing info
Model info unclear
Limited detail
Word document

Name or PUD on application does not match spec sheet

Performance Affecting Option not accounted for in scaling
Eligibility Docs

IES

LM-79
LM-80

App Form

Product Spec Sheet

Correct Eligibility requirements identified

Submitted for correct product application in the market?

Product representation correct?

FINAL Spec Sheet?

Product meets requirements of product type/applications?

Product lifetime

Assists with ensuring rebates are applied properly

Maintains fairness in qualification
This is not a HIGH BAY

This is not an AREA LIGHT
Ensures manufactures and submitters are eligible for the appropriate energy rebates
Was the LED tested properly?

Different LED temps used

**Thermocouple Reference**

<table>
<thead>
<tr>
<th>No.</th>
<th>Temperature (°C)</th>
<th>Corrected at 25°C</th>
<th>Measured</th>
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<tbody>
<tr>
<td>1</td>
<td>74.9</td>
<td>74.8</td>
<td>72.0</td>
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<tr>
<td>2</td>
<td>72.5</td>
<td>72.4</td>
<td>73.5</td>
</tr>
</tbody>
</table>

The highest in-situ measured temperature LED is **74.8°C**

**In-Situ Inputs**

- Drive current for each LED package/array/module (mA): **179**
- In-situ case temperature ($T_c$, °C): **67.3**
- Percentage of initial lumens to project to (e.g. for L_70, enter 70): **89**

**Results**

- Time ($t$) at which to estimate lumen maintenance (hours): **36,000**
- Lumen maintenance at time ($t$), %: **90.13%**
- Reported L90 (hours): **36,000**
Worst Case

LM-79

Meets Lumen Output and LPW

Does not align with scaling

LED tested does not match LED spec sheet

Does not meet THD requirement

<table>
<thead>
<tr>
<th>ProductNumber</th>
<th>InputVoltage</th>
<th>InputCurrent</th>
<th>InputWattage</th>
<th>PowerFactor</th>
<th>OutputWattage</th>
<th>OutputVoltage</th>
<th>OutputCurrent</th>
<th>THDCurrent</th>
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<td>D15 xxxxxxxx</td>
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<td>00.229</td>
<td>027.2</td>
<td>0.997</td>
<td>022.2</td>
<td>037.6</td>
<td>00.592</td>
<td>25.797</td>
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Questions?

Contact Us

Please use the forms to the right to submit either a general question or about the QPL.

Phone Support:
781-538-6425
Mon-Fri, 9am-5pm EST
For Application Support - Dial 1
For Qualified Product List Inquiries - Dial 1

Email Support:
General Inquiries: info@designlights.org
Application Support: applications@designlights.org