

2019



April 1 - 3 • St. Louis, MO

STAKEHOLDER MEETING



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Submitting a Successful Hort Application



Presenters



**Dave
Ryan**
D&R Int'l



**Damon
Bosetti**
DLC



Agenda

- Intent of the DLC's hort specs
- Common tripping points
 - LM-80 / TM-21
 - Drivers
- FAQ / Open questions

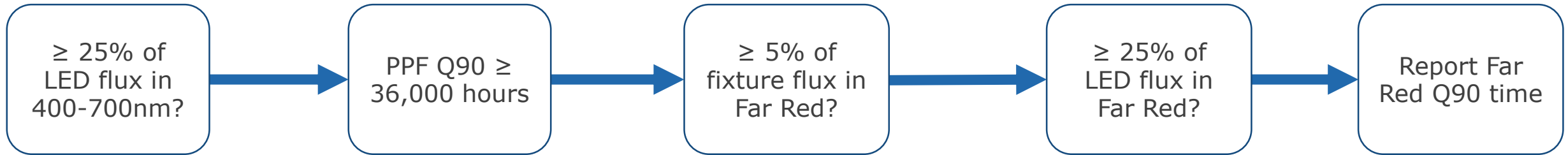


Intent

- Above all else, support utility programs in their introductions of horticultural incentive programs.
- Is the product . . .
 - Safe?
 - Efficient?
 - Long Lasting?
- Can users of our QPL easily find useful information about a listed product?



LM-80/TM-21 Evaluation



LM-80 data sources

- If in lumens / watts, then the product will need to re-file “true PPF” based data by April 2020.
- If in lumens / watts, but converted with a zero-hour LM-85-based scaling factor, the product will be listed through April 2021. If staying on the list past then, will need to show “true PPF” data
- If in “true PPF” measurements, the product will be listed through April 2021

LM-80 data sharing

- DLC follows ENERGY STAR requirements for sharing LM-80 data among different LED models.
- Be prepared to explain the reasoning behind a LM-80 applicability claim, especially for different nominal wavelengths.



Driver Evaluation

MFR A Driver Family 1			
ST		HV	
120V	277V	347V	480V

MFR A Driver Family 2			
ST		HV	
120V	277V	347V	480V

MFR B Driver Family 1			
ST		HV	
120V	277V	347V	480V

Driver evaluation: Efficacy

- What is the single least efficient driver-voltage pair out of all of the above?
 - Show this with benchtop testing at full power
- That is the driver-voltage pair that should be used during LM-79 testing

Driver evaluation: Lifetime

- What is the single least efficient driver-voltage pair for each MFR-family combination?
- That is the combination that will be evaluated for driver lifetime at max ambient temp.



FAQs

- What about . . .
 - Spectral recipe A / B / C?
 - Remote power supplies?
 - Liquid-cooled designs?
- Open questions!
 - ?
 - ?
 - ?



Thank you!