



Dear DLC Members and Stakeholders:

The DLC is pleased to release the following draft proposals for stakeholder comment:

SSL Technical Requirements V4.4 *(Comments due Wednesday, August 22, 2018)*

- **Horticultural Lighting:** 2nd Draft Testing and Reporting Requirements for LED-based Horticultural Lighting
- **DC and PoE Lighting:** 2nd Draft Testing and Reporting Requirements for Direct-Current (DC) and Power-over-Ethernet (PoE) Lamps, Luminaires, and Retrofit Kits
- **Field-Adjustable Light Distribution:** 1st Draft Testing and Reporting Requirements for Field-Adjustable Light Distribution Products
- **Field-Adjustable Light Output:** proposed revisions to Testing and Reporting Requirements for Dimmable Products with Field-Adjustable Light Output (previously released as a part of Technical Requirements V4.3)

Comment Forms (New!)

The DLC now requires all comments to be submitted using DLC Comment Forms. Please download the Comment Form for each individual requirements proposal below. Comments should be submitted using the DLC Comment Forms to info@designlights.org and will be accepted through **Wednesday, August 22, 2018**.

- [Horticultural Lighting Comment Form](#)
- [DC and PoE Lighting Comment Form](#)
- [Field-Adjustable Light Distribution Comment Form](#)
- [Field-Adjustable Light Output Comment Form](#)

Informational Webinars

Two informational webinars will be held to review the proposed new Technical Requirements:

- **Horticultural Lighting Webinar**
Wednesday, August 8, 1:00pm-2:00pm EDT. [Register.](#)
- **DC/PoE, Field Adjustable Light Distribution, and Field-Adjustable Light Output Webinar**
Thursday, August 9, 1:00pm-2:00pm EDT. [Register.](#)

SSL V4.4: Horticultural Lighting Products (2nd Draft)

The DLC has developed a 2nd draft policy that will qualify fixtures designed and marketed for use in horticultural lighting applications on a special-purpose Horticultural Lighting QPL.

Key changes from the prior draft include:

- A single set of requirements to be applied to all products, given the rapid state of change and uncertain boundaries between product categories.
- A new minimum efficacy threshold for Photosynthetic Photon Flux Efficacy (PPFE) of 1.8 $\mu\text{mol}/\text{J}$.
- A proposed 24-month listing and Technical Requirements cycle, with “ratcheting” PPFE threshold based on observed QPL product trends.

[View Draft Requirements and Key Questions](#)

SSL V4.4: DC and PoE Products (2nd Draft)

The DLC has developed a 2nd draft policy that will enable luminaires, lamps, and retrofit kits that are powered by Direct Current (DC) or Power over Ethernet (PoE) to be qualified and listed on the SSL QPL.

Key changes from the prior draft include:

- LM-79 testing is required at two voltages rather than three: the voltage that results in the worst case efficacy, and the nominal system voltage.
- The DLC has proposed that UL Type A and Type B replacement lamps are not eligible to be qualified as DC/PoE products, but will continue to be eligible as AC type products.
- Language has been added to clarify testing of products with accessories.
- New QPL fields are proposed for POE Class/Type, and to differentiate products that connect directly to the PoE network, or indirectly through another device.

[View Draft Requirements and Key Questions](#)

SSL V4.4: Field-Adjustable Light Distribution

The DLC has added a new draft policy to this V4.4 release that will enable luminaires, lamps, and retrofit kits with field-adjustable light distribution capabilities to be qualified and listed on the DLC SSL QPL. This new beneficial product feature provides economies of scale opportunities for the supply chain and more flexibility for customers and installers.

[View Draft Requirements and Key Questions](#)

SSL V4.4: Revised Field-Adjustable Light Output

The DLC issued a new policy in March 2018 that allowed products with field-adjustable light output capability to be qualified and listed on the SSL QPL. This beneficial product feature provides economies of scale opportunities for the supply chain, more flexibility for customers and installers, and additional energy-savings opportunities. In May 2018, the DLC suspended this policy in order to revise it to allow

greater flexibility and clarity around the difference between field adjustable and dimmable products and the associated testing requirements. With this V4.4 release, the DLC is issuing the revised policy for stakeholder comment. The revised policy simplifies the requirements and aligns testing requirements between dimmable and field-adjustable light output products.

[View Draft Requirements and Key Questions](#)

If you have any questions about the draft requirements outlined above, please email info@designlights.org. We appreciate your comments and feedback and look forward to engaging with you as we continue to develop these requirements.

Best regards,

The DLC Team