

Discussion Session Topics

Wednesday, August 3
10:30 am – 12:00 pm

SSL Category & PUD Development: Current Drafts for Comment and Future Evolution of Technical Requirements *(Onyx)*

This session will cover the draft proposals for new and revised categories and primary use designations on the SSL QPL that were released for comment ahead of the DLC Stakeholder Meeting. Topics include LED Replacement Lamps for Pin-Based CFLs, Very High Output Outdoor Lighting, U-Bend Replacement Lamps, Refrigerator Case Lighting, and Hazardous Environment Lighting. Come learn about these draft requirements and participate in a discussion on the direction of the proposals.

Additionally, we will continue the conversation from Tuesday on new considerations for future evolutions of the DLC SSL Technical Requirements Table, addressing topics such as frequency of updates, ensuring published performance is current, reducing testing burden, increasing efficacy without compromising quality, and more.

SSL Policy Development: White Color Tuning *(Highlands)*

Color tunability for LED products is an exciting market development as it offers increased functionality and can cater to customers' color preference and perception of quality. However, the additional variability provided by color tuning creates a challenge for qualification programs aimed at energy savings, identifying worst case performance, and ensuring quality for the end user. DLC Members are very interested in allowing white color tuning products into their programs, but there are many issues that need to be addressed, such as the lack of current testing standards or historical comparison for what defines quality performance for these types of systems. Additional concerns include the ability to identify worst case along the tunable range to ensure white color tuning products meet the necessary DLC Technical Requirements without placing unnecessary testing burden on manufacturers. This discussion session will address the key issues in developing a white color tuning policy and testing methodology to aid in the policy development process.

DC & PoE Lighting *(Lodo)*

Under current DLC Technical Requirements, luminaires operating on DC power grids and Power over Ethernet (PoE) systems are not currently eligible for qualification. Such products have gained traction in the market and offer benefits and high efficacies that DLC Members value. However, challenges remain in how to evaluate individual luminaires when system efficiency is the key metric. How does the DLC evaluate the luminaire performance when power supply efficiency losses are not captured in luminaire testing? How does the DLC handle part load efficiency of central power supplies or line loss efficiency? What elements of system efficiency should the DLC address with the SSL specification and what elements should be addressed with the NLCS specification? This session will discuss various options for how the DLC can address the overall system efficiency of PoE- and DC-based systems to maintain the high performance of qualified products required by DLC Member energy efficiency programs.

Allowances for Unique Applications *(Ballroom A)*

DLC specifications are intended to help define quality products, but certain product characteristics related to quality (such as optical control and color quality) may make meeting the proposed efficacy levels more challenging. These characteristics are difficult to rigorously and objectively define using luminaire-level test data. The recently published V4.0 Technical Requirements document includes a placeholder for a new Table 6, identifying “Allowances” for specific product types that would define and provide efficacy allowances for products with these features.

This discussion session will queue up proposals that have been made to the DLC for identifying the specific product features that enhance the quality of a product and the light they produce, and what accommodations would be appropriate for those features. Small working groups will discuss these proposals and the outcomes will inform continued development of the Allowances table for products with these desired features.

Networked Lighting Controls Spec Development: 2017 *(Ballroom B)*

In this session, we will discuss potential 2017 revisions to the Networked Lighting Controls Specification. For instance, should the specification require luminaire-level control, localized processing, and/or energy monitoring? Should exterior applications be supported - perhaps site and parking but not roadway? Should systems with 0-10V dimming meet a standard test for the forthcoming NEMA ANSI C137.1? What other tests or standards could or should be required? How can we make the application process more feasible for manufacturers with multiple systems?