



New DLC requirements for the Light Usage for Night Applications (LUNA) program



Introduction to the Qualified Products Lists

The DesignLights Consortium® (DLC) is a nonprofit organization that partners with utilities and energy efficiency program members, manufacturers, lighting designers, and federal, state, and local entities to establish specifications and educate the industry. Lighting manufacturers selling in North American markets should be aware of the advantages of registering lighting products on the DLC's Qualified Product Lists (QPLs), which many U.S. and Canadian utilities rely on to identify products eligible for utility rebates.

UL Solutions can provide the independent third-party testing and certification for key metrics needed to register for the QPLs, and an updated overview of current incentive programs is available at [Designlights.org](https://www.designlights.org) where end users also search for listed products.

Light Usage for Night Applications

The DLC recently released a new program, Light Usage for Night Applications (LUNA), that has three main goals:

- Minimize light pollution
- Minimize lighting energy use
- Provide appropriate visibility for people

The DLC created an advisory group to help develop this program. The group includes representatives from various research, industry, design and utility sectors, such as the International Dark Sky Association, IES, WELL Building Institute and others.

Products that achieve the LUNA qualification will be listed on the DLC Solid State Lighting (SSL) Qualified Products List and have permission to use a DLC LUNA product logo. UL Solutions is able to support the testing requirements for application to this program with photometric engineering staff and accredited laboratories registered with the DLC.

Testing to LUNA requirements

UL Solutions laboratories have the expert engineers and state-of-the-art equipment to conduct the various photometric tests for the DLC requirements.

LUNA scope:

- Pole/arm-mounted area and roadway luminaires, decorative luminaires
- Full-cutoff wall-mounted area luminaires
- Canopy
- Bollards
- White light only, color temperature (CCT) 2,200 -3,000 K

Requirement highlights:

Products must meet the DLC SSL V5.1 Technical Requirements as a baseline in addition to the LUNA Technical Requirements. (LUNA creates allowances for efficacy in some specific cases.)

Specific LUNA requirements:

- Aiming
- Backlight, uplight and glare (BUG)
- Shielding
- Controllability
- CCT 2,200 K-3,000 K

Why UL Solutions?

UL Solutions is a global safety science leader. We deliver testing, inspection and certification (TIC), training and advisory services, risk management solutions and essential business insights to help our customers, based in more than 100 countries, achieve their safety, security and sustainability goals.

UL Solutions can provide the testing and certifications needed for the SSL, horticultural, cybersecurity (networked lighting controls) and LUNA requirements needed to be added to or remain on the DLC's QPLs.

Visit us online at [UL.com/lighting](https://www.ul.com/lighting) or connect with our experts in your region to arrange testing at our laboratories.

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