



# Performance testing of LED luminaires pays off

UL helps manufacturers to register their efficient, reliable lighting products to the Qualified Product Lists (QPL) of the DesignLights Consortium (DLC)

## **UL conducts testing for key metrics.**

In the North American market, many U.S. and Canadian utilities rely on the DesignLights Consortium (DLC) to provide energy efficiency and reduced risk qualification programs for utility rebates. The DLC is a nonprofit organization that partners utilities and energy efficiency program members, manufacturers, lighting designers, and federal, state, and local entities to establish specifications and educate the industry. An updated overview of current incentives programs is available at [www.designlights.org](http://www.designlights.org) where end users also search for listed products.

UL can provide the independent third-party testing that is the key to eligibility, and UL has laboratories recognized by the United States Environmental Protection Agency (EPA) required for manufacturers to apply for DLC performance and quality recognition.

Since professional designers, utilities, retailers and lighting systems users use the QPL to select products and manufacturers, the benefits of a DLC listing can make a lasting difference, and UL can help you achieve that listing.

- Be listed on the Lighting Control DLC Qualified Product List, making your products more transparent and accessible to specifiers, designers, contractors and end users.
- Stay ahead of regulatory developments and potential security liabilities.
- UL can help you navigate the family groupings from the DLC guidelines, saving you time and money.



## UL testing for DLC Qualified Product Lists



### Horticultural Lighting Program

The DLC's Horticultural Lighting Program includes tools and resources to enable widespread adoption of energy-saving LED technology in the horticultural lighting industry. Starting in March 2021, DLC will require a UL 8800 Standard for Horticultural Lighting Equipment and Systems Safety Certification and they will not allow General Illumination approvals for this program. Over 50 companies have been certified to UL 8800 and are reported on the QPL.

UL can test to the required photobiological standards to support your horticultural safety certification, based on the IEC 62471 standard.



### Solid State Lighting

The DLC's Solid-State Lighting QPL has ongoing changes, with the intention to be responsive to the evolving SSL market and ensure that updates serve the needs and interests of utilities and industry stakeholders alike.

The QPL qualifies commercial LED luminaires, retrofit kits, linear replacement lamps, mogul screw-base replacements for HID lamps and four pin-base replacement lamps for CFLs, and there is also a premium certificate for higher efficiency products, with higher efficacy standards for projected lumen maintenance, glare control and color quality reporting.

UL has the capabilities to test to the latest DLC 5.0 and 5.1 requirements, including LM-79, LM-80, LM-84 and more, for both the regular and premium listing, and for indoor and outdoor lighting.



### Networked Lighting Controls Program (NLC)

The DLC's NLC program was recently launched to enable the adoption of networked lighting controls in commercial buildings. Although meeting cybersecurity criteria is not currently a requirement, that will change in February 2022 when any system without a rating will be removed from the QPL list.

In order to get ahead of the upcoming requirement, UL recently announced a new UL DLC QPL Cybersecurity Qualification solution that is a rapid, low-cost evaluation process in the form of an initial product assessment and letter of attestation, followed by annual renewal through UL.

Testing is based on a risk assessment of components in the controls system. Based on a baseline approach and industry best practices for IoT security, this solution qualifies the system and any other systems that also contain qualified components. The letter of attestation from UL will be accepted as confirmation from the DLC for their cybersecurity requirement, which creates a unique marketing message for prospects considering your system.

Contact us at [lightinginfo@UL.com](mailto:lightinginfo@UL.com) for a quote and to start assessment of your product. We can efficiently help you prepare for the upcoming DLC requirements.



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