

Energy efficient solutions for horticultural luminaires



UL conducts testing for technical requirements

UL helps manufacturers register their efficient, reliable lighting products that meet the new requirements of the Qualified Product Lists (QPL) of the DesignLights Consortium (DLC).

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 and procurement programs. The benefits of a DLC listing can make a lasting difference, and UL can help you achieve it.

Manufacturers or distributors interested in selling to this market should be aware of the importance of inclusion on the DLC's Qualified Product Lists (QPL).

- Professional designers, utilities, retailers and lighting systems users use the QPL to choose and verify horticultural lighting products.
- Being listed on the Horticultural QPL makes your products more transparent and accessible to specifiers, designers, contractors and end users.
- The QPL is searchable by manufacturer, product, listing status, technical requirement, product function and category.
- The requirements for the QPL are regularly updated to support market need.

Staying up to date with the DLC's requirements also helps you to stay ahead of regulatory developments and potential security liabilities. We can help you navigate the family groupings from the DLC guidelines, saving you time and money, and can provide the independent third-party testing that is the key to eligibility. We have laboratories recognized by the U.S. Environmental Protection Agency (EPA) required for manufacturers to apply for DLC performance and quality recognition.



Horticultural lighting requirements

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 horticultural incentives programs, tools and resources enables widespread adoption of energy-saving technology. The product list is available at www.designlights.org.

Horticultural Requirements V2.0



Starting in March 2021, the DLC requires a UL 8800 Safety Certification, and they will not allow general illumination approvals for this program. Over 50 companies have already been certified to UL 8800 and are reported on the QPL.

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

Horticultural Requirements V2.1



Starting in July 2021, the DLC will expand eligibility for three additional horticultural product types including DC-powered fixtures, externally supplied actively cooled horticultural fixtures and LED replacement lamps.

As part of the inclusion of these products to its Horticultural Lighting Program, the DLC provides clear definitions, performance criteria and test requirements to ensure high quality and energy efficiency. We can test to these requirements and, as more products are qualified on the DLC QPL, the market will grow for energy efficient solutions in horticultural applications.

Networked Lighting Controls program (NLC)



The DLC's NLC program was recently launched to enable the adoption of networked lighting controls in commercial buildings and could include horticultural systems. 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, we recently announced a new UL DLC QPL Cybersecurity Qualification solution. It's a rapid, low-cost evaluation process in the form of an initial product assessment and letter of attestation, followed by annual renewal through UL.

Contact us for a quote and to discuss with our regional team what is needed to start assessment of your product.

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