

# Energy efficient solutions for horticultural luminaires



## UL Solutions conducts testing for technical requirements

UL Solutions 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 Solutions 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](http://www.designlights.org).



### Previous versions of the Horticultural Program

In March of 2021, the V2.0 requirement added UL 8800 Safety Certification. In July of 2021, the V2.1 requirement expanded eligibility to three additional horticultural product types (DC powered fixtures, externally supplied actively cooled horticultural fixtures, and LED replacement lamps).



### Horticultural Requirements V3.0

Announced in November of 2022 and effective in March of 2023, the V3.0 requirement introduces an updated efficacy requirement and additional reporting requirements to further support and accelerate the adoption of energy efficient lighting and controls in controlled environment for agriculture.

In addition to the increased efficacy requirement for photosynthetic photon efficacy (PPE), more product level information will be required for reporting, and the DLC has implemented a surveillance testing policy to monitor the validity of data and reported information. Contact UL Solutions to prepare for submissions under V3.0, or to update your listings to meet the new requirements.

**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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