



CEA Member Spotlight

November 9, 2021

• Date



The DLC is a non-profit organization whose mission is to achieve energy optimization by enabling controllability with a focus on quality, people, and the environment.

Energy Efficiency.

Climate Impact.

Better Lighting.



Non-profit
organization



Creates
performance
specifications



Provides
tools,
information,
& expertise



Optimize
energy use in
commercial
spaces

DLC Members

The DLC is supported and funded by Member energy efficiency programs and regional energy efficiency organizations throughout the U.S. and Canada



DLC Members



Energy

Improve efficiency and integrate lighting into Smart Building technologies, achieving dramatic energy savings



Quality

Research, promote, and enable standards for quality to ensure that people are happy with their lighting

Controllability

Enable connectivity of the built environment to optimize quality and energy benefits.

The DLC carefully evaluates every initiative for its impact on industry, environment, and end-users.





Current DLC Programs (QPLs)

SSL Program

Goal:

- Provide high performance, third party tested, DLC verified product options for LED lighting in commercial buildings and environments

Performance Requirements include:

- Efficacy
- Color quality
- Distribution and glare
- Controllability
- Safety & Warranty



70%
increase in average
efficacy of qualified
SSL products since
beginning the
program in 2011

[FIND PRODUCTS](#) →

85
unique categories of
LED lighting qualified
by the DLC

[ELIGIBLE PRODUCTS](#) →

NLC Program

Goal:

- Widespread adoption of networked lighting controls in commercial buildings, working as a catalyst to grid flexibility and load management

Performance Requirements include:

- Networking capability
- Continuous dimming
- Occupancy, Daylight, High-end trim
- Cybersecurity



47

DLC qualified energy efficient controls systems available to compare and install

[FIND A SYSTEM →](#)

34

unique lighting controls manufacturers represented on the NLC QPL

[QUALIFY A SYSTEM →](#)

Hort Program



>54%

increase in listed fixtures on the Hort QPL since the start of 2020 – meaning more product variety and savings

[FIND QUALIFIED PRODUCTS](#) →

\$240 million

total possible annual energy savings if horticultural facilities switch to LED lighting

Goal:

- Widespread adoption of energy-saving LED technology in the horticultural lighting sector

Program Requirements include:

- Photosynthetic photon efficacy
- Photon flux maintenance
- Driver lifetime
- Safety & Warranty

LUNA Program

Goals:

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

Program Requirements include:

- Uplight thresholds
- Limited CCT range
- Controllability requirements



Light pollution unnecessarily contributes to climate change.



The sky glow of Los Angeles is visible from an airplane 200 miles away.

Coming in December 2021!

Thank you

For more information visit our website

www.designlights.org

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