



Program Overview and Membership Information



CALENDAR YEAR 2025

FROM THE EXECUTIVE DIRECTOR

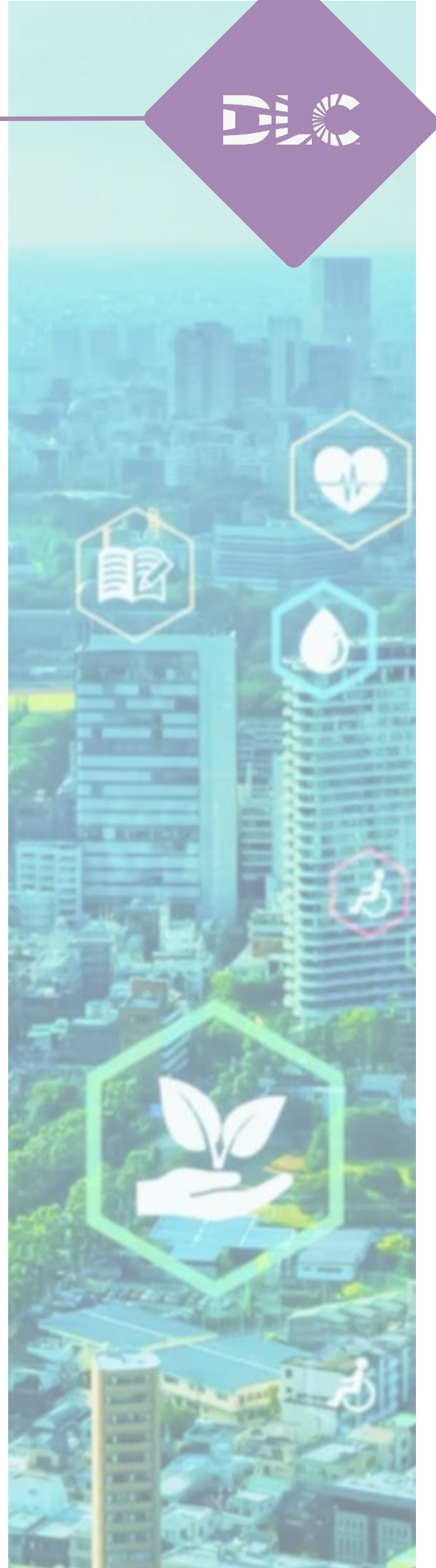
An electrified future requires advanced technologies and energy efficiency strategies. Policies and programs are driving energy savings, load management, and decarbonization activities. The DLC is committed to understanding our members' and stakeholders' needs, collaborating to find the most impactful solutions, and meeting the needs of these new opportunities for progress.

In 2025, our top priority will be identifying strategies to deploy integrated lighting that address the various barriers to adoption. We will work with efficiency programs to promote best practices for TRMs and to get LLLC systems installed in small and medium-sized buildings. This year, we are also initiating a program planning group to provide our utility members with opportunities to collaborate closely with and learn from each other. Through this effort, we are committed to systematically identifying solutions, addressing critical gaps, and establishing the foundational steps required to advance market transformation.

We will also continue our work to mitigate wasted light at night and protect the night sky through our LUNA program by developing strategies to ensure that our resources support municipalities and governments in their policy commitments to outdoor lighting.

On behalf of the DLC, thank you for your continued support of this consortium and our mission. Your commitment and collaboration drive our progress and advance our shared goals. We look forward to the continued success we will achieve together.

Sincerely,



VISION, MISSION, AND VALUES

The DLC's vision and mission account for the rapid evolution of the lighting, building, and energy industries, and reflect the increasing urgency of the climate crisis.

VISION

We envision a net-zero future where lighting, controls, and integrated building systems enable energy savings, decarbonization, and sustainability for all people and the environment.



MISSION

As an independent nonprofit organization, the DLC provides decision makers with data and resources on quality lighting, controls, and integrated building systems to reduce energy, carbon, and light pollution.

VALUES

Integrity: We are dedicated to the work we do and are committed to honesty, transparency, and environmental stewardship.

Collaboration: The input of our stakeholders is paramount. We diligently pursue opportunities for cooperation and comprehensive feedback.

Impact: We hold ourselves accountable for the outcomes of our work and actively pursue opportunities that best support our environmental mission.

Diversity: We are committed to inclusion, representation, and a voice for all those affected by our work.



2025 PROGRAM PLANS

Maximize Energy Efficiency Opportunities in Lighting

Goal: Adapt to changing markets with new technologies while improving the QPL user experience.

Controlled, connected lighting solutions remain the DLC's highest priority in 2025. Our planned activities for each of our program platforms reflect the urgency of overcoming the barriers to adoption of the technology and the importance of finding solutions that address DLC member needs.

Planned Activities:

- Drive efficacy gains in listed LED products through the development and release of the SSL V6.0 Technical Requirements.
- Advance the compatibility of listed LED and NLC products by linking key data points between the two QPLs.
- Increase our impact in the horticultural lighting industry by taking steps to include controls on the Hort QPL.
- Better serve municipal customers' needs by updating the LUNA Technical Requirements and expanding the LUNA QPL, including developing new eligibility pathways for non-white light sources.
- Make our QPLs easier to use through new tools and functionality improvements.





2025 PROGRAM PLANS

Catalyze the Adoption of Connected Lighting

Goal: Deploy networked and connected lighting at scale in buildings across North America.

The DLC's focus for connected lighting in 2025 will be to find effective strategies for deploying connected lighting and overcoming the multiple barriers to adoption in buildings of all sizes. For small and medium buildings, this will require simplifying product selection to enable midstream offers. For large buildings, installing integrated lighting solutions successfully is a complex problem that requires the cooperation and commitment of multiple groups with competing priorities. At the same time, it represents a major opportunity for decarbonization. NLC and HVAC integration provides a cost-effective way to achieve whole-building energy savings of over 20%.

Planned Activities:

- Improve product selection functionality between the SSL and NLC QPLs to allow for easier connected lighting system (LED + controls) product identification for contractors and trade allies, resulting in more NLC opportunities in both large and small buildings.
- Facilitate a new, member-exclusive program planning working group for members to share challenges and test new concepts for energy efficiency program administrators.
- Provide members with a “how-to” guide on ways to assess and advance their programs to maximize savings via networked lighting controls. This guide will include examples of successful NLC programs and best practices that include building out trade ally networks and developing accurate measures for technical reference manuals that can be used to get NLC measures approved and into programs.
- For NLC projects in large buildings, we will publish and promote a collection of documents that enables successful lighting controls integration with HVAC and other building systems. These resources are intended to inform building operators and decision makers and promote collaboration between various trade professionals to help integration projects move forward successfully.
- For NLC projects in small and medium-sized buildings, we will identify development requirements that validate energy savings to support a midstream luminaire level lighting controls (LLLC) incentive program.

2025 PROGRAM PLANS

Grow our Impact in Controlled Environment Agriculture

Goal: Increase the adoption of LED lighting and controls in horticultural controlled environment agriculture (CEA).

As the LED market for cannabis continues to grow, the DLC team will pursue strategies to integrate CEA controls, establishing the horticulture program as a leading force and positioning the QPL as the industry's primary resource for trusted product information.

Planned Activities:

- Begin accepting applications under Horticultural Lighting Technical Requirements V4.0, which represents an efficacy increase of 8.7%.
- Establish a CEA Advisory Group to support research into horticultural lighting controls opportunities.
- Continue developing the market strategy for CEA controls to define opportunities for increased energy savings via system integration.



2025 PROGRAM PLANS

LUNA and Light Pollution Mitigation

Goal: Capture energy savings from exterior lighting projects and interior controls while providing more options for customers with light pollution concerns and policies.

In 2025, the DLC will expand the LUNA QPL and develop strategies to collaborate with building operators, municipalities, and local governments to achieve their outdoor lighting goals.

Planned Activities:

- Increase LUNA QPL listings, helping members to provide their customers with more and better energy efficient outdoor lighting solutions.
- Develop technical requirements for low-CCT and amber outdoor LED products to help our members comply with local ordinances while maintaining energy savings targets.
- Establish a LUNA Advisory Group to maximize the effectiveness of our strategies to reduce the impact of light pollution.
- Promote partnerships and pilot programs with ecological stakeholders.
- Provide support for government agencies to help access and utilize resources.



MEMBERSHIP BENEFITS

Centralized Data and Qualified Products Lists

- ▶ Unlimited access to and downloads of the world's largest verified list of high-performing commercial lighting and control products.
- ▶ Free API connection for real time data exchange and updates.
- ▶ Exclusive first access to Technical Requirements revisions and timely alerts on delisted items.
- ▶ Assurance that the products you incentivize are rigorously tested and verified.
- ▶ Surveillance and logo compliance programs to protect the integrity of listed products.
- ▶ A dedicated team of DLC experts that collaborate with manufacturers, process hundreds of product applications per month, conduct comprehensive product evaluations, and keep a finger on the pulse of the lighting industry - saving you valuable time and resources.



Data Analysis Tools

- ▶ **QPL Analysis Tool:** Provides product data and baselines assumptions for savings calculations.
- ▶ **QPL Dashboard:** Data on growth trends, efficacy trends, new products, manufacturers, etc.
- ▶ **LED Cost Effectiveness Analysis Tool:** Helps evaluate customer economics and utility rebate costs when replacing early generation LEDs.

Expertise

- ▶ Direct access to technical experts dedicated to engaging with members and stakeholders, gathering valuable insights, and conducting market analysis to shape and enhance current standards and technical requirements.



Resources

- ▶ Access an exclusive member dashboard that will help you communicate important lighting topics to customers and trade allies, featuring objective technical research, whitepapers, case studies, on-demand webinars and meetings, articles by the DLC in external publications, monthly newsletters, and more.
- ▶ **NEW!** “How-to” guide to help member programs create effective strategies for pathways to connected lighting and coaching opportunities.
- ▶ **NEW!** Resources for NLC-HVAC integration and webinars to promote use by efficiency consultants.
- ▶ **NEW!** TRM best practices for NLC, LLLC and NLC-HVAC integration in EE programs.
- ▶ **NEW!** Member management system with member networking features.



Pilot Programs

- ▶ Participate in DLC pilot programs and be ahead of market transformation. Our current pilot is exploring strategies to facilitate the installation of lighting controls in small-to-medium-sized buildings, which can result in up to 49% more energy savings when incorporated into an LED retrofit.



Committees and Events

- ▶ Participate in DLC committees and working groups, contribute to solution development, shape DLC strategy, and guide new policy direction.
- ▶ Bi-monthly member meetings so you can stay up to date with DLC activities.
- ▶ One-on-one meeting opportunities with any DLC staff.
- ▶ Waived registration fees for all in-person events, including annual Summits.
- ▶ **NEW!** Program Planning Working Group
- ▶ **NEW!** LUNA Advisory Group

2024 CONSORTIUM ACTIVITIES

Thanks to your support and participation in 2024, look what we've accomplished:

New analysis tools:

- An LED Cost Effectiveness Analysis Tool valid through 2034.
- Research on lighting controls measures in technical reference manuals in 36 states.

Resources to support connected lighting:

- "How-to" guide for pathways to connected lighting (to be published in 2025).
- Set of resources for NLC-HVAC integration (to be published in 2025).
- Standardized NLC configuration reports to streamline NLC savings calculations; soon to be published as ANSI C137.
- NLC-Local project installation report pilot with member programs.
- A lighting control strategies best practices guide to help members and installers implement basic lighting control strategies.

Horticultural lighting program:

- Transitioned the Hort QPL to Technical Requirements V3.0, an efficacy increase of 21%.
- Hort QPL increased to over 1100 listings from more than 130 manufacturers.
- Launched the Horticultural QPL API.

LUNA and light pollution mitigation:

- Interactive lighting ordinance map that displays light pollution regulations across the US and Canada.
- Whitepaper that demonstrates how reducing light pollution contributes to energy savings.
- U.S. General Service Administration (GSA) requires LUNA in their 2024 P100 Facilities Standards for the Public Buildings service.



Events and outreach:

- A [2024 Controls Summit](#) in Milwaukee to collaborate on solutions to optimize savings by integrating lighting controls with other building systems.
- Hosted the “Choosing both Energy Efficiency & Light Pollution Mitigation for Commercial Outdoor Lighting” [webinar](#).
- [Presented](#) at ACEEE Summer Study on Energy Efficiency in Buildings.
- Speaker at the Iowa Energy Summit, presenting the NLC-Local initiative and tools.
- Speaker at Electric Utility Consultants Inc (EUCI) Light Pollution, Energy Savings and Other Scientific Insights.
- Speaker at GAL IALD Germany, presenting LUNA and amber standards progress.
- Speaker at Canada Light Talks.

External committees:

The DLC participates in external committees to provide expertise on the creation of industry standards, ordinances, and regulations that support energy efficiency lighting and controls programs to represent the interest of our members:

- NLC-HVAC Integration Advisory Group
- Eight Illuminating Engineering Society committees
- American Society of Agricultural and Biological Engineers – Energy Systems Agricultural Lighting Group
- National Electrical Manufacturers Association (NEMA) C137 Lighting Systems Committee and NEMA/ANSI C78 Committee
- Resource Innovation Institute (RII) Technical Advisory Council
- Smart EPD Luminaires PCR Committee
- National Council on Qualifications for Lighting Professionals
- Dark Sky annual meeting



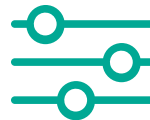
300k

SSL V5.1
products
qualified



1066

Hort V3.0
products
qualified



23%

Increase in
listed NLC
systems



77%

Increase in
listed LUNA
products

THANK YOU TO OUR MEMBERS





MEMBERSHIP VALUE AND COST SAVINGS

DLC Membership not only grants you access to valuable resources and programs, but also offers substantial savings. Membership fees are essential in supporting the DLC’s operations, including advancing the SSL, Hort, NLC, and LUNA programs; maintaining and updating all three Qualified Products Lists; and developing critical technical resources to enhance commercial lighting rebate programs. These contributions provide access to tools and resources that streamline the administration of rebate programs, saving you valuable time, money, and resources. The following expenses are crucial to sustaining the QPL and its associated resources, and if developed and maintained independently, would require significant investment:

DLC Tools, Resources, and Member Services Provided	Estimated Annual Value
Development of and updates to Technical Requirements	\$1,000,000
Independent product performance evaluation of SSL, NLC, Hort, and LUNA product applications	\$3,600,000
Ongoing maintenance of the DLC’s SSL, NLC, and Hort QPLs	\$300,000
Unlimited QPL download access and API access to full SSL product data	\$10,000
Exclusive tools and resources developed to support member programs	\$100,000
TOTAL ESTIMATED VALUE OF SERVICES	\$5,000,000+

With DLC membership, you gain access to these comprehensive resources, collectively funded and maintained for the benefit of all members, empowering you to focus on efficient program administration without the financial and operational burden of developing these tools independently.



MEMBERSHIP FEE STRUCTURE

DLC membership fees are calculated with affordability and fairness in mind, ensuring that all members, regardless of budget size, can access our comprehensive range of resources.

The full membership fee is calculated at a rate of **\$0.50 per \$1,000** of the **commercial & industrial (C&I) budget**, with a maximum cap of **\$50,000 per company**.

- **Individual Utility Energy Efficiency Programs:** The \$50,000 maximum fee cap applies to individual programs, ensuring cost-effective access to DLC resources.
- **Regional Organizations with Multiple Programs:** Fees for regional organizations representing multiple energy efficiency programs are calculated per program or reviewed on a case-by-case basis.

The structure ensures that all members benefit from cost effective access to critical tools and resources without exceeding budget limitations enabling you to leverage DLC's robust support for commercial lighting rebate programs affordably.

JOIN US

Whether you are a new member or looking to continue your membership with the DLC, follow these three easy steps to join us.

1. Designate a main point of contact for your program.
2. Complete the DLC Member Commitment Form, providing your commercial & industrial budget to calculate your member fee.
3. List all individuals involved with your commercial lighting programs and invite them to create a MyDLC account, which provides access to:
 - Updates
 - Member exclusive tools and resources
 - The opportunity to provide input and comments on draft policies
 - The opportunity to participate in DLC meetings, webinars, events, and more.

Have questions on any of the 2025 program plans or membership information?

Contact Karla Winter at kwinter@designlights.org.