



Energy · Quality · ControllabilitySM

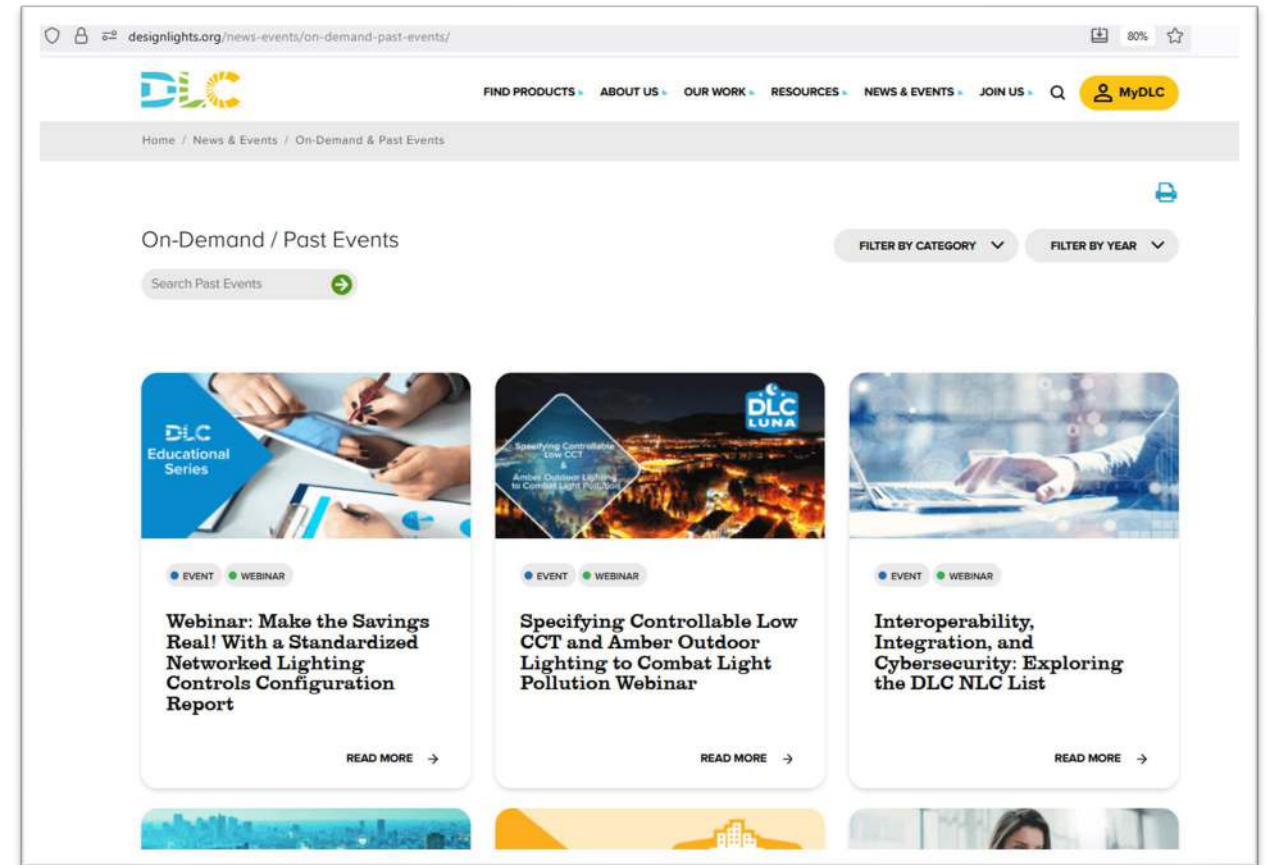
NLC V5.2 Draft 1 Technical Requirements

April 8, 2026

designlights.org

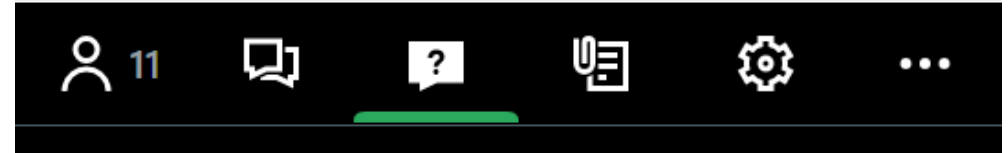
Welcome!

- **Slides and recorded webinar will be posted** on the *DLC News & Events* page at <https://designlights.org> shortly after today's presentation
- All attendees are automatically muted



Webinar Orientation

- **Questions will be held until the end during a live Q&A**
 - Use the Question pane (not Chat) to submit for Q&A





The DesignLights Consortium is an independent, nonprofit organization providing decision makers with data and resources on quality lighting, controls, and integrated building systems to reduce energy, carbon, and light pollution.



Agenda

Welcome, Introductions & Agenda Review

NLC V5.2 Updates

- NLC Thermostats
- ANSI C137.9 Configuration Reporting

Requirements Reorganization

DLC Summit

Review

- Timeline
- Submitting Comments

Q&A

Presenters



Levin Nock
Senior Technical Manager



Jason Jeunnette
Technical Manager



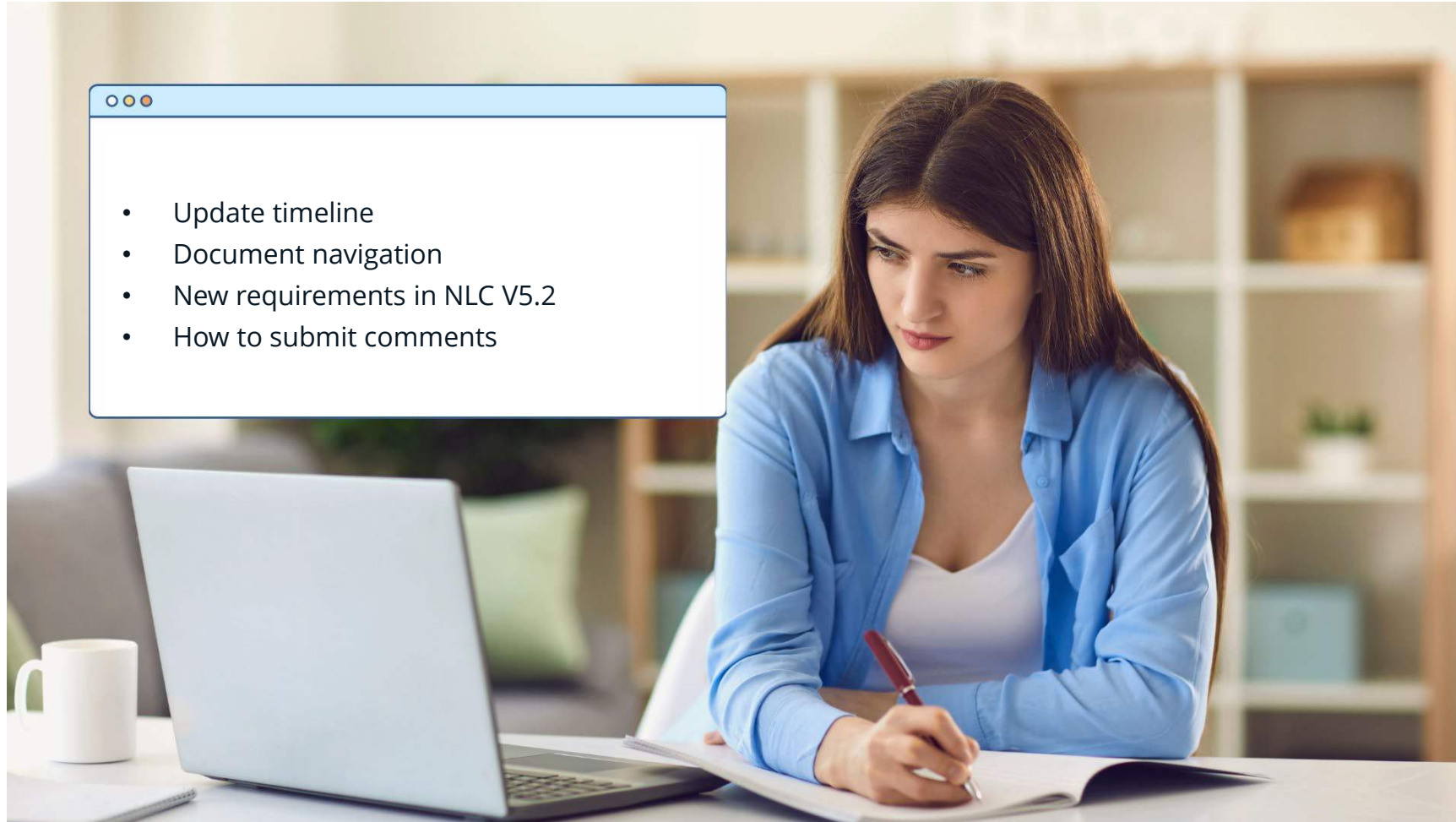
Bagwat Mohan
Senior Technical Operations



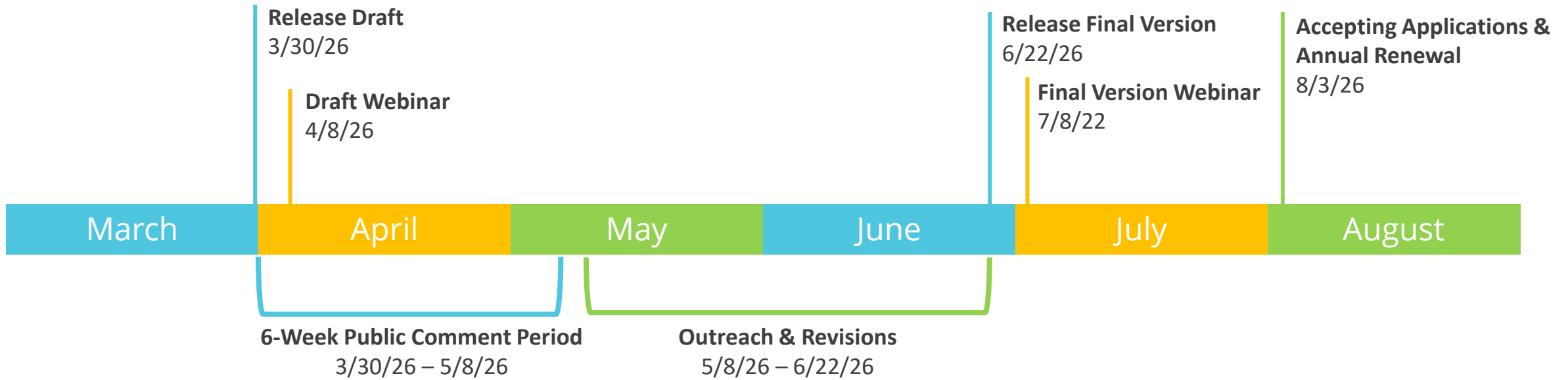
Andrew Antares
Project Manger



Webinar Objectives



NLC5.2 Update Timeline



A photograph of a modern office building at night, viewed through a grid of glass windows. The interior lights are on, revealing office desks, chairs, and some people working. A large, white, arrow-shaped graphic with a yellow border points from the left side of the image towards the right, partially overlapping the building's facade.

NLC Thermostats

Future of Commercial Lighting Programs



Declining

- TLEDs
- Simple LED retrofits



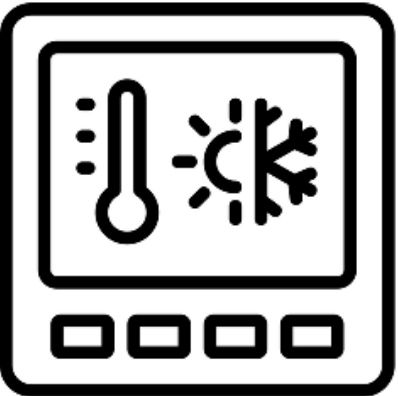
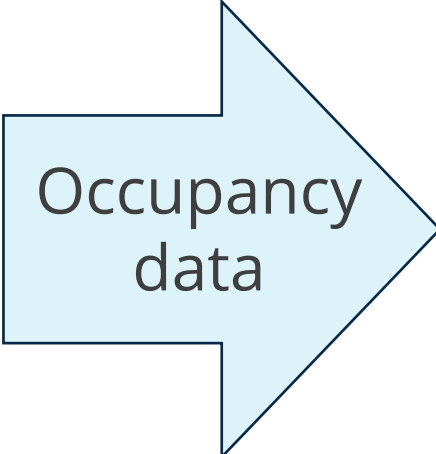
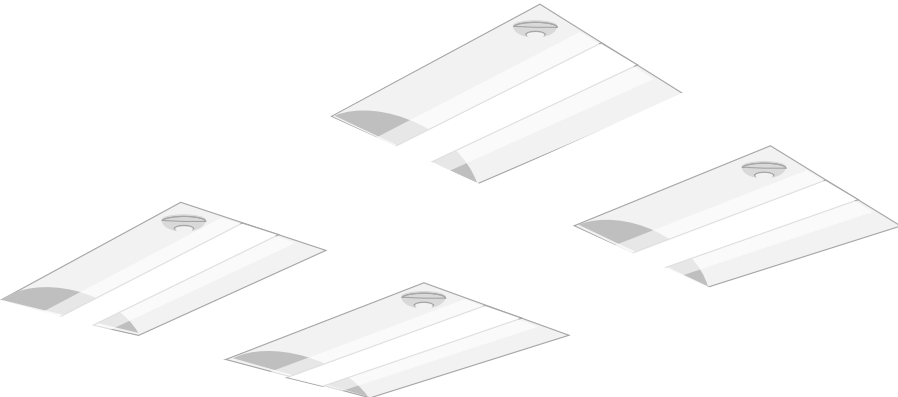
Growing

- LLLC
- Integration with HVAC controls

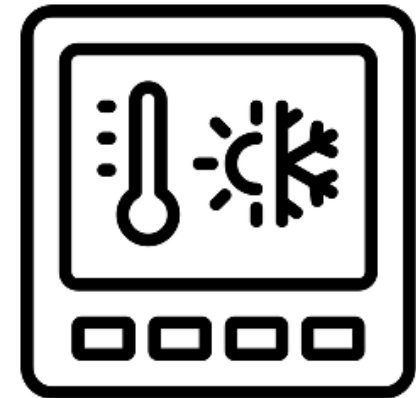
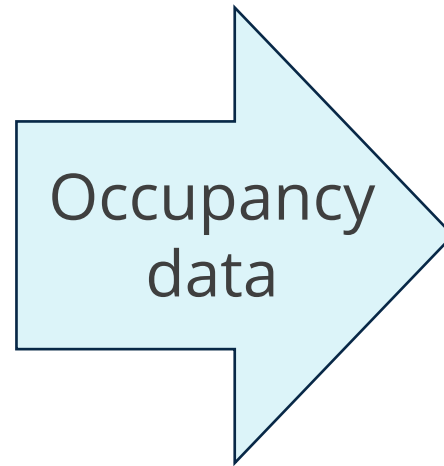
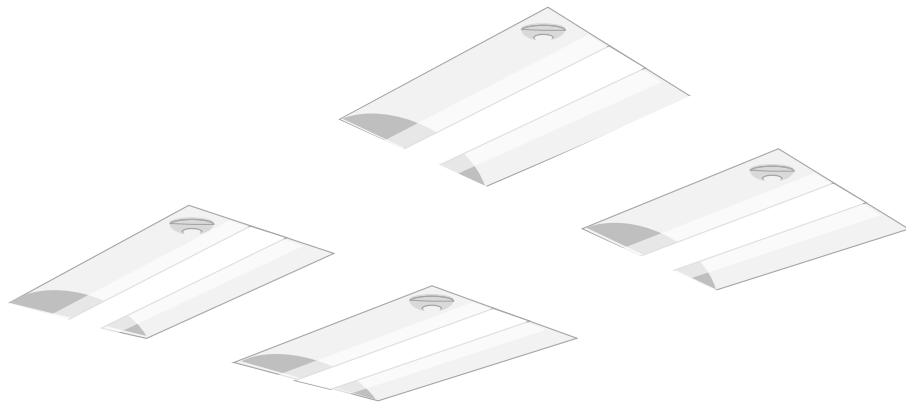
LLLC occupancy sensors

can inform

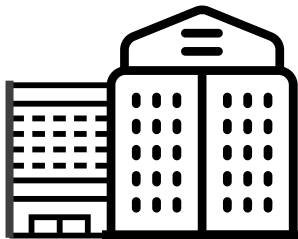
thermostats or BAS



Occupied Standby Mode

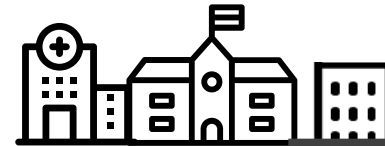


Occupied Standby Mode



Large Buildings BAS

50% of commercial square footage,
6% of buildings



Smaller Buildings Hardwired Dry Contact Digital Thermostats

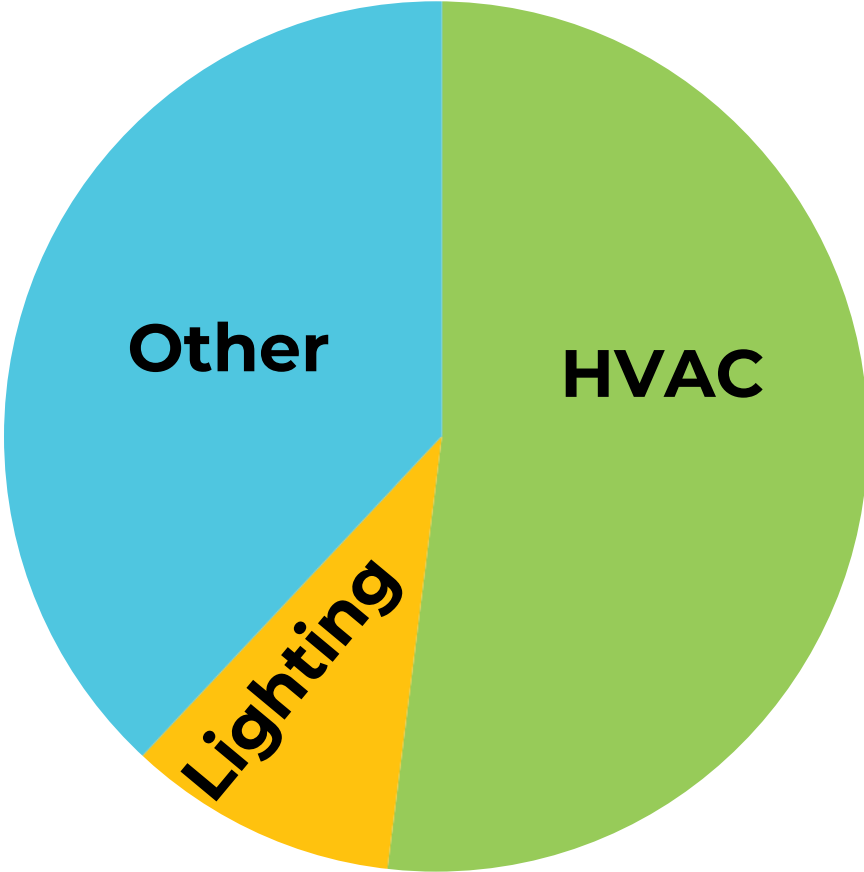
50% of commercial square footage,
94% of buildings

50,000 ft² threshold applied to <https://www.eia.gov/consumption/commercial/> (CBECS 2018)

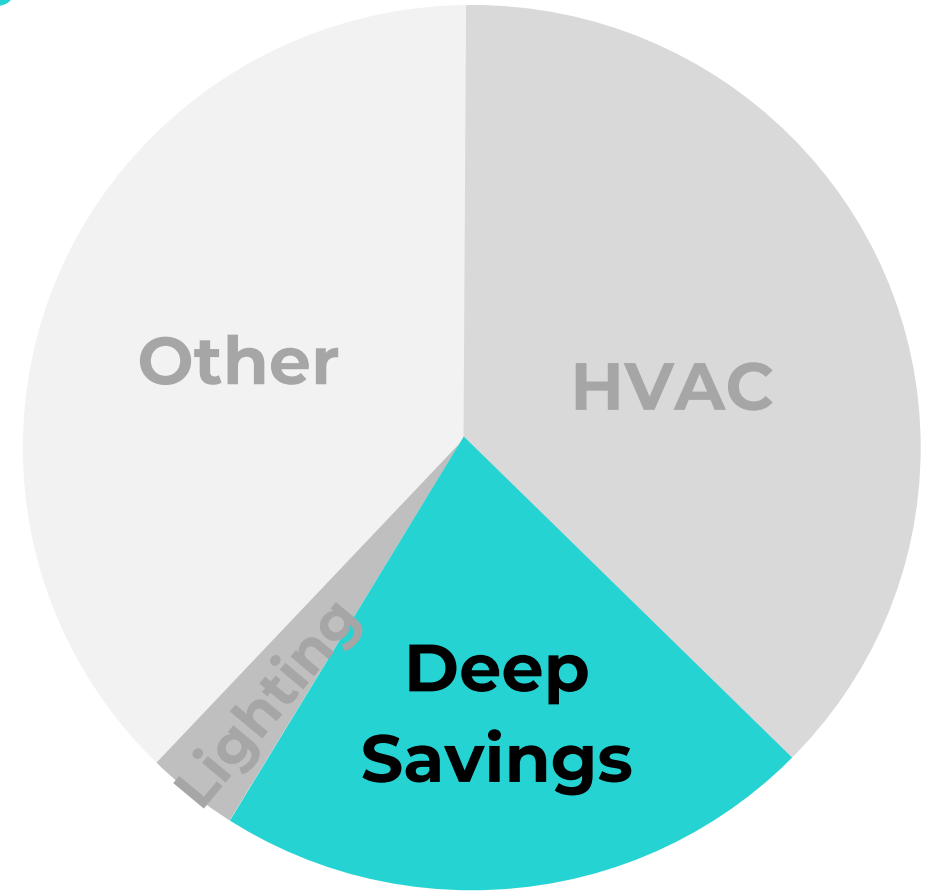
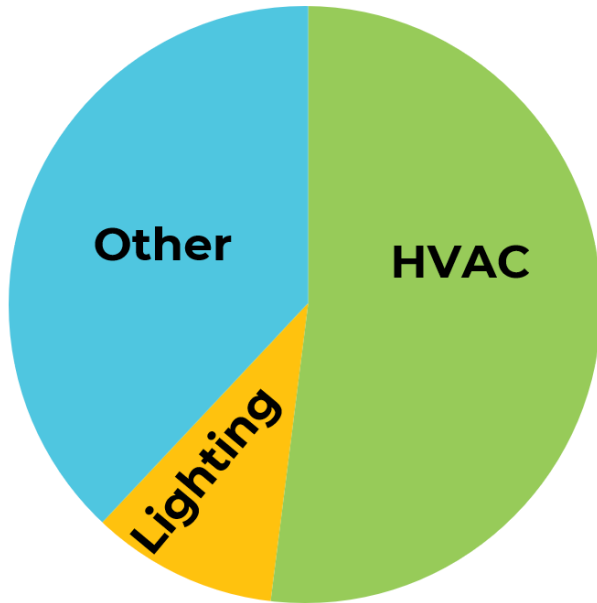
Energy use in commercial buildings in 2018

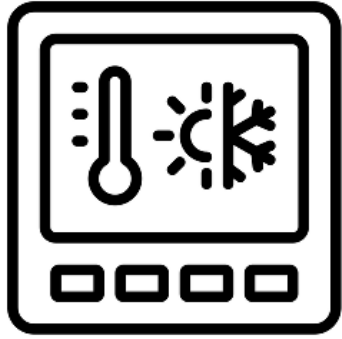
	HVAC	52%
	Lighting	10%
	Other	38%

CBECS (Commercial Buildings Energy Consumption Survey), US EIA, 2022

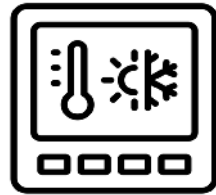


Deep savings in suitable buildings





**NLC-Integrated Thermostats
on the
NLC Qualified Products List**

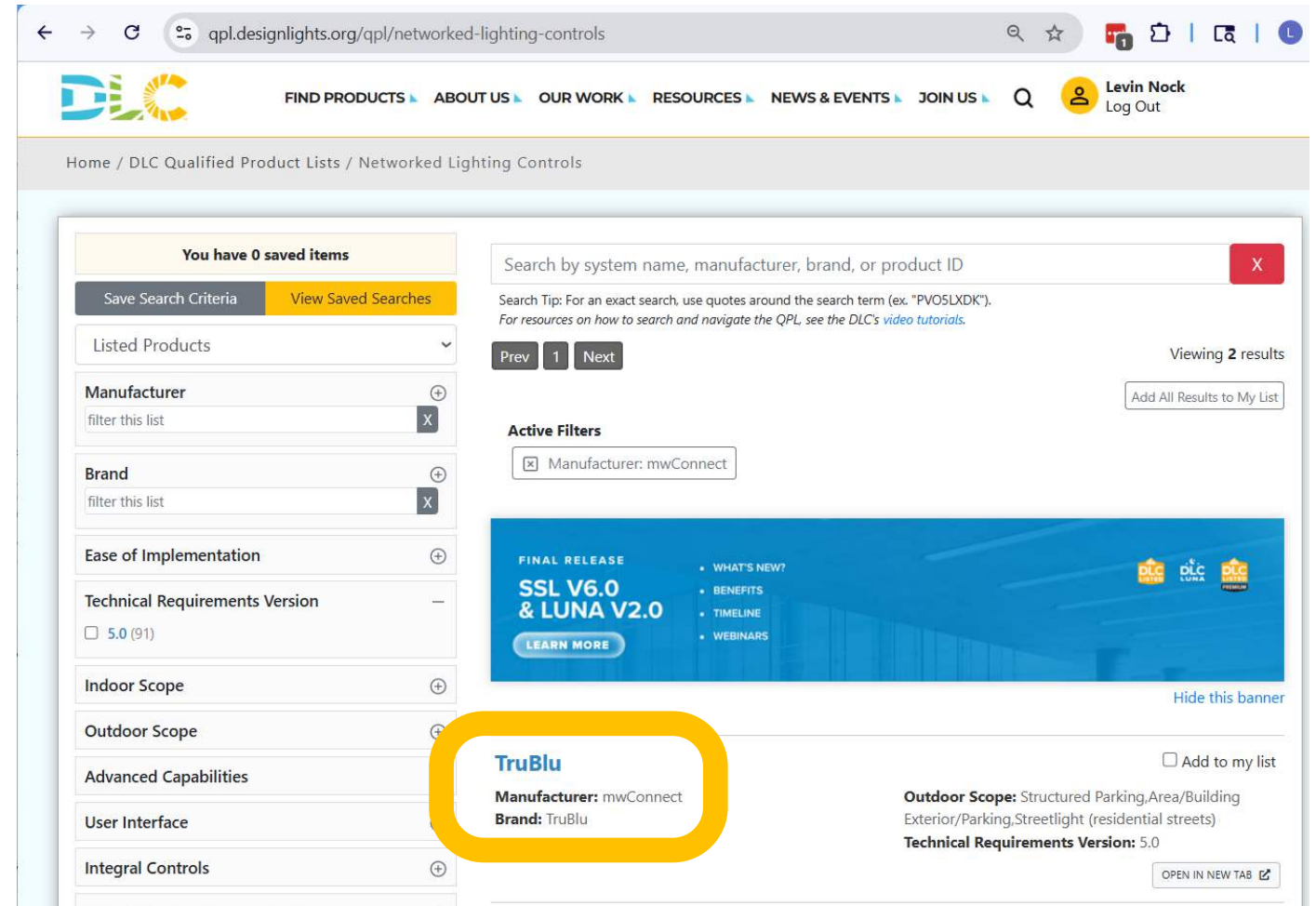


Why add NLC-integrated thermostats to the DLC QPL?

1. Match Thermostat with LLLC Luminaire confidently
 - Control system and thermostat on NLC QPL; luminaire on SSL QPL
2. Support incentives that already exist
3. Collect data to develop new incentives
4. Deeper energy savings from retrofit projects in appropriate buildings


Aspect of NLC system on NLC QPL; not a separate thermostat list.

- At least for now

A screenshot of the website qpl.designlights.org/qpl/networked-lighting-controls. The page shows a search interface with filters on the left and search results on the right. The search criteria include Manufacturer (mwConnect), Brand (TruBlu), and Technical Requirements Version (5.0). The search results show a product named "TruBlu" with manufacturer "mwConnect" and brand "TruBlu". The product details include "Outdoor Scope: Structured Parking,Area/Building Exterior/Parking,Streetlight (residential streets)" and "Technical Requirements Version: 5.0". A yellow circle highlights the product name "TruBlu" in the search results. The page also features a banner for "FINAL RELEASE SSL V6.0 & LUNA V2.0" and a navigation menu at the top.

NLC QPL pop-up window for one system

Product ID: N-NLEMXR



TruBlu

Manufacturer: mwConnect
Scope: Outdoor
Scale: Area/Building Exterior/Parking, Garage, Streetlight
Technical Requirements Version: 5

PRODUCT OVERVIEW	
Manufacturer	mwConnect
Product Website	View Website
QPL	Networked Lighting Controls
Product ID	N-NLEMXR
Listing Status	Listed
Date Qualified	2025-12-02
Product Case Studies	View Website



SUMMARY	
✓ Networking	✓ Occupancy Sensing
✗ Traffic Sensing	✓ Daylight Harvesting
✓ High-End Trim	✓ Zoning
✓ Individual Luminaire Addressability	✓ Continuous Dimming
✓ Control Persistence	✓ Scheduling
✓ Energy Monitoring	✓ Remote Diagnostics
✓ User Interface	✓ Luminaire Level Lighting Control (LLLC)
✗ Personal Control	✓ External Systems Integration
✗ Plug Load Control	✓ Scene Control
✗ Emergency Lighting	
✓ Color Changing/Tuning	

NLC QPL

External Systems Integration details for one system

INTEROPERABILITY

External Systems Integration

Has External systems integration 	Yes
Has API 	Yes

[New thermostat info here]

Thermostat filter(?)

The screenshot shows a web browser at the URL qpl.designlights.org/qpl/networked-lighting-controls. The page features a navigation bar with the DLC logo and menu items: FIND PRODUCTS, ABOUT US, OUR WORK, RESOURCES, NEWS & EVENTS, and JOIN US. A user profile for Levin Nock is visible in the top right corner.

The main content area is titled "Home / DLC Qualified Product Lists / Networked Lighting Controls". On the left, a sidebar contains filter categories: "Listed Products", "Manufacturer" (with a "filter this list" button), "Brand" (with a "filter this list" button), "Ease of Implementation", "Technical Requirements Version" (with a checkbox for "5.0 (91)"), "Indoor Scope", "Outdoor Scope", and "Integrated Thermostat" (highlighted in red). Above the filters, it states "You have 0 saved items" and provides buttons for "Save Search Criteria" and "View Saved Searches".

The main search area includes a search bar with the placeholder text "Search by system name, manufacturer, brand, or product ID" and a search tip: "Search Tip: For an exact search, use quotes around the search term (ex. 'PV05LXDK'). For resources on how to search and navigate the QPL, see the DLC's video tutorials." Below the search bar are "Prev", "1", and "Next" navigation buttons. On the right, it indicates "Viewing 2 results" and includes a button to "Add All Results to My List".

An "Active Filters" section shows "Manufacturer: mwConnect" with a close button. Below this is a blue banner for "FINAL RELEASE SSL V6.0 & LUNA V2.0" with a "LEARN MORE" button and a list of links: "WHAT'S NEW?", "BENEFITS", "TIMELINE", and "WEBINARS".

The product listing for "TruBlu" is shown with the manufacturer "mwConnect" and the outdoor scope "Structured Parking Area/Building". There is an "Add to my list" checkbox next to the product name.

New draft text in NLC Technical Requirements

NLC-integrated Thermostats

Thermostats are now available that can be easily integrated with an NLC system, to receive digital occupancy data from the NLC system. Within the External Systems Integration capability, the DLC recognizes NLC systems that support these thermostats, as shown in Table TH-1.

Thanks to Thermostat Working Group!

How to define “easily integrated?”

- Energy Efficiency Programs
- NLC and Lighting Manufacturers
- Thermostat Manufacturers
- Others
 - Standards Bodies
 - Integration Software Provider
 - Distributor/ESCO



	Table TH-1 Rows 2-5 Meaning of “easily integrated”	Acceptable Answer(s)
	Does the thermostat receive and respond to digital occupied/unoccupied data by changing temperature setpoints and fan control?	Yes
	Can thermostat-NLC integration be configured by GUI, without writing code?	Yes
	Can the thermostat be configured by GUI to subscribe to occupancy data from multiple occupancy sensors?	Yes
	Can the GUI display zones for lighting and for HVAC together, overlaid on a single floorplan?	Yes



Row	Table TH-1 Rows 1, 6-13 Product info on QPL	Acceptable Answer(s)
1	Name of the thermostat manufacturer, model name, and model number?	-
6	Can the thermostat receive data for partial occupancy, and respond appropriately? For example, a thermostat controls a space with 10 occupancy sensors, one of which currently indicates 'occupied'. This indicates 10% partial occupancy. Can the thermostat respond differently, versus data indicating complete vacancy or full occupancy?	Yes or No
7	Does lighting-thermostat integration require a gateway?	Yes or No
8	Can lighting and thermostat be scheduled together on one GUI display, with offset(s) for thermal inertia?	Yes or No
9	Are the primary thermostat terminal designations RGYW?	Yes or No
10	In addition to digital occupancy data, can the thermostat also accept 24VAC wired occupancy input?	Yes or No
11	What digital protocol(s) is used to transfer occupancy data? Bluetooth NLC, EnOcean, Zigbee 3.0, Zigbee 4.0, other	choose all that apply
12	Besides occupancy, what additional data can the NLC transfer to the thermostat; configured by GUI without writing code? none, humidity, CO2, particulates, pressure, other	choose all that apply
13	What GUI type(s) are supported? mobile app, web browser, wallstation	choose all that apply

Key Question 1

Regarding Row 3 of Table TH-1 asks, “Can thermostat-NLC integration be configured by GUI, **without writing code**?”

Question: Is the current language “without writing code” sufficiently clear, or is there other language that could indicate this distinction in a more precise way without sacrificing brevity?

Key Question 2

Regarding Row 5 of **Table TH-1** asks, “Can the GUI display zones for lighting and for HVAC together, overlaid on a single floorplan?”

Question: Is the current language sufficiently clear, or is there a less prescriptive way to specify the desired result, that lighting and HVAC zones can be easily matched with a GUI, in a manner that can be unambiguously confirmed or denied?

Key Question 3 (Similar to Key Question 1)

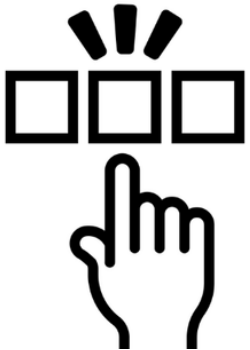
Regarding Row 12 of **Table TH-1** asks, “Besides occupancy, what additional data can the NLC transfer to the thermostat; configured by GUI **without writing code?**”

Question: Is the current language “without writing code” sufficiently clear, or is there other language that could indicate this distinction in a more precise way without sacrificing brevity?

NLC HVAC Integration Toolkit



Toolkit Goals



Choose appropriate projects



Collaborate better



Save energy

Five Toolkit Documents

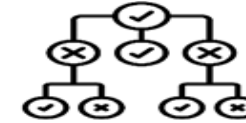
Handbook

PDF



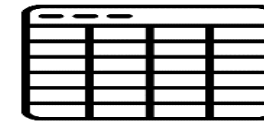
Decision Tree

PDF



Case Studies

Excel



Responsibility Matrix

Editable Excel

**WHAT?
?WHO!**

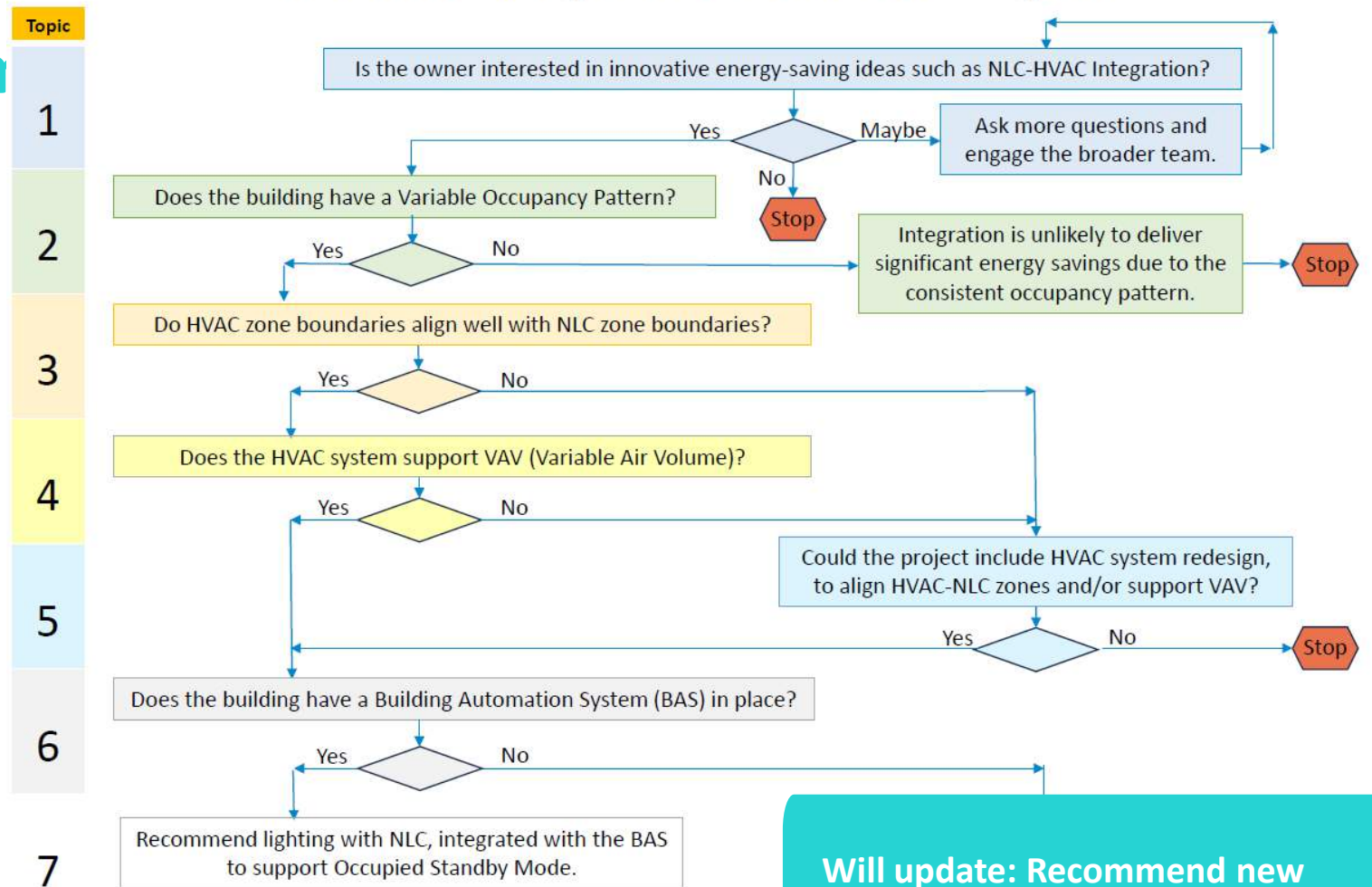
Project Template

Editable Word



Decision Tree Diagram

NLC-HVAC Integration Decision Tree Diagram



Will update: Recommend new thermostat networked with LLC

Decision Tree Detail Page for Each Topic

Topic 1: Is the Owner interested in innovative energy-saving ideas such as NLC-HVAC Integration?

- Issues to Explore:**
 - The owner may not know advice. Engage with broker.
- Clarifying Questions:**
 - Is there economic value?
 - Is there energy efficiency?
 - Are equity-based?
 - Is the building sub-value and might it be?
 - Is there integration value?
 - Are there code or other requirements?
 - Is there corporate or other requirements?
 - How long will this building last, unless the building is replaced?

Topic 2: Does the building have a Variable Occupancy Pattern?

- Issues to Explore:**
 - The building owner may not know engineering team to ask clarify.
- Clarifying Questions:**
 - How predictable is the occupancy from day to day? Are there some days when occupancy is predictably lower than occupancy base?
 - To rely on scheduling instead of schedules as needed over time? If lighting is used, proceed with become obsolete.
 - If the building has a Variable Occupancy Pattern, are there other ways to save energy from the HVAC energy savings from occupancy?

DLC NLC

Topic 3: Do HVAC Zone boundaries align well with NLC Zone boundaries?

- Issues to Explore:**
 - Lighting zones are often small each HVAC zone (making integration more difficult)?
 - This is typically a question that overlaps with the electrical integration.
- Clarifying Questions:**
 - If the Lighting and HVAC zone overlap issues? If yes, proceed.
 - Does the HVAC system have variable air volume?
 - If you're wondering how well HVAC Systems Integrate.

DLC

Topic 4: Does the HVAC system support VAV (Variable Air Volume)?

- Issues to explore:**
 - This question matters to everyone. Integration project will probably not be successful.
- Background:**
 - Variable Air Volume describes a fan speed depending on how much ventilation is needed. A VAV box that attaches to a fan speed. VAV systems are not as common as VAV systems. VAV systems are not as common as VAV systems. VAV systems are not as common as VAV systems.

DLC NLC

Topic 5: Could the project include HVAC system redesign, to align HVAC-NLC zones and/or support VAV?

- Issues to Explore:**
 - For a new HVAC design and new HVAC systems, but the new HVAC system is not as common as VAV systems.
 - Multiple case studies of successful HVAC components to support VAV.
 - New HVAC systems such as mini-split systems.
 - When a new HVAC system and naming conventions and zoning be.

DLC NLC

Topic 6: Does the building have a Building Automation System (BAS) in place, or already planned?

- Issues to Explore:**
 - For retrofit construction, ask the owner.
 - For new construction, ask the MEF.
- Clarifying Questions:**
 - Does the building already have a BAS and connect it to the BAS, but the new BAS can potentially be integrated with the existing BAS?
 - Can the HVAC system be programmed from the NLC system?
 - Does the lighting vendor support BAS?

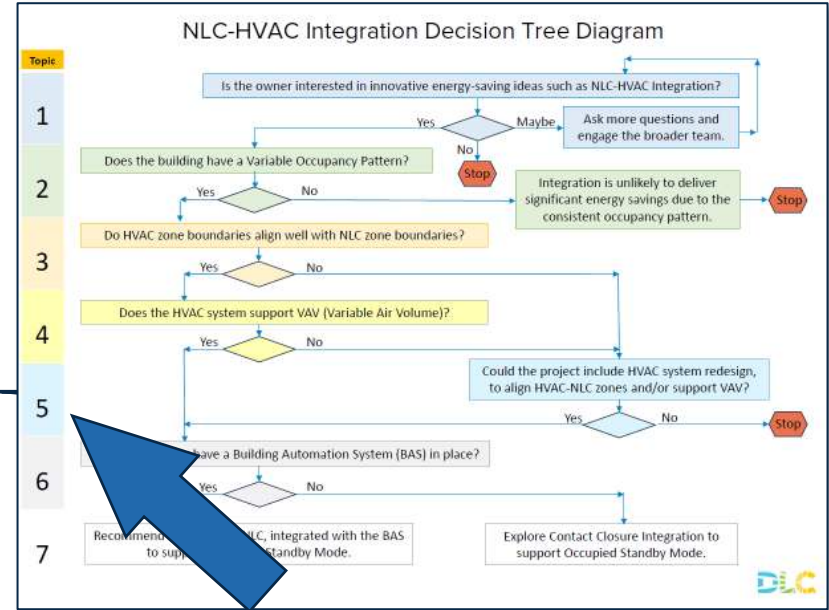
DLC NLC

Topic 7: Recommend integration to support Occupied Standby Mode, using BAS or Contact Closure.

- Issues to Explore:**
 - To proceed with NLC-HVAC integration, see the "DLC NLC-HVAC Controls Integration Toolkit: Handbook" for Best Practices.
 - See also the "DLC NLC-HVAC Controls Integration Toolkit: Case Studies" for Lessons Learned, especially from integration projects that share their building type and/or other characteristics with your own project.
 - When NLC-HVAC integration occurs in buildings without a BAS, it is often accomplished by Contact Closure, where a wire delivers an analog signal from an occupancy sensor or NLC system to an HVAC VAV box or thermostat. Each signal wire is often individually placed wire.
 - New technology for digital plug and play NLC-HVAC integration in small commercial spaces is becoming available, such as wireless thermostats that support Wi-Fi or Bluetooth mesh with commercial-grade cybersecurity.
- Clarifying Questions:**
 - Is an integration contractor available, who can provide the required integration?
 - Integration requires a certain amount of fixed overhead investment, regardless of the project size. Therefore, integration tends to be more readily feasible in large spaces, where fixed project costs can be amortized over a large area. For a small space, are there extenuating circumstances such as high energy intensity, extremely variable occupancy, technological leadership promotion, or new digital wireless thermostats, that will make integration feasible for your project?

DLC NLC-HVAC Controls Integration Toolkit: Decision Tree

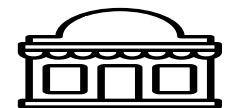
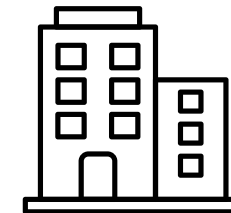
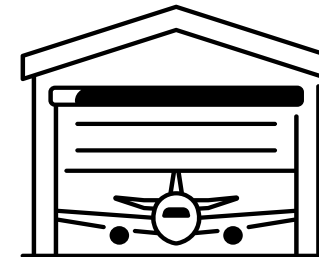
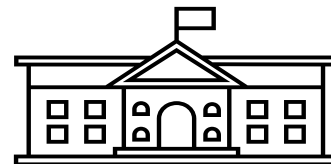
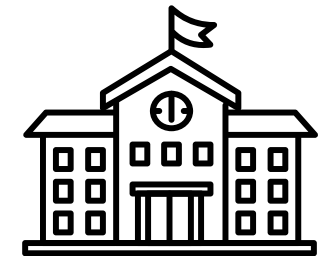
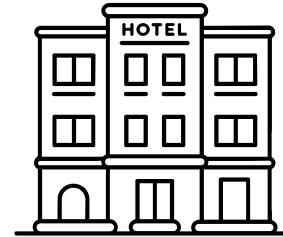
[Back to Diagram](#)



DLC

18 Case Studies, 7 Building Types

- **Healthcare**
- **Higher Education**
- **Hotel**
- **Industrial**
- **K-12 Education**
- **Office**
- **Retail**



NLC-HVAC Integration Toolkit



<https://designlights.org/resources/reports/nlc-hvac-integration-toolkit/>



ANSI C137.9 Configuration Reporting

Controls Savings Are Hard to Verify

- Savings depend on:
 - occupancy patterns
 - daylight availability
 - schedule adherence
 - tuning decisions (timeouts, trim levels)
 - overrides / user behavior

Installation alone is not evidence of savings.



ANSI C137.9 Indoor Networked Lighting Control Systems Configuration Report

Approved: December 2024
Published: March 2025



C137.9-2024

*American National Standard for Lighting Systems—
Indoor Networked Lighting Control Systems Configuration Report*

Secretariat:

National Electrical Manufacturers Association

Approved: December 5, 2024

American National Standards Institute, Inc.

© 2025 by the National Electrical Manufacturers Association. All rights including translation into other languages, reserved under the Universal Copyright Convention, the Berne Convention for the Protection of Literary and Artistic Works, and the International and Pan American Copyright Conventions.

ANSI/NEMA C137.9 Overview:

- Written with and for **EE Programs** – ensure alignment with program needs and goals
- **Standardized NLC Configuration:** Provides high-level overview of NLC configuration settings for a specific installation.
- **Reporting:** Reports generated by the NLC System.
- **Submission Process:** Incentive Applicant then submits PDF reports to EE Programs for review.



ANSI C137.9



NOT Energy
Use Data

Example Report

EXAMPLE PDF Export—System Configuration Report

1	2	3	4	5	6	7	8	9	10	11	12	13	14
System Manufacturer: Controllerly			System Name: Controllerly Ignite				Project Name: Head Office			Report Generated: 11/20/2023, 11:00 a.m.			
Spaces		Quantity		Configuration						Watts Controlled (measured or user input)			
ASHRAE 90.1 Space Type	Areas in this Space Type	# of Luminaires Controlled	# of LLLC Luminaires	Daylight Harvesting Enabled	Scheduling Enabled	Occ. Sensing Enabled	Manual or Auto On	Sensor Timeout (min)	High-end Trim Level	Total Connected Load	Effective Connected Load with:		
											High-end Trim Applied	Occ. Sensing Enabled	Daylight Harvesting
Conference / Meeting / Multipurpose Room	1	5	0	N	Y	Y	M	10	85%	212	180	180	0
Conference / Meeting / Multipurpose Room	1	12	12	Y	Y	Y	M	10	85%	507	431	431	431
Corridor	1	10	10	Y	Y	N	M	5	80%	312	250	0	250
Lobby	1	3	3	Y	Y	N	M	5	80%	78	62	0	62
Office ≤300 ft ²	6	25	25	Y	Y	Y	M	10	85%	780	663	663	663
Office ≤300 ft ²	6	6	6	N	Y	Y	M	10	85%	780	663	663	0
Office ≤300 ft ²	2	8	8	Y	Y	Y	M	5	90%	260	234	234	234
Office ≤300 ft ²	2	2	2	N	Y	Y	M	5	90%	260	234	234	0
Office ≥300 ft ² (Open Plan)	2	31	31	Y	Y	Y	M	10	85%	1131	961	961	961
Restroom	2	4	4	N	N	Y	A	10	80%	38	30	30	0
Stairwell	1	8	8	N	N	Y	A	5	80%	189	151	151	0
Storage Room	1	2	2	N	N	Y	A	5	80%	39	31	31	0
Storage Room	2	14	14	N	N	Y	M	5	80%	429	343	343	0
Total		130	119							3763	3156	2844	2296



ANSI C137.9 – NLC QPL Display

- NLC V5.2:
 - **Reported** Capability
- Future TR Version:
 - **Required** Capability



ANSI C137.9

**Focus On Energy (WI) offering
\$500 per report in 2026**



Requirements Reorganization

Requirements Organization

Table 1: Required and Reported Capabilities for Indoor Lighting Systems

<i>Required Indoor System Capabilities</i>	<i>Reported Indoor System Capabilities</i>
Networking of Luminaires and Devices	Type of User Interface
Individual Addressability	Luminaire Level Lighting Control (LLLC, integrated)
Zoning	Control Persistence
Continuous Dimming	Scheduling
Cybersecurity	Energy Monitoring (room-based systems)
Occupancy Sensing	Personal Control
Daylight Harvesting/Photocell Control	Scene Control
High-End Trim	Plug Load Control
Energy Monitoring (except room-based systems)	Load Shedding/Demand Response
	External Systems Integration
	Configuration Reporting
	Emergency Lighting
	Device Monitoring/Remote Diagnostics
	Color Changing/Tuning
	NLC Integrated Thermostats



Requirements Organization

Table 2: Required and Reported Capabilities for Outdoor Lighting Systems

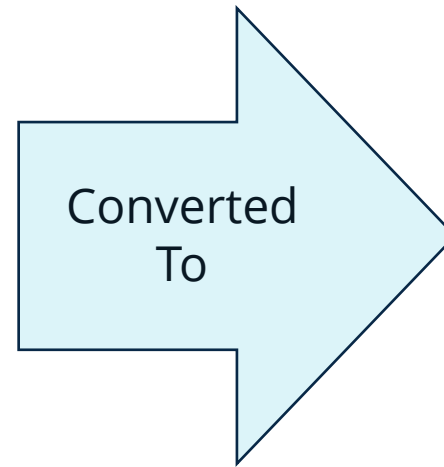
<i>Required Outdoor System Capabilities</i>	<i>Reported Outdoor System Capabilities</i>
Networking of Luminaires and Devices	Type of User Interface
Individual Addressability	Luminaire Level Lighting Control (LLLC, integrated)
Zoning	Control Persistence
Continuous Dimming	Scene Control
Cybersecurity	Load Shedding/Demand Response
Occupancy Sensing AND/OR Traffic Sensing	External Systems Integration
Daylight Harvesting/Photocell Control	Emergency Lighting
High-End Trim	Device Monitoring/Remote Diagnostics
Scheduling	Color Changing/Tuning
Energy Monitoring	



Table 3 Converted To Paragraph Form

308 Table 3: Definitions of Capabilities and Requirements

Row	Capability	Requirements
1	Networking of Luminaires and Devices	The capability of individual luminaires/lamps and control devices to exchange digital data with other luminaires/lamps and control devices on the system. This capability is required at the room, space, or area level, but not at the whole building level or beyond (e.g. non-lighting systems, or the internet).
2	Occupancy Sensing	The capability to affect the operation of lighting equipment based upon detecting the presence or absence of people in a space or outdoor environment. Outdoor systems must include either occupancy sensing or traffic sensing. They may include both, but that is not required.
3	Traffic Sensing	The capability to affect the operation of lighting or other equipment based upon detecting the presence or absence of moving vehicles in an area. Systems may satisfy this requirement through external systems integration as described below in lieu of in-system sensors if another source of data is used for presence or absence detection. Outdoor systems must include either occupancy sensing or traffic sensing. They may include both, but that is not required.
4	Daylight Harvesting / Photocell Control	The capability to automatically affect the operation of lighting or other equipment based on the amount of daylight and/or ambient light that is present in a space, area, or outdoor environment. This capability is typically called daylight harvesting for indoor systems, and photocell control for outdoor systems.



154 **3.4.0. Networking of Luminaires and Devices**

155 The capability of individual luminaires/lamps and control devices to exchange digital data
156 with other luminaires/lamps and control devices on the system. This capability is required
157 at the room, space, or area level, but not at the whole building level or beyond (e.g. non-
158 lighting systems, or the internet).

159 **3.4.1. Type of User Interface**

160 The type of interface provided by the control system for users to read and adjust control
161 system settings during system start-up, commissioning, and/or ongoing operation.

162 **3.4.2. Individual Addressability**

163 The ability to communicate digitally and uniquely with each individual luminaire/lamp,
164 sensor, controller and user interface device in the lighting system, allowing for software-
165 controlled configuration and re-configuration of devices and control zones independent of
166 electrical circuiting.

167 **3.4.3. Zoning**

168 The capability to group luminaires/lamps and form unique lighting control zones for a
169 control strategy via software-defined means, and not via physical configuration of
170 mechanical or electrical installation details (e.g. wiring).

171 **Indoor:** Zoning is required for occupancy sensing, high-end trim and daylight harvesting
172 control strategies except for systems that feature luminaire level lighting control (LLLC)
173 capabilities as defined in these requirements under "Reported Capabilities", in which case
174 zoning is only required for occupancy sensing and high-end trim control strategies.

175 **Outdoor:** Zoning is required for high-end trim.





NEXT GEN LIGHTING:

CONTROLS, INTEGRATION, AND THE ENVIRONMENT

OCTOBER 26–27, 2026 | LOS ANGELES, CA

Thank you to our hosts!



Summit Venue: California Endowment Center



Stay at the DoubleTree in downtown LA



Room Block: \$174/night



Nearby Attractions



Why attend the DLC summit?



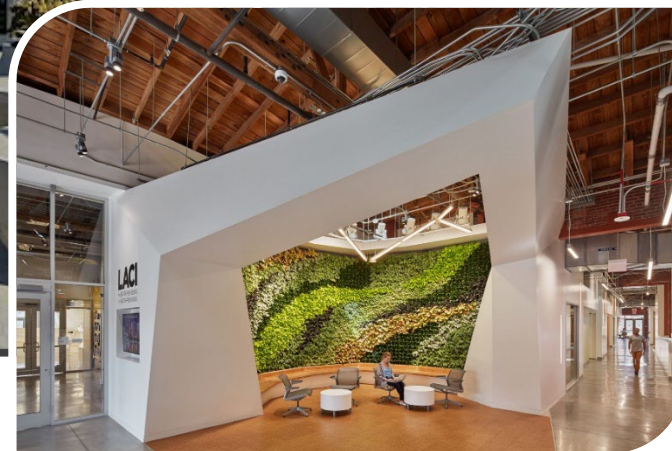
Day 1: Lighting Programs 201 for Industry Partners



Mid-afternoon meeting centered around:

- understanding EE program challenges
- learning terminology
- getting up to speed on summit themes

Day 1: Tour & Mixer at the La Kretz Innovation Campus



Day 2: Sessions Begin

Morning

Next Gen Lighting Savings:
Scaling Advanced Controls

Next Gen Buildings: Integrating Lighting
and HVAC for Whole Building Savings

Capturing Controls in TRMS for Next Gen Savings

Lighting Controls and Light Pollution: Aligning
Energy Savings and Environmental Responsibility

concurrent

Afternoon

Next Gen Lighting Programs:

Market Realities
&
New Opportunities

working session

Sponsorship Opportunities



Cocktails, coffee, sessions, meals, and more!

Speaking opportunities



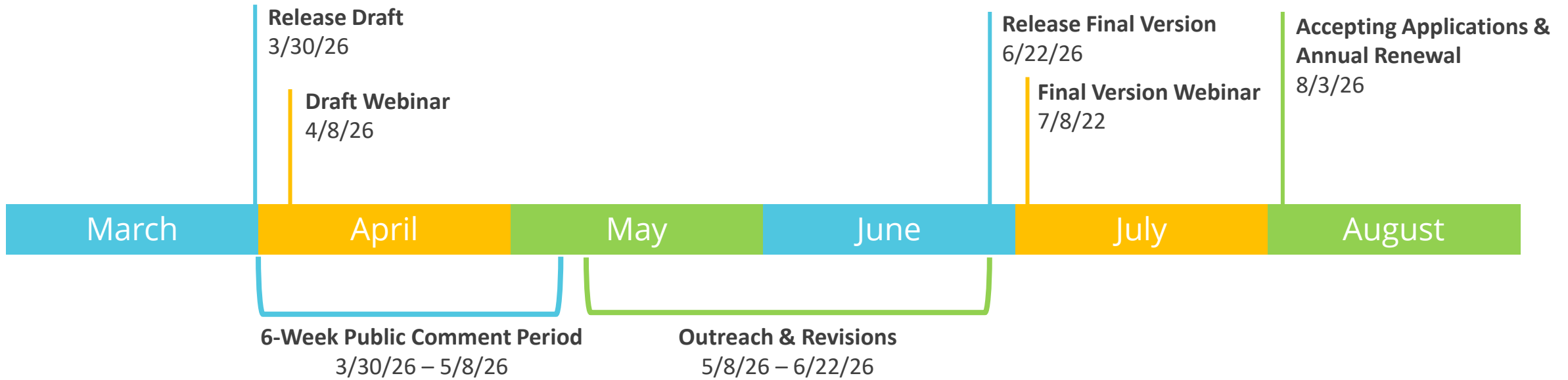
Promotion before and during summit





Review

NLC5.2 Update Timeline



Download NLC V5.2 & comment form

NETWORKED LIGHTING CONTROLS

Technical Requirements for NLC V5.2 Draft 1


[COVER LETTER](#) [DRAFT TECHNICAL REQUIREMENTS](#) [HELP SHAPE NLC V5.2 - SUBMIT COMMENTS](#) [REGISTER FOR WEBINAR](#)

The DesignLights Consortium (DLC) is pleased to release Draft 1 of the Networked Lighting Controls (NLC) Technical Requirements Version 5.2. The DLC is committed to providing decision makers with data and resources on quality lighting, controls, and integrated building systems to reduce energy use, carbon emissions and light pollution. Through the **NLC Qualified Products List (QPL)** and its technical requirements, the DLC helps efficiency programs, manufacturers, specifiers, and building owners identify NLC systems that provide reliable performance, security, and measurable energy impacts.

With each new version of the technical requirements, the DLC has worked closely with manufacturers, utilities, researchers, and other stakeholders to ensure that the NLC program continues to reflect both technological progress and real-world deployment experience. Previously, the DLC updated the technical requirements to support interoperability, energy reporting, and integration with other building systems, helping align the NLC program with broader trends toward connected and data-enabled building infrastructure.

<https://designlights.org/our-work/network-lighting/nlc-v52-draft/>

Comments due by May 8, 2026


	NLC V5.2 Comment Form
Document:	Networked Lighting Control (NLC) System Technical Requirements
Version:	Draft of NLC V5.2
Comments Due:	Close of business, Friday May 8, 2026
Instructions and Background:	<p>To comment, enter your organization, name, email address, and phone number at the top of the worksheet. Then enter any comments in Column D "Comment and Rationale".</p> <p>Provide your proposed change corresponding to your comment in Column F "Proposed Change".</p> <p>Comments to the Technical Requirements that are not related to a specific revision the DLC has proposed may be added at the bottom of the worksheet.</p> <p>Save the Excel file with your comments, with your initials appended to the end of the filename, and email the file to comments@designlights.org by close of business, Friday May 8, 2026.</p>

**Submit comment via email to
comments@designlights.org**



Q&A

Thank you for attending! The webinar will be available online later this week

DLC FIND PRODUCTS ▾ ABOUT US ▾ OUR WORK ▾ RESOURCES ▾ **NEWS & EVENTS ▾** JOIN US ▾ Q 

LATEST ANNOUNCEMENTS →

FINAL RELEASE
SSL V6.0 & LUNA V2.0

Introducing the DLC Technical Requirements for LED Lighting: SSL V6.0 and LUNA V2.0

November 3, 2025

See All News

PERSPECTIVES →

Introducing the DLC Technical Requirements for LED Lighting: SSL V6.0 and LUNA V2.0

November 3, 2025

You Spoke, We Listened: How Your Feedback Shaped DLC SSL V6.0 and LUNA V2.0

October 28, 2025

GET UPDATES ↗

UPCOMING EVENTS →

FINAL RELEASE
SSL V6.0 & LUNA V2.0

Technical Requirements for LED Lighting: SSL V6.0 & LUNA V2.0 Final Webinar

November 12, 2025 3:00 pm

2024 DLC Controls Summit

On-Demand Webinars / Past Events

A nighttime photograph of a modern cityscape with light trails from traffic and buildings. A large yellow graphic overlay is on the left side of the image.

SSL/LED Section Heading





Controls Section Heading

Controls Section Heading





Fancy Faded Background

- Use me sparingly!
- thank you slides
- Short agenda
- Contact info

