

LIGHTING OVERVIEW

Luminaire level lighting controls: FAQ for installers

1/ Is LLLC easier or harder to install compared to traditional controls?

LLLC systems are designed to be easier to install and program than traditional controls. They follow the same basic installation process as standard fixtures, without the need for additional wiring. These wireless, pre-programmed systems offer out-of-box code compliance and streamline initial setup, allowing installers to complete projects faster.

2/ Is there training or support available for installing LLLC?

There are many options for training and support. LLLC systems are more alike than different, so experience with one system can be applied to others, making it easy for installers to become comfortable using the technology. Contact a manufacturer rep or distributor for 1:1 training and resources to help ensure every project runs smoothly.

3/ Do I need special tools or software to install and program LLLC?

No special tools are needed! LLLC uses standard three-wire connections – black, white, and green – just like a traditional light fixture. These systems are designed to make it simple to identify each fixture, then group fixtures into zones, apply a sequence of operations, and make adjustments during setup.

For most systems, only a smartphone or tablet is needed to download the programming app. Sometimes a dedicated remote control is utilized. Check with manufacturers about their options for pre-programmed fixtures, programming assistance, or even remote setup support.

4/ How does LLLC improve energy efficiency and meet energy code compliance?

LLLC improves energy efficiency by integrating sensors and controls directly into each fixture. This level of



efficiency can save facility managers and building owners up to 75% in energy usage compared to standard LED fixtures. Additional features like occupancy sensing and daylight harvesting automatically reduce energy use even more. Additionally, LLLC systems meet energy code requirements at both the state and local level, so installers can move forward confidently, knowing the system already meets complex code requirements.

5 / Are there incentives available for installing LLLC?

There are many Northwest utilities offering financial incentives to reduce the upfront cost of LLLC for both new construction and retrofit projects. Reach out to your local utility and they can guide you through their programs, answer questions, and help make sure you get the incentives your project is eligible for.



6 / What should I do if I run into issues during or after installing LLLC?

Most systems include app-based diagnostics and online troubleshooting guides to help identify and resolve problems quickly. If the problem persists, contact your distributor or manufacturer rep for direct support. They can help pinpoint issues and get the system back on track.

7 / What are some best practices with handing off the new lighting system to building owners or facility managers?

Prior to installation, make sure you're familiar with the LLLC system you're installing and review the sequence of operations with the customer, so you understand what settings they want in each space. When the project comes to a close, walk them through how to make adjustments and use controls. A clear, informed handoff can significantly reduce callbacks. It's also important to confirm they know who to contact for future support. Lastly, consider offering a paid follow-up visit or annual support package to assist with adjustments as the building needs evolve.

8 / Are there resources I can provide to my clients to educate them on the value of LLLC?

A great resource is [BetterBricks.com/LLLC](https://betterbricks.com/LLLC), where you'll find resources to share with clients, including overview videos, case studies, and informational guides. You can also reference [NXT Level Lighting Training](#), which is a free online program that offers in-depth lighting and controls education. Your distributor or manufacturer rep may also have materials to help educate customers on the value and operation of LLLC systems.



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