

LIGHTING HANDOUT

Luminaire Level Lighting Controls Frequently Asked Questions



What is LLLC?

Luminaire Level Lighting Controls (LLLC) is a type of networked lighting control (NLC) system which integrates both sensors and load controllers into each fixture, providing unparalleled flexibility, deep energy savings, and an improved lighting experience.

What is the difference between NLC and LLLC?

LLLC is a one-to-one relationship with one sensor controlling one light fixture, while other NLC systems have a one-to-many relationship with one sensor controlling many light fixtures.

What are the main benefits of LLLC?

LLLC offers a simple and streamlined installation with wireless solutions, pre-programming, and retrofit kits. By using intuitive app-based tools and smart devices, installers and facilities operators can quickly adjust and optimize LLLC systems. When building needs change, LLLC systems can easily be rezoned and reconfigured, reducing maintenance costs without costly rewiring. LLLC offers additional controls that can enhance the value of your lighting investment:

- Energy code compliance
- Daylight harvesting
- Task tuning
- Occupancy sensing
- Asset tracking
- Space utilization
- HVAC integration
- Security & emergency response
- Demand response

To learn more about LLLC benefits, read the [LLLC Overview for Building Owners and Operators](#).

What kind of energy savings does LLLC offer?

LLLC can save up to 75% in energy usage compared to standard LED fixtures. Integrated sensors and advanced control methods provide maximum energy savings that compound over the life of the system, making it a smart investment.

Where can LLLC be used?

LLLC systems are advantageous in a variety of space types, including commercial and civic office spaces, schools, healthcare facilities, storage warehouses, and industrial facilities. LLLC can be effectively tailored to each space, providing optimal light quality, flexible configuration, ease-of-use, and energy savings to meet both current and future building and tenant needs.

Learn more about LLLC in different types of spaces:

- [LLLC for Hospitals](#)
- [LLLC for Offices](#)
- [LLLC for Schools](#)

What incentives are available from utilities?

Many utilities offer incentives for energy-efficient lighting upgrades, helping businesses reduce energy and lower their bills. To learn about incentives in your area, visit betterbricks.com/resources/regional-incentives-for-lllc.



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