

# DO NETWORKED LIGHTING CONTROLS ACTUALLY SAVE ENERGY?

## HOW MUCH ENERGY SAVINGS DO NLCs + LLLCs ACTUALLY OFFER?

**NLCs**  
NETWORKED  
LIGHTING CONTROLS



+

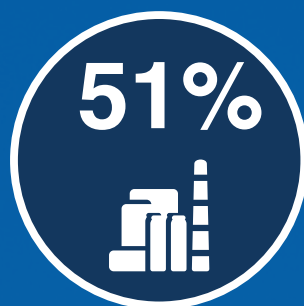
**LLLCs**  
LUMINAIRE-LEVEL  
LIGHTING CONTROLS



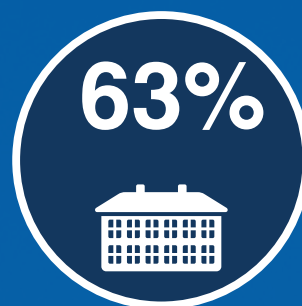
Office



Education



Manufacturing



Overall Average

## HOW DOES IT WORK?

### 5 KEY ELEMENTS THAT NLCs USE TO REDUCE ENERGY COSTS

- Daylight Harvesting**  
Reduces energy by utilizing daylight in a space. Lights will dim or turn off according to how much ambient daylight is sensed.
- Occupancy Sensing**  
If a space is unoccupied for a certain period of time, sensors will automatically dim down and/or turn off the lights to significantly reduce energy.
- High-End Trim**  
High-End trim is a control strategy implemented for significant energy savings by reducing the highest light output level (usually by a certain %). Often occupants prefer a lower light level than max output.
- Scheduling**  
Setting schedules can be incredibly beneficial because with NLC scheduling your building will never have a fixture left on after hours again.
- Personal Controls & LLLCs**  
LLLCs allow for personalized light settings for each building, room, and luminaire for maximum control, so that each room is lit intentionally for each department and their needs.

## HOW DOES aleoblue™ WORK?

aleoBlue is a Bluetooth Mesh (SIG) wireless network lighting controls system that is simple, easy to use, and feature-rich. We're cutting the wires, the complication, and politics out of controls. We deliver luminaires with integrated wireless controls out-of-the-box. All you have to do is wire power and commission the sensors using our intuitive and easy-to-use desktop and iOS app. aleoBlue offers the long term flexibility to reconfigure zones, add/remove dimmer switches, and adjust sensor and zone settings.

- 1 Installation:**  
Out-of-the-Box with Integrated Controls
- 2 Desktop:** Planning & Pre-Commissioning
- 3 Mobile:** Implementation & Provisioning

## CHECKS OFF ALL THE BOXES

Not only is aleoBlue set up in 3 easy steps, it also checks all the boxes to reduce energy costs in your facility. All in the palm of your hand with no wires, no difficulty, and no extra costs.

**= DEEP ENERGY SAVINGS**

## COST OF WIRELESS CONTROLS

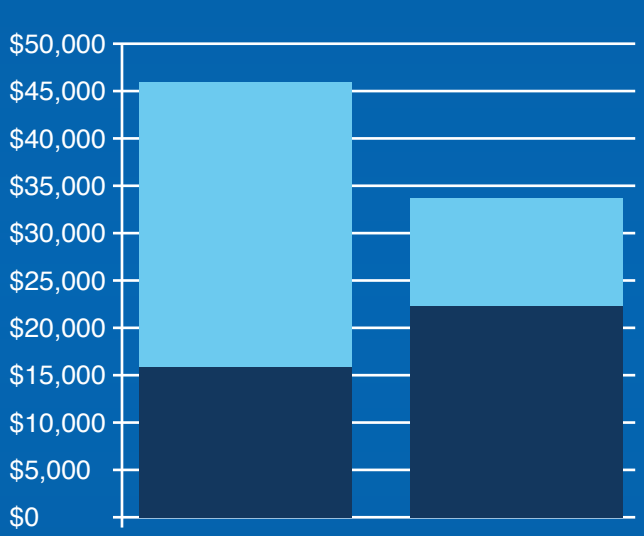
**< \$0.60/sq. ft.**  
Additional Cost of Controls

**Less Than 20%**  
Cost of Controls Over LED Cost

## COST OF OWNERSHIP

**27%** Reduced Cost of Ownership w/ Controls vs w/o Controls

- Lower energy bills with high energy savings
- Lower cost of ownership over the life of the LED system.
- Additional Cost of Controls (over LED) pays for itself in < 2 yrs. (not including any rebates)



This example shows the cost savings for 200 LED luminaires at 34W each with an electricity rate of \$0.20/kWh and 3,132 annual hours of operation. Assuming an average of 63% control factor savings.

■ Equipment Cost ■ Energy Cost Over 7 Years



## UTILITY REBATE INCENTIVES

**60+** Utilities have Rebates for NLCs

**\$42.78/ea.**  
Average Rebate Adder for NLCs