

LIGHTING CONTROLS

Quick Reference Guide

Idaho Power determines lighting control eligibility and may require pre and/or post inspections.

Integrated Single Control Strategy

Occupancy or Daylight sensor installed at each fixture.

Integrated Multiple Control Strategy

Two or more control strategies installed at each fixture.

- One strategy must be daylight or occupancy sensor based.
- High-end trim for interior application is not valid with daylight harvesting.

Networked Lighting Control (NLC) and Luminaire Level Lighting Control (LLLC) Strategy

Projects with NLC or LLLC must be pre-approved by Idaho Power prior to installation. High-end trim for interior application is not valid with daylight harvesting.

Control must be:

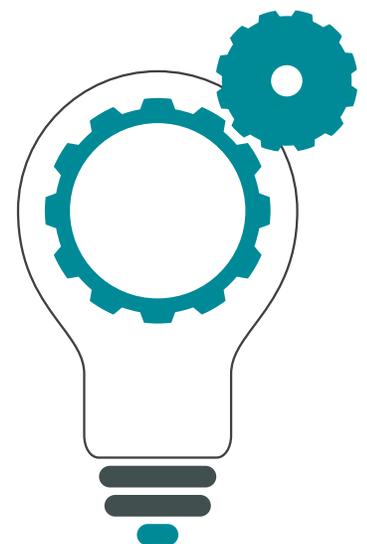
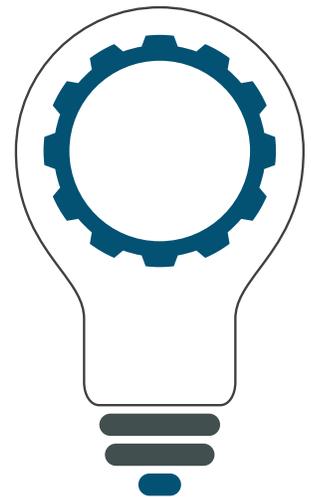
- Installed with:
 - New LED Fixture
 - Level 1 Basic Retrofit Kit
 - Level 2 Integrated Retrofit Kit
- One strategy must be daylight or occupancy sensor based
- On DLC-NLC qualified product lists (www.designlights.org/QPL)
 - LLLC control requires a LLLC designation

NLC

- Additionally, must use at least two control strategies — each fixture

LLLC

- Additionally, must be individually addressable and use at least two control strategies — each fixture



Application Strategies

	Single Control Application	Integrated Multiple Control Application	NLC or LLLC Application
Interior	<ul style="list-style-type: none"> • Occupancy sensor • Daylight sensor 	<ul style="list-style-type: none"> • Occupancy & Daylight sensor • Occupancy sensor & High-End Trim • Daylight sensor & Advanced scheduling • Occupancy sensor & Advanced scheduling • Occupancy sensor, Daylight sensor & Advanced scheduling 	<ul style="list-style-type: none"> • Occupancy & Daylight sensor • Occupancy sensor & High-End trim • Occupancy sensor & Advanced scheduling • Daylight sensor & Advanced scheduling • Occupancy sensor, Daylight sensor & Advanced scheduling
Exterior	<ul style="list-style-type: none"> • Motion sensor 	<ul style="list-style-type: none"> • Motion sensor & Advanced scheduling 	<ul style="list-style-type: none"> • Motion sensor & Advanced scheduling

NLC vs. LLLC

Feature	NLC	LLLC
Control Level	Group or zone-based	Fixture-level (each luminaire individually controlled)
Sensors	May be centralized or distributed	Built into each fixture
Installation Complexity	Higher (requires networking commissioning)	Lower (plug-and-play, minimal wiring)
Flexibility	High — supports advanced zoning and scheduling	High — supports specific control and easy reconfiguration
Cost	Higher upfront (design + commissioning)	Lower for retrofit (1:1 replacement)
Best Use Cases	Large buildings, complex layouts	Retrofits, spaces needing individual control (offices, classrooms)

Tip for Contractors: Wiring Differences

LLLC typically requires power wiring only, without additional components, such as gateway.

