

PowPak® Wireless Fixture Control

for Energi TriPak®



PowPak wireless fixture control



PowPak fixture sensor



Pico® wireless control

Transform any fixture into a wireless, intelligent luminaire

Maximize energy savings

- Save energy at each fixture
- Use only the light you need across any space

Personal control

- Wireless fixture control provides each occupant the ability to adjust the light to suit the task at hand

Eliminate design and installation hassle

- Just count the fixtures
- Works with any 0–10V fixture or Lutron EcoSystem®
- No control wiring between fixtures

Proven Lutron technology—no callbacks

- Superior Clear Connect® wireless communication
- Reliable XCT™ sensing technology



Fixture control mounted above ceiling

Sensor as seen below ceiling

Maximize energy savings

Each wireless individual fixture supports three control strategies for maximum energy savings and enhanced comfort

Occupancy sensing



Turns individual fixtures on when a person occupies an area and turns them off when a person leaves the area.

Daylight harvesting

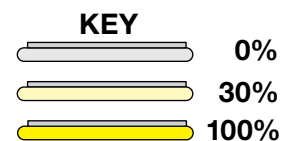


Dims/brightens the fixture based on available daylight

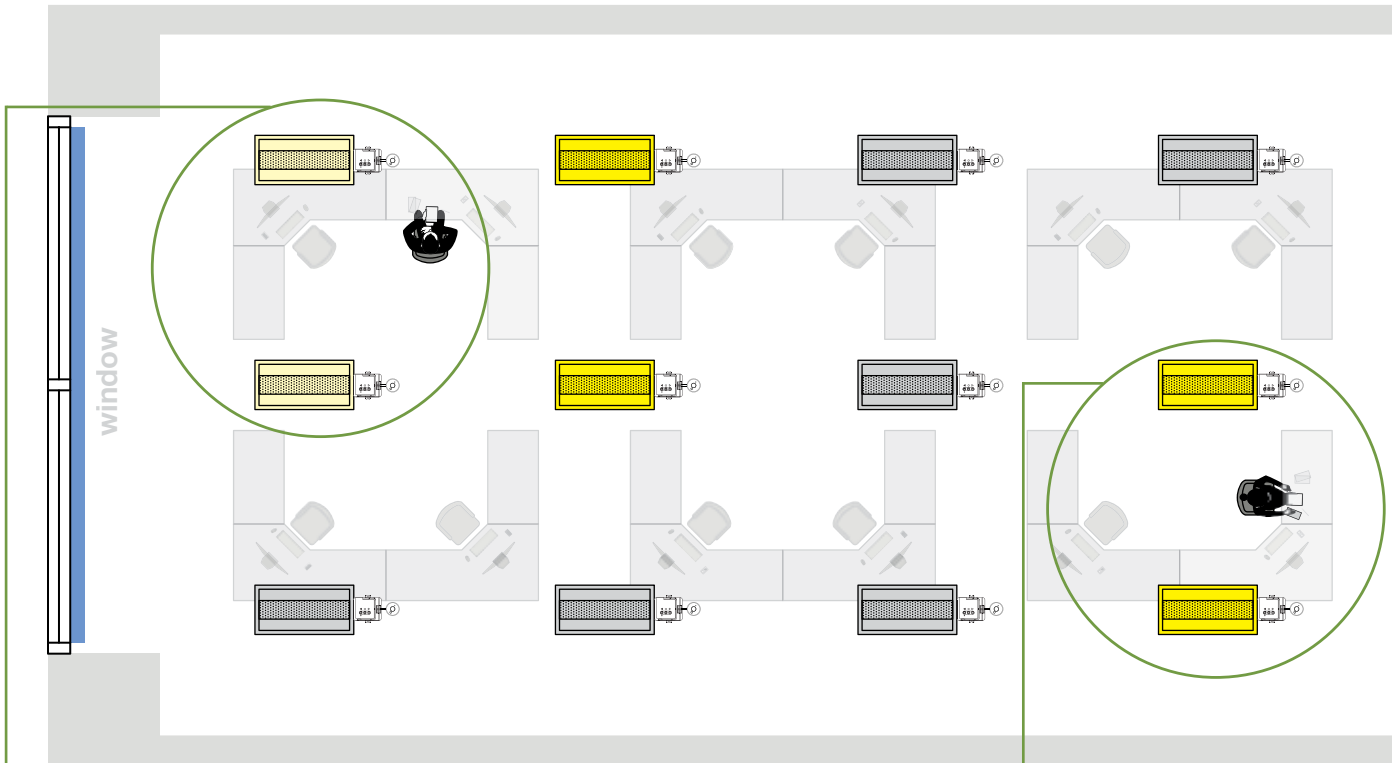
Personal wireless control



Provides the ability to lower lights with a simple button press



Combined savings across a space



Individual fixtures provide only the light you need

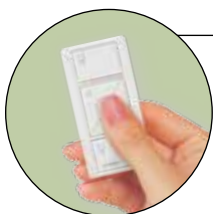
- Lights near windows dim when sufficient daylight is present
- Only lights in occupied area are on

KEY

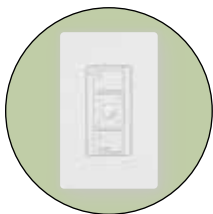
- 0%
- 30%
- 100%

Enhance comfort

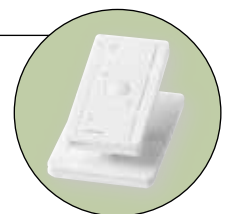
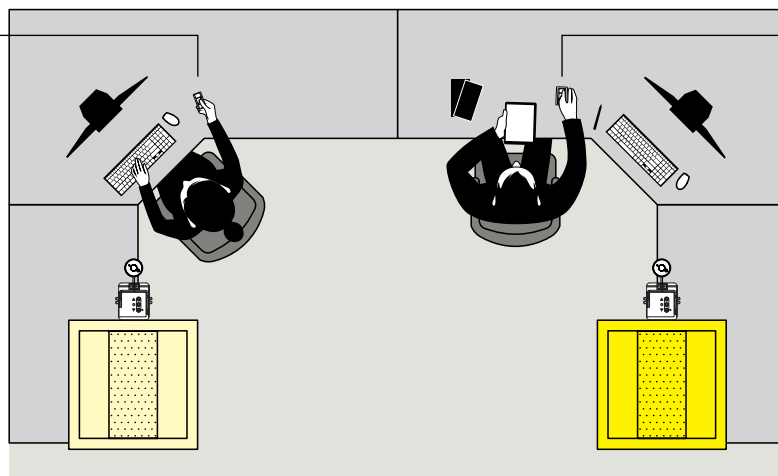
With a Pico® wireless remote, each occupant can adjust the lights to suit their needs.



Handheld Pico wireless remote—Dim lights to 50% to reduce glare on screen



Pico wall-mounted (in a wallplate)—add a new point of control anywhere with absolutely no wires



Pico wireless remote with pedestal—Raise lights to 100% for reading visibility

Eliminate design hassle

This simple solution couldn't be easier

Just count the number of fixtures

- Quickly and easily estimate jobs—no need to know the existing wiring

The wireless fixture control works with any 0–10V fixture or Lutron EcoSystem®

- Automatically adapts to both sink and source ballasts and drivers
- UL approved to be installed at the job site or at the fixture OEM

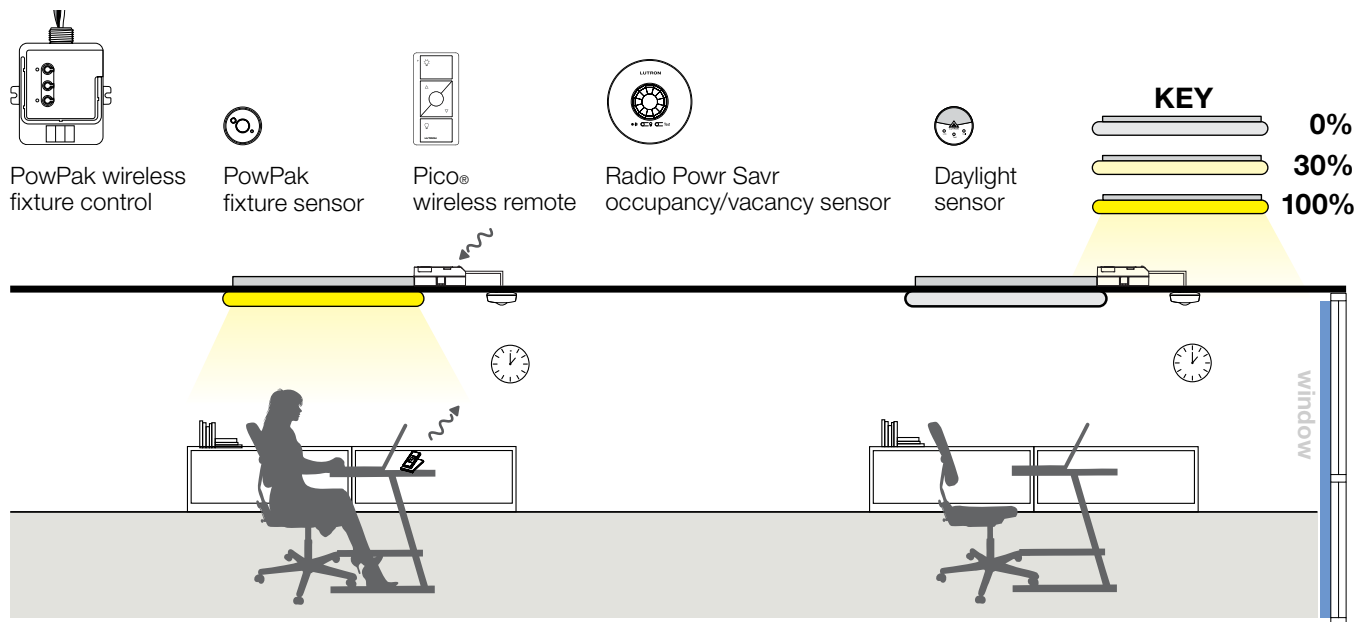
Out of the box code compliance

Just install the control, attach the sensor, and meet the following codes:

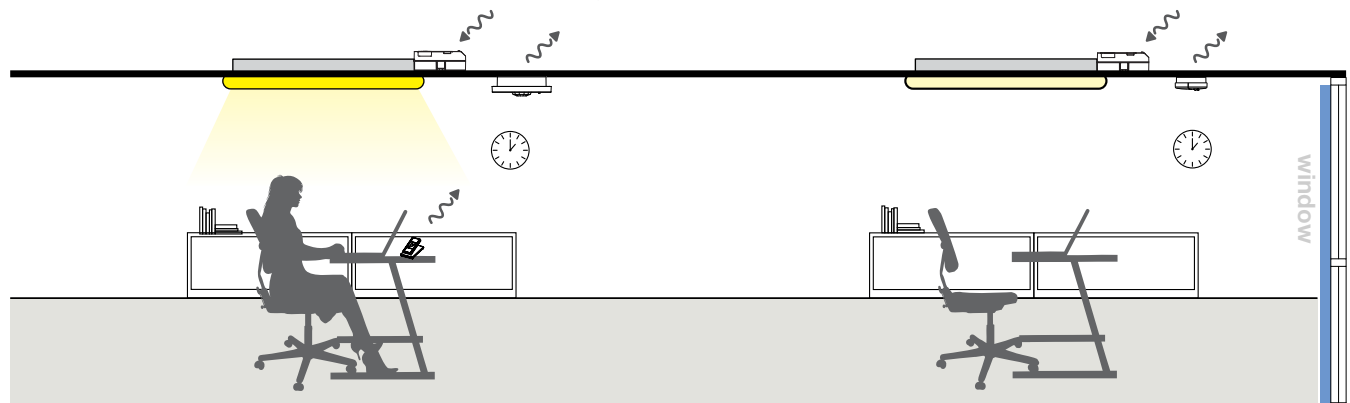
- ASHRAE 90.1-2010
- IECC 2012
- Title 24-2013 (for buildings under 10,000 square feet)

For specific commercial building code lighting requirements in your state, please visit www.lutron.com/energycodes.

Flexibility when you need it



Individual fixture controls and sensors provide granular control



Individual fixture controls with Radio Powr Savr occupancy sensor or daylight sensor provide area control

Simplify installation—no control wiring between fixtures

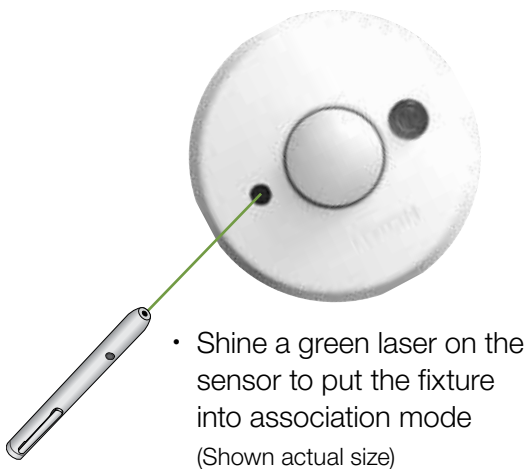
- 1 Mount control to a fixture or junction box through a standard knockout



- 2 Mount and connect the sensor through the ceiling tile



- 3 Assign a Pico® wireless remote to the fixture (optional)



- Press and hold the “Off” button on the Pico wireless remote for six seconds



Proven Lutron technologies

XCT™ technology with cross-correlation—won't leave you in the dark

Lutron sensors detect fine motion better than other passive infrared (PIR) sensors

- Provides exceptional prevention of false-ons and false-offs
- Superior sensitivity—recognizes the difference between fine human motion and background noise

✓ Major Motion



Person walking 3 feet

✓ Minor Motion



Movements like extending your arms

✓ Fine Motion



Small movements like flipping pages of a book

✓ No False-on



Lights stay off when room is unoccupied

Exclusive, reliable technologies—no callbacks

Clear Connect® RF technology—wireless that works!

Proven technology

- Lutron invented its first wireless lighting control system in 1993

Highest quality

- Best communications reliability of any system on the market

Proven reliability

- Case study: Over 30,000 Clear Connect devices performing reliably throughout the Encana building in Calgary, Canada

Service and support

Lutron offers a wide variety of services for all projects. Although this is a simple installation, Lutron is here to help and answer any of your questions 24 hours a day, 7 days a week.



A solution for every space

Lutron can meet the needs of any application within your building

Individual fixture dimming



PowPak® wireless fixture control



Open office



Cafeteria

Single zone switching



PowPak junction box mounted relay and wireless Radio Power Savr™ occupancy sensor



Basic conference room



Restroom



Maestro® switch and occupancy sensor

or

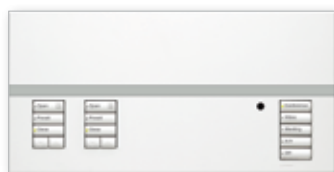


In-wall sensor



Private office

Multi-zone preset control



GRAFIK Eye® QS



Executive conference room

Features and benefits



W: 2.82" (72mm)
H: 3.94" (100mm)
D: 1.25" (32mm)

PowPak® wireless fixture control

- Controls up to 6mA of 0–10V or 3 EcoSystem drivers/ballast
- Uses Lutron Clear Connect® RF technology
- Designed to give a linear response to changes in viewed light level
- 2 wire connection between sensor and control module – the wires are interchangeable to eliminate miswiring

Available model numbers:

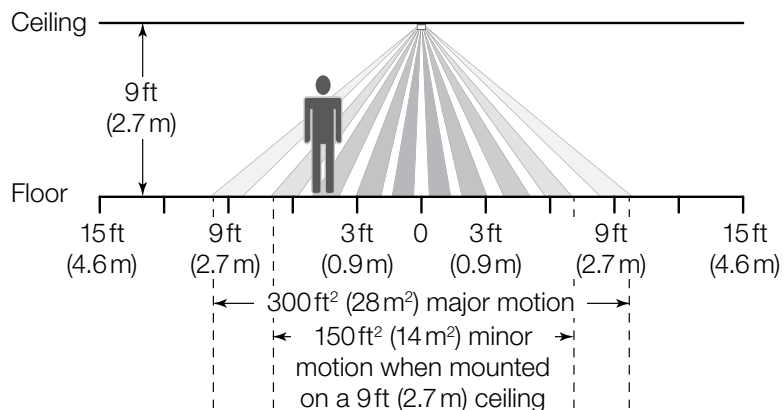
FCJ-010	0-10V Control Module
FCJ-ECO	EcoSystem Control Module
FC-Sensor	Occupancy/Daylight Sensor
FC-VSensor	Vacancy/Daylight Sensor



W: 1.50" (38mm)
D: 0.65" (16mm)

PowPak fixture sensor

- Passive infrared motion detection with exclusive Lutron XCT™ technology for fine motion detection
- Polarity-free wiring (2' lead)
- 360° sensor field-of-view



www.lutron.com



Lutron Electronics Co., Inc. 7200 Suter Road Coopersburg, PA 18036-1299
World Headquarters 1.610.282.3800 | 24/7 Technical Support 1.800.523.9466 | Customer Service 1.888.LUTRON1 (1.888.588.7661)

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