Codes and standards

- **ASHRAE 90.1 2010**

  Additional Control (9.4.1.6)

  Lighting in stairwells shall have one or more control devices to automatically reduce lighting power in any one controlled zone by at least 50% within 30 minutes of all occupants leaving that controlled zone.

- **IgCC (International Green Construction Code)**

  Interior Light Reduction Controls (609.3)

  Occupant sensor controls shall be provided to automatically reduce connected lighting power by not less than 45 percent during periods when occupants are not present in all of the following locations.

  1. Corridors and enclosed stairwells.
  2. Storage and stack areas not open to the public.
  3. Parking garages.

Stairwell Retrofit Fixture Project Example*

Location	New York, NY
Project Size	41 fixtures
Utility Rebate	up to $150 per fixture
Electricity Cost	$0.19/kWh
Installation Cost	$75/fixture
Prior to Installation	Lights on at full brightness 24/7
After Installation	Low-end light level: 15% (for 22.5 hours/day) High-end light level: 75% (for 1.5 hours/day)
Expected Lighting Energy Savings	81.25%
Expected Payback Period	2.41 years

* Assumes 3% inflation rate. Additional Savings from HVAC (Department of Energy estimates that 1W of HVAC energy is saved for every 5W of lighting saved).

Utility rebates available in most locations. Visit www.lutron.com/incentives for more information.

For pricing and availability, please contact your local Lutron salesperson or representative.

www.lutron.com
World Headquarters 1.610.282.3800
Technical Support Center 1.800.523.9466 (Available 24/7)
Customer Service 1.888.LUTRON1

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NEW

Stairwell Retrofit Solution

A simple, energy-saving lighting fixture and control solution

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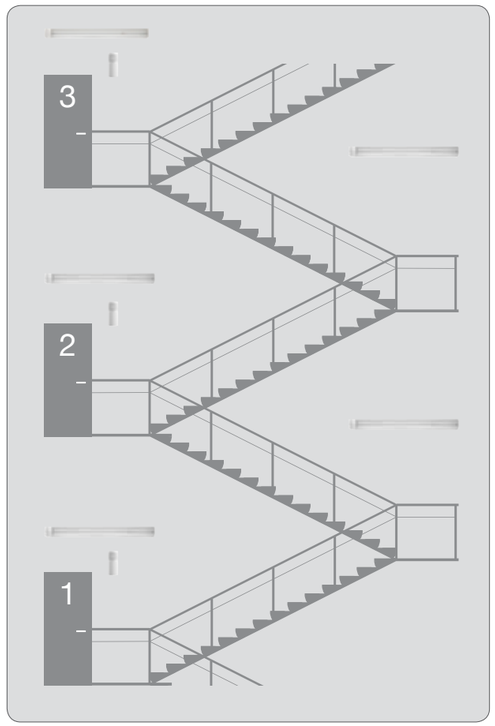
Stairwell Retrofit Solution

What is the stairwell retrofit solution?

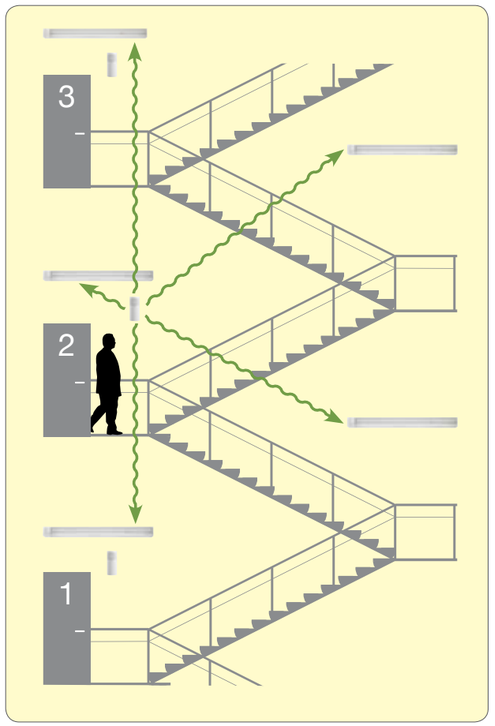
- Lighting fixture solution that automatically adjusts light output based on stairwell occupancy
- Utilizes a Lutron digital dimming ballast preprogrammed to occupied and unoccupied light levels that are specific to a project's code requirements
- Integral Maestro® Wireless lighting control receives signal from Radio Powr Savr™ occupancy sensors (sold separately) via Lutron® reliable Clear Connect™ RF technology
- Provides the flexibility to determine occupancy sensor quantities, mounting configuration, and placement requirements per the stairwell design

How does it work?

Unoccupied: 15% light level



Occupied: 75% light level



Stairwell fixture

Radio Powr Savr occupancy sensor

Lutron Clear Connect RF technology wireless communication

Benefits

Energy savings – ability to save over 80% of lighting energy usage

– high-end trim reduces light levels when occupied

– occupancy sensing lowers light levels when unoccupied

Simple installation – wireless communication between devices allows the occupancy sensor(s) to be mounted in the location that provides the maximum area of coverage with no need for additional wiring

High ROI – approximate payback of 1-3 years

Flexible – group multiple fixtures to a single occupancy sensor and/or multiple occupancy sensors to a single fixture

Meets codes and standards (see back cover for details)

Features

Stairwell retrofit fixture

- 4 ft.* fixture, 1 or 2 lamps, lamp options – T8, T5-HE and T5-HO
- LED lamp options coming soon
- 120-277 V~ universal input voltage
- Ceiling or wall surface mount
- Optional emergency ballast battery backup available

Radio Powr Savr occupancy sensors

- Ceiling, wall, hall and corner-mount configurations available
- Customize timeout to 1, 5, 15 or 30 minutes
- Exclusive Lutron XCT technology – enhanced passive infrared (PIR) sensing
- Control up to 10 fixtures with one sensor
- 10 year battery life

* 2 and 3 ft fixtures available upon request; contact Lutron for details