

XASW02

Athena Series LED Stairwell



DESCRIPTION

The Athena Series (XASW02) LED Stairwell is specifically designed for use in stairwells where the space is often unoccupied for long periods of time. It reduces energy usage by up to 80% by automatically providing fully ON light levels only when the space is occupied and returns to power saving dim levels when the space is unoccupied. An intelligent wireless RF system links multiple fixtures and, together with a built-in occupancy sensor, automatically tracks occupancy so that the light are at full brightness at the floors above, below and directly at the occupied location, irrespective of the occupant's direction of travel. These fixtures function equally well in hallways, bathrooms, laundry rooms, or any area that is frequently unoccupied.

FEATURES

- Up to 80% savings of lighting energy cost over conventional fixtures without LEDs and occupancy sensors
- LEDs provide years of maintenance- free operations without ever having to change a bulb
- Intelligent wireless RF system that links multiple fixtures to track occupancy eliminates the need for remote sensors and their associated wiring
- Occupancy tracking provides maximum security because each occupant is always surrounded by three floors of full power illumination
- Faster turn-on because occupancy sensor is intergrated into each fixture rather than being remotely mounted.
- Optional built-in battery backup operates for 90 minutes
- Vandal- resistant
- Utility rebates available in many areas.
- Also available in a ceiling Mount Version
- Complies with NYC Local Law 47 & Ashrae 90.1-2010
- Charges Photoluminescent tape
- Optional wireless occupancy sensor available for spaces with comple or unusaly shapes
- Fail safe in accordance with NFPA 101 for new and existing stairwells when installed properly
- 10 Year Limited Warranty

INSTALLATION

The XASW02 series dusk-to-dawn luminaire features a design that can be mounted to any vertical surface using lag bolts or other comparable and suitable anchors, with a wiring compartment that is easily accessible without the need to remove the lens or disassemble the fixture. The XASW02 can also be mounted to existing 1-1/2" or 1-5/8" pipe mounts, offering the installer the flexibility to satisfy many different mounting applications and requirements. This is especially useful when using the XASW02 to retrofit older dusk-to dawn luminaires.

HOW IT OPERATES

When the stairwell is unoccupied, the XASW02 fixtures runs at a low pre-set level of 7 watts input power and 500 Lumens illumination. As soon as occupancy is sensed by any of the installed XASW02 fixtures, an RF signal is transmitted to the fixtures on the floors immediately above and below the floor on which the motion is sensed, as well as to fixtures on intermediate landings. These fixtures then all switch to full input power mode of 29 watts and 2,650 Lumens illumination. This same sequence takes place for occupants on multiple levels and thus assures that occupants will never be walking towards dark spaces. As occupants walks up or down the stairwell, the integral fixture sensors detect their motion and automatically send RF signals to the fixtures in each occupants direction of travel, causing those fixtures to illuminate at full power. In this way all occupants are enveloped in curtains of full power after a specified amount of time, which is configurable on-site from 15 seconds to 15 minutes.

ORDER INFORMATION:

SERIES	INPUT POWER	POWER FACTOR	CCT	CRI	EFFICACY	AC INPUT
XASW02	7W	>0.95	5000°K	>65	>93 LPW	90-277 VAC (50-60Hz)