

Stairwell LED Fixture Solution

The Stairwell LED Fixture works with Lutron Radio Powr Savr wireless occupancy sensors (sold separately) to save energy and lower energy costs.



Features

- Universal input voltage 120–277 V~
 - Architectural design with concealed wireless control device
 - Uses Lutron LED dimming drivers
 - Wireless control device has occupied (high-end) and unoccupied (low-end) levels that can be preset to a specific location's code requirements for lighted stairwells
 - Fixture defaults to occupied light level (high-end) if sensor is unavailable
 - LED assembly is integrated into the fixture
 - Up to nine fixtures can have the same occupancy sensor associated to them, and up to nine occupancy sensors can be associated to a fixture within RF range
- Note:** This fixture is not compatible with Radio Powr Savr daylight sensors or Pico wireless controls.
- 2 ft (0.61 m) and 4 ft (1.22 m) options available.
 - Emergency driver options available
 - For details regarding the Lutron Radio Powr Savr Occupancy sensors, please visit:
www.lutron.com/en-US/products/Pages/sensors/occupancy-vacancy/wirelessradiopowrsavr/overview.aspx

Models Available

For a complete list of available model numbers, please see the **Ordering Guide** on page 3.

Configuration:

FXSW -
 └───┬─── Size
 └───┬─── Fixture Type



Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- Approved to UL® and CSA standards
- Meets ASHRAE 90.1 2010 additional control (9.4.1.6)
- IGCC (International Green Construction Code) Interior Light Reduction Controls (609.3) compliant
- All models are ADA compliant
- Fixtures are Design Lights Consortium® (DLC) qualified.

Power / Performance

Note: Luminaire rated at 100% light output.

- Universal input voltage 120–277 V~
- Total Harmonic Distortion (THD) <15%
- Power factor >0.95
- Class A sound rating
- 50,000 hours rated fixture life (LED and driver)
 - LED life rated at 70% initial lumens (L_{70})
- LED Features
 - 2 ft/0.61 m (16 W 1900 lm, 32 W 3500 lm) and 4 ft/1.22 m (22 W 2800 lm, 42 W 5100 lm) models available
 - LEDs have reliable dimming range from 100% to 1% light level
 - Uses Nichia LEDs; LM-80 report to 10,000 hours available
 - 4000 K color temperature LEDs

Environment

- 32 °F to 104 °F (0 °C to 40 °C)
- Relative humidity less than 90% non-condensing
- For indoor/dry location only

RF Range (sensor to wireless control device)

- 30 ft (9 m) through normal construction
- For details regarding the Lutron Radio Powr Savr Occupancy sensors, please visit:
www.lutron.com/en-US/products/Pages/sensors/occupancy-vacancy/wirelessradiopowrsavr/overview.aspx

Key Design Features

- 2 ft (0.61 m) and 4 ft (1.22 m) options available
- Lutron wireless control device with field-adjustable high-end occupied level and low-end unoccupied level with factory default settings of 80% (occupied) and 20% (unoccupied)
- Compatible with all Lutron Radio Powr Savr wireless occupancy sensors.
- Ceiling or wall surface mount
- Housing: 20 gauge white high-reflective pre-painted steel
- Frosted acrylic lens standard
- Smooth, continuous flicker free dimming
- Vandal resistant options available
- Custom options available for vandal resistant fixtures, 3500 K color temperature, and 8 ft (2.44 m) fixtures

<p>Job Name:</p> <p>Job Number:</p>	<p>Model Numbers:</p>
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Ordering Guide

Select appropriate code in each column to complete model number.

Example: FXSWLX4H

Product	Family	Fixture Type	Size
FX = Fixture	SW = Stairwell	LX = LED 4000 K	4H = 4 ft (1.22 m) High Power 42 W 5100 lm ¹
			4L = 4 ft (1.22 m) Low Power 22 W 2800 lm ¹
		LE = LED with Emergency LED Driver 4000 K	2H = 2 ft (0.61 m) High Power 32 W 3500 lm ¹
			2L = 2 ft (0.61 m) Low Power 16 W 1900 lm ¹

¹ Typical lumen (lm) values given.

Job Name:	Model Numbers:
Job Number:	

Photometric Data

4 ft (1.22 m) LED Fixture with Standard Acrylic Lens (FXSWLX4H)

42 W 4000 K

Measured in an Integrating Sphere

LIGHT OUTPUT (lm)	5171
INPUT POWER (W)	41.83
EFFICACY (lm/W)	123.6
COLOR ACCURACY (CRI)	83.9
COLOR TEMPERATURE (K)	3993

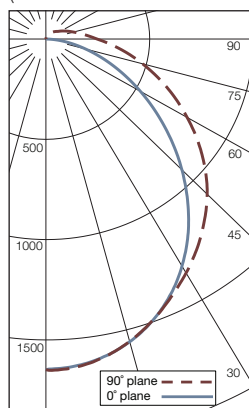
Measured with a Goniophotometer

Zonal Lumen Summary		
Zone	Lumen (lm)	% Luminaire
0-30	1248	24.9
0-60	3497	69.9
0-90	4667	93.3
90-180	366	6.7
0-180	5004	100.00

Candela Table			
Angle	0°	45°	90°
0°	1649	1649	1649
5°	1637	1635	1643
45°	934	1006	1097
90°	0	168	246

Candela Plot

(measured with fixture mounted on the ceiling)



NOTES:

- Photometric data and IES files for all products available upon request. Please e-mail fixtures@lutron.com or contact Lutron Technical Support at 1.800.523.9466.
- Photometric test results from LM-79 reports.

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Job Name:	Model Numbers:
Job Number:	

2 ft (0.61 m) LED Fixture with Standard Acrylic Lens (FXSWLX2L)

16 W 4000 K

Measured in an Integrating Sphere

LIGHT OUTPUT (lm)	1916
INPUT POWER (W)	15.74
EFFICACY (lm/W)	121
COLOR ACCURACY (CRI)	84.1
COLOR TEMPERATURE (K)	4007

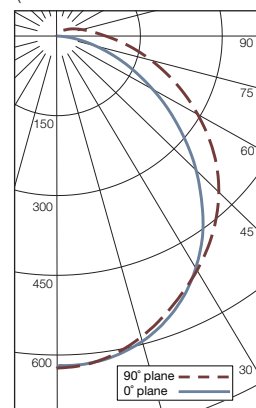
Measured with a Goniophotometer

Zonal Lumen Summary		
Zone	Lumen (lm)	% Luminaire
0-30	472	25.3
0-60	1323	70.9
0-90	1754	94.1
90-180	110	5.9
0-180	1865	100.00

Candela Table			
Angle	0°	45°	90°
0°	624.8	914	624.8
5°	618.8	622.7	619.8
45°	360.0	385.6	415.9
90°	0	62.2	89.3

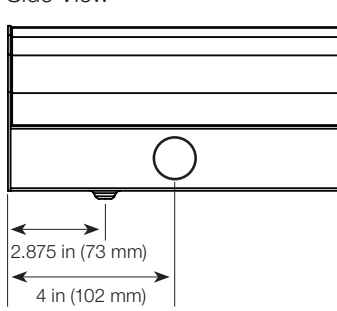
Candela Plot

(measured with fixture mounted on the ceiling)

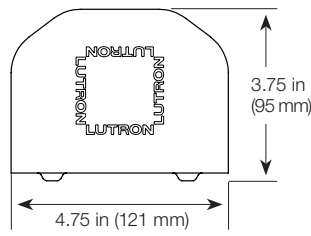


Dimensions

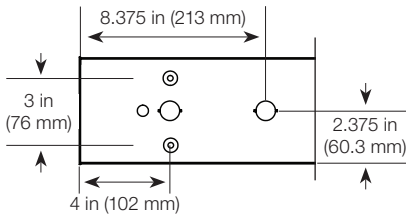
Side View



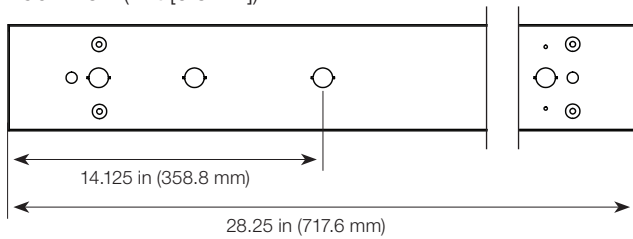
End View



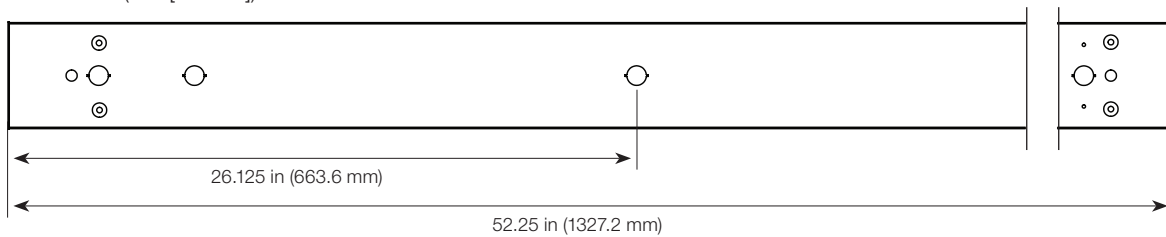
Back View



Back View (2 ft [0.61 m])



Back View (4 ft [1.22 m])



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