



FSTRS Smart Stairwell Sensor Series

Product Description

Fidelux FSTRS Smart Stairwell Sensor fixtures, available in 2, 4, and 8 foot lengths in various CCTs and wattages, efficiently and effectively illuminate stairwell landings and passageways in commercial, industrial, and multi-family applications. The FSTRS provides a visually appealing design as well as performance-driven inner components, thus producing a high quality luminaire that meets today's highest standards.

The S2 sensor has a detection range of up to 39 feet with standard mounting heights of up to 20 feet. It features both Occupancy and Daylight monitoring with step dimming, and differentiates between natural and artificial light. This allows the user to program on/off/dim operation based on both ambient light and occupancy, providing

greater energy efficient operation. An *Ambient Learn* function allows the user to fine-tune the S2's light sensing operation. Contact the factory for available default-to-on sensor operation. See option S1 for failsafe operation (100% standard brightness).

Industry-leading premium drivers feature 12V auxiliary output, allowing easy and rapid integration of sensors, wired/wireless, direct, and network controls, automation, and other connectivity.

S2 Sensors can link up to 15 wired units up to 100 feet. Contact factory for wireless linking.

Consult factory for custom controls including linking, wireless, and mobile.



The Fidelux FSTRS Smart Stairwell Sensor Series provides a wide application range and the flexibility to adapt to your sensing and control requirements

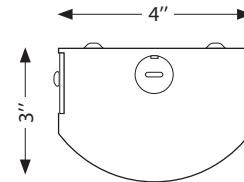


IK08

RoHS
COMPLIANT

Dimensions

ADA
COMPLIANT



Lengths
24" / 48" / 96"

Features & Benefits

- Class P LED driver
- 0-10V, 1-100% flicker-free dimming; Dim-to-off
- Step Dimming
- 12V auxiliary output from driver
- Available in 3000K, 3500K, 4000K and 5000K
- CRI >80
- Factory-installed emergency lighting option
- L70 >100,000 hrs
- 10 year warranty

Mounting

- Wall / Surface Mounting
- Suspended Mounting

Construction

- 22 gauge white powder coated steel
- IK08 88% transmission frosted polycarbonate lens

Listings

- ETL Damp Location
- DLC Premium*

S2 Sensor Features

- Occupancy and Daylight monitoring
- Differentiates between natural and artificial light
- Daylight dimming/off
- Tri-level dimming
- Motion sensor detects movement up to 39 feet
- Standard mounting heights up to 20 feet
- IR remote programming and

- testing via the S2RC remote
- Ambient Learn function allows the user to fine-tune S2 sensor performance
- Sensor can control up to 15 wired units up to 100 feet
- Contact factory for wireless linking
- Contact factory for available default-to-on sensor operation
- Failsafe option (S1)

Ordering Guide Example: FSTRS-4FT-40W-50K

| FSTRS | Series | Length | Wattage | CCT | Controls |
|-------|--------|--------|--------------------|---|---|
| FSTRS | FSTRS | 2FT | 20W, 30W | 30 (3000K) 35 (3500K)* 40 (4000K) 50 (5000K) | 0-10v Dimming (STD) S2 (12v DC Motion Sensor & PWM output w/ remote programming (S2RC)) S1 (S2 Sensor + Failsafe @ 100% brightness) S2RC (Hand-held Remote; order separately) |
| | | 4FT | 18W, 25W, 40W | | |
| | | 8FT* | 45W, 60W, 70W, 80W | | |

EM15-WG4

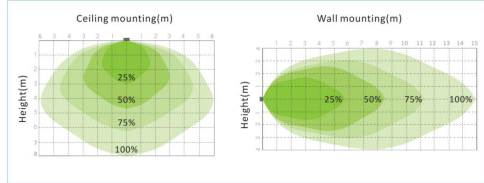
| Emergency | Options |
|--|---|
| EM8 (2' units) EM15 (4' units) EM30 (8' units) | WG(2, 4, 8) (Wire Guard; specify length) BP(2, 4, 8) (Back plate; specify length) SUK (3' Suspension Mount Kit) |

*DLC Pending for 3500K 8' units

S2 12V Low Voltage Programmable Occupancy Sensor



Detection Pattern



See option **S1** for continued operation in the event of sensor failure. This option provides the functionality of the S2 Sensor while automatically switching to 100% standard brightness.

S2 Remote



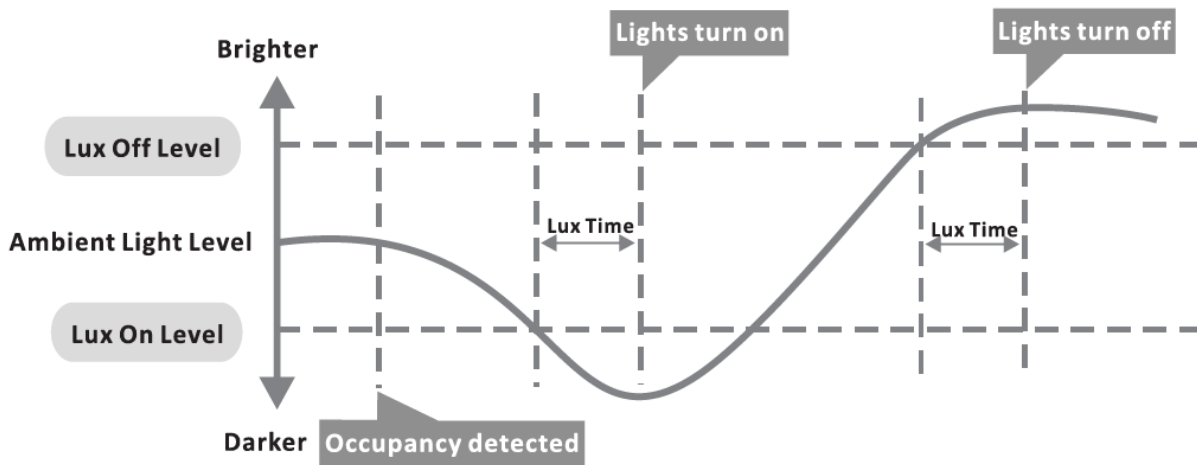
The S2RC Hand-Held Remote provides easy and wireless sensor programming and testing

Sensor Operation and Configurability

The S2 Sensor is designed to provide excellent performance out of the box. The S2 is also highly programmable, allowing the user to adjust sensitivity, ambient activation level, hold time, twilight time, and twilight level.

Combined with the S2's linking capabilities, these features enable a dynamic, highly energy-efficient means to create a well-lit and safe environment throughout a very wide range of applications.

Option S1 offers failsafe operation at 100% brightness in the event of a sensor failure.



Factory Defaults

- Sensitivity: 100%
- Daylight Sensing: Disabled
- Hold Time: 90 sec
- Standby time: Infinite
- Standby dimming level: 30%

Available Settings

- Sensitivity: 100%, 75%, 50%, 25%
- Daylight Sensing (lux): Disabled, 2, 10, 25, 50, 100, 300, Ambient Learn
- Hold time: 30s, 90s, 5m, 10m, 30m
- Standby time: 10s, 5m, 10m, 1h, Infinite
- Standby dimming level: 0%, 10%, 30%, 50%

FSTRS Series Specification Summary

| | 2FT (20W) | 2FT (30W) | 4FT (18W) | 4FT (25W) | 4FT (40W) | 8FT (45W) | 8FT (60W) | 8FT (70W) | 8FT (80W) |
|-------------------------------------|---|-----------|---------------|-----------|-----------|-----------------------|-----------|-----------|-----------|
| Efficacy lm/W @ 5000K | 134 lm/W | 134 lm/W | 134 lm/W | 133 lm/W | 134 lm/W | 121 lm/W | 131 lm/W | 125 lm/W | 124 lm/W |
| Wattage | 20W | 30W | 18W | 25W | 40W | 45W | 60W | 70W | 80W |
| Lumens @ 3000K | 2748 | 3781 | 2280 | 3200 | 5233 | 5854 | 7544 | 8863 | 10410 |
| Lumens @ 3500K* | 2770 | 3820 | 2300 | 3220 | 5270 | 5864 | 7556 | 8875 | 10423 |
| Lumens @ 4000K | 2810 | 3850 | 2320 | 3250 | 5320 | 5896 | 8104 | 9368 | 10328 |
| Lumens @ 5000K | 2870 | 3930 | 2370 | 3300 | 5410 | 5897 | 8102 | 9277 | 10766 |
| CRI | 84.1 | 84.3 | 84.6 | 84.4 | 84 | 84.2 | 84.4 | 84.1 | 84.3 |
| THD @ 120VAC | 22.5 % | 21 % | 23.3 % | 22.1 % | 21 % | 22.3% | 22.1% | 21.6% | 21% |
| Color Temperatures | 3000K / 3500K / 4000K / 5000K | | | | | 3000K / 4000K / 5000K | | | |
| Dimming | 0-10V | | | | | | | | |
| Input Voltage Options | 100-277VAC | | | | | | | | |
| Qualifications / DLC Primary Use | DLC Premium Stairwell and Passageway Luminaires; 8' 35K units pending | | | | | | | | |
| Power Factor | .876 | .883 | 0.894 | 0.877 | .98 | | | | |
| Viewing Angle | 180° | | | | | | | | |
| L70 Lifespan (TM21) | 100,000 | | | | | | | | |
| Ambient Working Temp | -13F to 131F (-25°C to +55°C) | | | | | | | | |
| Max Dimensions (in) | 24" x 4" x 3" | | 48" x 4" x 3" | | | 96" x 4" x 3" | | | |
| Total Weight | 3.5 lbs | | 5 lbs | | | 15 lbs | | | |
| Limited Warranty | 10 Yrs. | | | | | | | | |

Values are nominal *DLC Pending for 3500K 8' units

FSTRS Series Emergency Power Performance Summary

| Fixture | 18W Units | 20W Units | 25W Units | 30W Units | 40W Units | 45W Units | 60W Units | 70W Units | 80W Units |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| FSTRS-2FT-EM8 | | 1148 lm | | 1048 lm | | | | | |
| FSTRS-4FT-EM15 | 1975 lm | | 1980 lm | | 2029 lm | | | | |
| FSTRS-8FT-EM30 | | | | | | 7177 | 5383 | 4614 | 4037 lm |

Values are nominal