



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

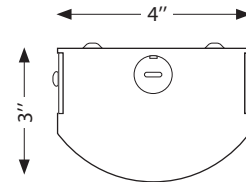


IK08

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
- 5 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	2FT	10W, 15W, 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	12W, 18W, 25W, 40W		
	8FT	45W, 60W, 70W, 80W		

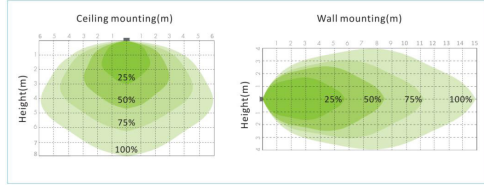
EM15-WG4

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)

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



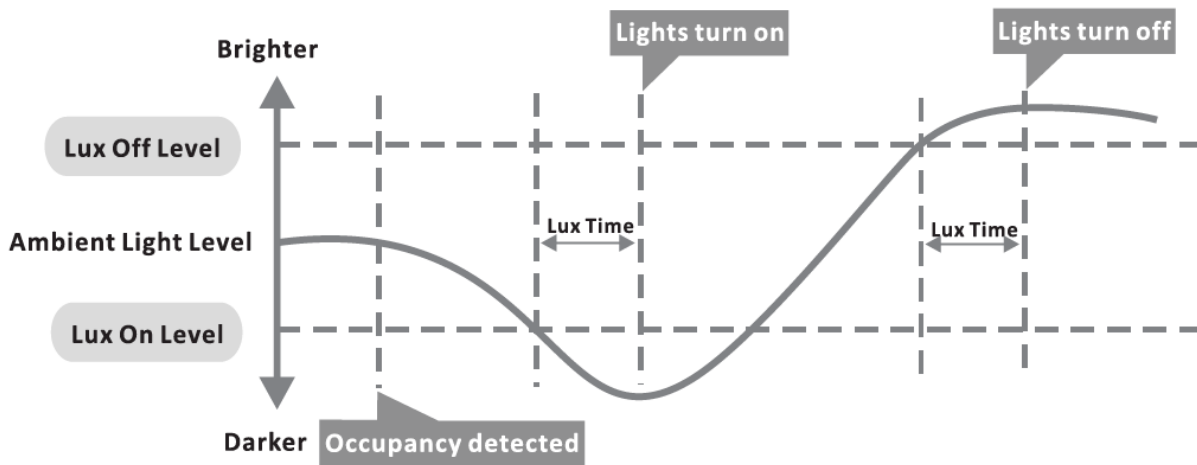
The S2RC Hand-Held Remote provides easy and wireless sensor programming and testing

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 (10W)	2FT (15W)	2FT (20W)	2FT (30W)	4FT (12W)	4FT (18W)	4FT (25W)	4FT (40W)	8FT (45W)	8FT (60W)	8FT (70W)	8FT (80W)
Efficacy lm/W @ 5000K	129	127	134	134	128	134	133	134	121	131	125	124
Wattage	10W	15W	20W	30W	12W	18W	25W	40W	45W	60W	70W	80W
Lumens @ 3000K	1179	1986	2748	3781	1737	2280	3200	5233	5854	7544	8863	10410
Lumens @ 3500K*	1219	2054	2770	3820	1760	2300	3220	5270	5864	7556	8875	10423
Lumens @ 4000K	1234	2078	2810	3850	1765	2320	3250	5320	5896	8104	9368	10328
Lumens @ 5000K	1198	2017	2870	3930	1744	2370	3300	5410	5897	8102	9277	10766
CRI	83.3	83.2	84.1	84.3	83.9	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											
Dimming	0-10V											
Input Voltage Options	100-277VAC											
Qualifications / DLC Primary Use	DLC Premium Stairwell and Passageway Luminaires											
Power Factor	.995	.994	0.876	0.883	.986	0.894	0.877	0.98	0.994	0.996	0.997	0.998
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	5 Yrs.											

Values are nominal

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