

FSTRS Vandalproof
Smart Stairwell Sensor Series

The Fidelux FSTRS Vandalproof Series features 22 gauge powder coated steel, tamperproof screws, lens securing flanges, and an IK08 impact-resistant lens

Product Description

Fidelux FSTRS Vandalproof Series of Smart Stairwell Sensor fixtures, available in 2, 4, and 8 foot lengths in various CCTs and wattages, are designed for applications requiring increased protection from vandalism and theft. Features include a high-impact lens and lens securing flanges, as well as tamperproof screws to prevent access to the internal driver and smart sensor technology. The Fidelux unit is right for potential high abuse areas. Optional heavy-duty wireguards are also available.

The sleek, contemporary design will complement any application without sacrificing ruggedness. Perfect for all stairwells and passageways in commercial, industrial, retail, and multi-family environments.

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.

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.



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

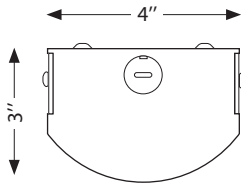


IK08

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 powder coated steel
- IK08 88% transmission frosted polycarbonate lens
- Tamperproof Screws
- Lens securing flanges

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-VP

FSTRS					VP
Series	Length	Wattage	CCT	Controls	Security
FSTRS	2FT	20W, 30W	30 (3000K) 35 (3500K) 40 (4000K)	0-10v Dimming (STD) S2 (12V DC MW Sensor and PWM output) S1 (S2 Sensor + Failsafe @ 100% brightness) S2RC (Hand-held Remote; order separately)	VP (Vandalproof) See VP Security tool/bit in Options
	4FT	18W, 25W, 40W	50 (5000K)		
	8FT	45W, 60W, 70W, 80W			

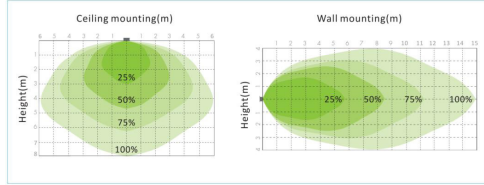
EM15-VPT-WG4

Emergency	Options
EM8 (2' units) EM15 (4' units) EM30 (8' units)	VPT (#8/32 Security tool/bit; order separately) 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



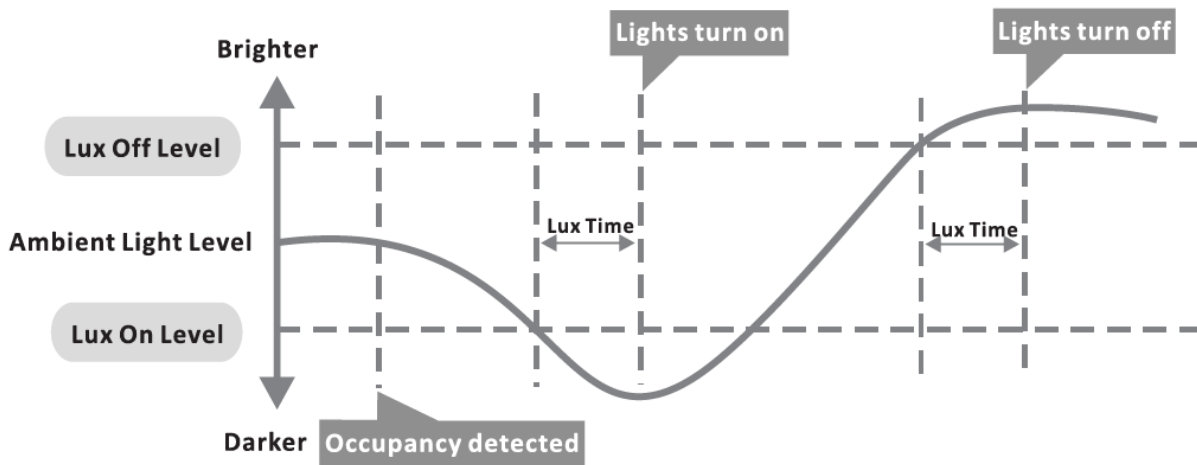
The S2RC Hand-Held Remote provides easy and wireless sensor programming and testing

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 (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								
Dimming	0-10V								
Input Voltage Options	100-277VAC								
Qualifications / DLC Primary Use	DLC Premium Stairwell and Passageway Luminaires								
Power Factor	0.876	0.883	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