Fidelux

FSTRS
Smart Stairwell Sensor Series

The FSTRS Smart Stairwell Sensor Series is ready for customization

IoT · Bluetooth · MESH · Z-WAVE · DALI 2 · EnOcean Self-powered IoT

Product Description

Fidelux FSTRS Smart Stairwell Sensor fixtures, available in 2 and 4 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.

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

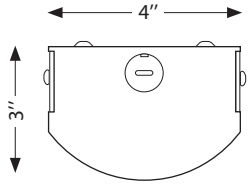
S2 Sensors can link up to 15 wired units up to 100 feet. Contact factory for wireless linking.

Consult factory for custom controls including Bluetooth w/ real time data, mobile control, IR sensors, linking, IOT, DMX, DALI, and remote drivers.

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

10 YEARS WARRANTY · ETL LISTED · DLC QPL LISTED PREMIUM · IK08 · RoHS COMPLIANT

Dimensions



Lengths

24″ / 48″

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 (4ft 18W & 25W pending)

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

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

FSTRS						EM15-WG4	
Series	**Length**	**Wattage**	**CCT**	**Controls**	**Lens**	**Emergency**	**Options**
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)) **S2RC** (Hand-held Remote; order separately)	Frosted Lens (STD) *Contact factory for additional lens options.*	**EM8** (8W; all models) **EM15** (15W; 4′ units only)	**WG2** (2ft Wire Guard) **WG4** (4ft Wire Guard) **BP2** (2′ Back plate) **BP4** (4′ Back plate) **SUK** (4′ Suspension Mount Kit)
	4FT	**18W*** **25W*** **40W**					

**DLC Pending*

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Specifications may change without notice

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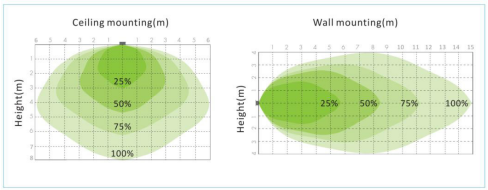
Project Name:
Type:
Date:

S2 12V Low Voltage Programmable Occupancy Sensor

Detection Pattern



S2 Remote

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

Flexibility and Customization

The FSTRS Sensor Series is ready for customization. The amazing flexibility of this product allows for wide application, sensor, and controls flexibility and customization. Please contact us to discuss how we can build the product to your specifications.

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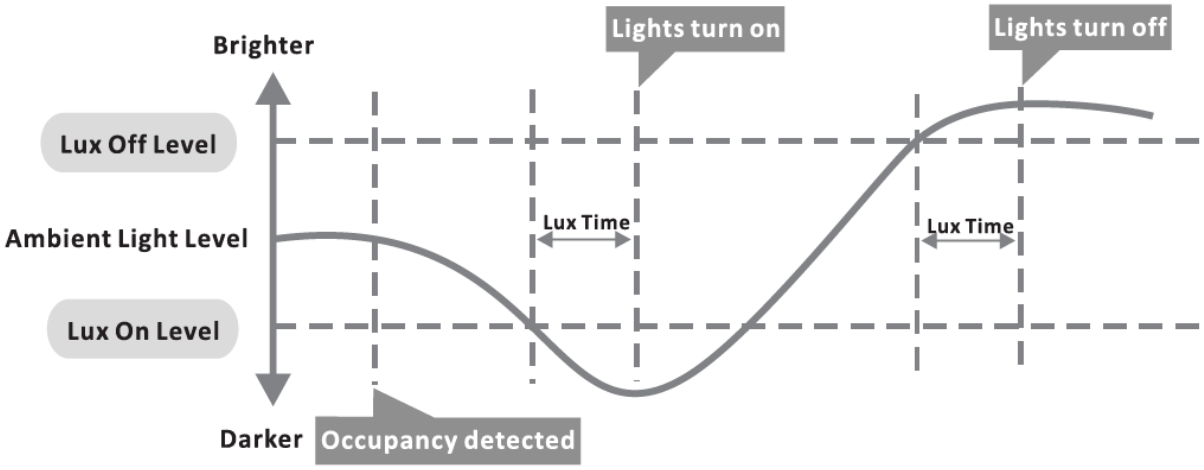
Sensor Operation and Configurability

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.



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%*

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Project Name:
Type:
Date:

FSTRS Series Specification Summary

	FSTRS-2FT (20W)	FSTRS-2FT (30W)	FSTRS-4FT (18W)	FSTRS-4FT (25W)	FSTRS-4FT (40W)
Efficacy lm/W @ 5000K	134 lm/W	134 lm/W	134 lm/W	133 lm/W	134 lm/W
Wattage	20W	30W	18W	25W	40W
Lumens @ 3000K	2748	3781	2280	3200	5233
Lumens @ 3500K	2770	3820	2300	3220	5270
Lumens @ 4000K	2810	3850	2320	3250	5320
Lumens @ 5000K	2870	3930	2370	3300	5410
CRI	84.1	84.3	84.6	84.4	84
THD @ 120VAC	22.5 %	21 %	23.3 %	22.1 %	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; 4ft 18W & 25W 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”		
Total Weight	3.5 lbs		5 lbs		
Limited Warranty	10 Yrs.				

Values are nominal

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