

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Sleek design for direct lighting in stairwells and hallways
- IK10 rated for demanding environments
- High-performance up to 142 lm/W
- Optional end- or side-mount occupancy sensors provide added energy-efficiency
- Attractive, high-impact frosted acrylic lens
- Heavy-duty 16-gauge C.R.S. spot-welded housing
- Multiple dimming protocols available
- Optional tamper-resistant screws for vandal-prone areas
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 16-gauge C.R.S.
- SHIELDING – Frosted high-impact acrylic lens, .100" thick.
- FINISH – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High-quality mid-power LED board. Rated for 50,000 hours at 70% lumen maintenance (L70). 25°C maximum ambient operating temperature.
- MOUNTING – Wall and surface mount.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IK10 rated
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at www.designlights.org/QPL.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: SLF - 4 - L98/835 - HIA - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
SLF	2 2'	2'	8 80	27 2700K	HIA Frosted high-impact acrylic, lens secured with Phillips head screws.
	4 4'	L13 1,300lm	9 90 ^[2]	30 3000K	HIA/TP Frosted high-impact acrylic with tamper resistant screws. ^[3]
		L26 2,600lm		35 3500K	
		L45 4,500lm		40 4000K	
		4'		50 5000K	
		L26 2,600lm			
		L52 5,200lm			
		L98 9,800lm			

OPTIONS^[4]

- EM/10W** 10-watt emergency battery^[6]
- EM/10WLP** Low-profile 10-watt emergency battery^[7]
- (L___)** Additional lower lumen packages available.^[8]
Example: 8,000 lumens = SLF-4-L98/835-(L80)
- PSBR/120** Single-circuit bottom-mounted pull switch on right^[9]
- PSBL/120** Single-circuit bottom-mounted pull switch on left^[10]

CONTROL^[5]

See page 5 for ADDITIONAL CONTROL OPTIONS.

- None
- AVI-LVFA** Avi-on wireless fixture control^[11]
- AVI-LVFA-PIR** Avi-on wireless fixture control with high bay PIR motion and daylight sensor, bottom mount^[12]
- AWNRR** Lutron Athena wireless node integral fixture control, RF only^[13]

DRIVER

See page 3 for ADDITIONAL CONTROL/ DRIVER OPTIONS.

- DIM** Driver with external dimming wires
- DRV** Driver without external dimming wires
- DA** Driver with 12V auxiliary power, without external dimming wires^[14]

DSR Sensor-ready driver without external dimming wires (DAi DALI-2)^[15]

SD40 Step-dimming driver, 40% light output^[16]

SD50 Step-dimming driver, 50% light output^[17]

VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V
- 347** 347V^[18]

ACCESSORIES

TPSN-8 TOOL #8, tamper-resistant snake eyes tool^[19]

NOTES

- ¹ Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- ² Extended lead times may apply. Consult factory for availability.
- ³ Tamper-resistant (TPSN-8) tool is required with HIA/TP option, must be ordered separately, see Accessories.
- ⁴ See page 2 for FINISH OPTIONS. Custom color available upon request.
- ⁵ See page 3 for SENSOR PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- ⁶ 4' only.
- ⁷ 2' only.
- ⁸ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁹ 120V only.

- ¹⁰ 120V only.
- ¹¹ DA Driver only.
- ¹² DA Driver only.
- ¹³ DA and DSR Drivers only.
- ¹⁴ Avi-on and Lutron Athena Controls only.
- ¹⁵ Lutron Vive and Athena Controls only.
- ¹⁶ When specified with occupancy sensor option, one leg of the driver will be tied to the sensor by default.
- ¹⁷ When specified with occupancy sensor option, one leg of the driver will be tied to the sensor by default.
- ¹⁸ Not available with EM batteries, DA, or DSR drivers.
- ¹⁹ Required with HIA/TP Shielding. Tamper-resistant tool must be ordered separately. Please specify quantity required per project.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	L13	1338	10.1	132
	L26	2780	21.3	131
	L45	4634	34.4	135
4'	L26	2862	20.1	142
	L52	5092	37.2	137
	L98	9815	74.8	131

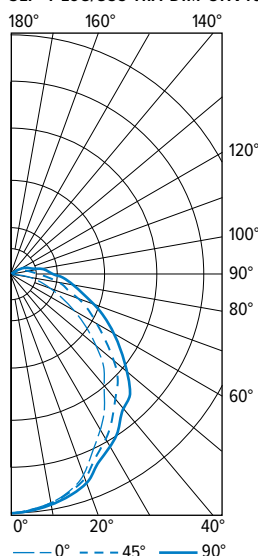
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

PHOTOMETRY

SLF-4-L98/835-HIA-DIM-UNV Total Luminaire Output: 9815 lumens; 74.8 Watts | Efficacy: 131.3 lm/W | 80 CRI; 3500K CCT

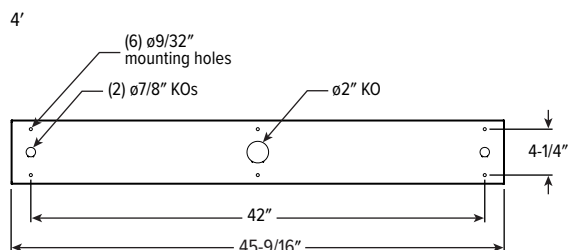
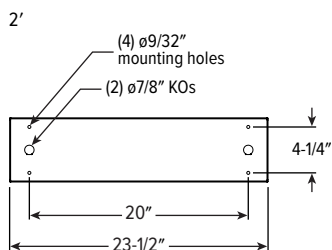


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	3169	3169	3169	
	5	3203	3143	3139	299.3
	15	3039	3024	3035	853
	25	2738	2775	2839	1280
	35	2330	2427	2554	1520
	45	1839	1995	2200	1541
	55	1291	1552	1805	1380
	65	794	1139	1375	1098
	75	369	746	977	759
	85	52	448	672	464
	90	6	348	560	
	95	2	262	459	273
	105	0	140	291	153
	115	0	84	190	91
	125	0	52	122	53
	135	0	32	72	28
	145	0	21	43	14
	155	0	13	31	6
165	0	0	13	1	
175	0	0	0	0	
180	0	0	0		

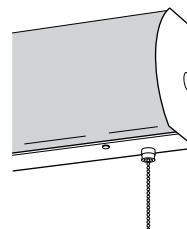
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2432	25
	0 - 40	3953	40
	0 - 60	6874	70
	0 - 90	8732	89
	90 - 120	9196	94
	90 - 150	517	5
	90 - 180	611	6
	0 - 180	9815	100

FIXTURE DETAILS

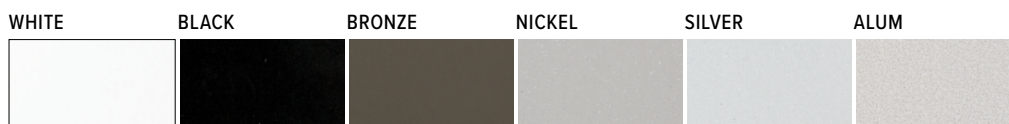
BACKVIEW



PULL SWITCH



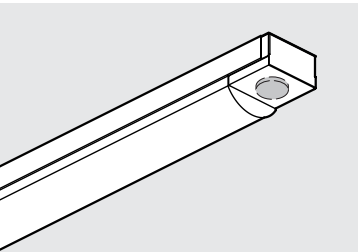
FINISH OPTIONS



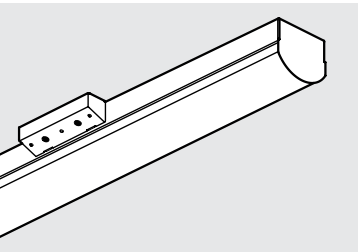
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

SENSOR PLACEMENT DETAILS

AVI-LVFA | WS-FSP-311 | WS FSP-321



WS-FS-505



ADDITIONAL CONTROL/DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power
AWNDR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power
AWNDR/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2)
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver

SEE NEXT PAGE FOR CONTROL DETAILS.

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

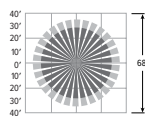
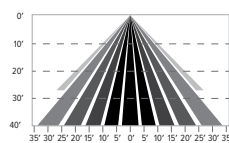
AVI-LVFA-PIR Avi-on wireless fixture control with high bay PIR motion and daylight sensor, bottom mount. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-on wireless fixture controls plus desktop and mobile apps
MANUFACTURER	Avi-On

SENSOR COVERAGE PATTERNS

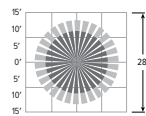
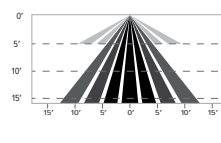
Large motion

40' height: ø68' coverage



Small motion

15' height: ø28' coverage



SENSOR DETAIL



Dimensions: 2-5/16" x 1-7/16"



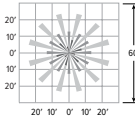
ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-311-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.
OCCWS-FSP-321-L_-120-480 Wattstopper PIR motion and daylight sensor using 0-10V internal control, 120V-480V. Must specify lens: L2, L3, or L7. Factory installed.
OCCWS-FSP-211-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.
OCCWS-FSP-221-L_-120-480 Wattstopper PIR motion and daylight sensor using 0-10V internal control, 120V-480V. Must specify lens: L2, L3, or L7. Factory installed.
FSIR-100 Remote controller for 211 and 221 sensors. Please specify quantity required per project. Ordered and shipped separately.

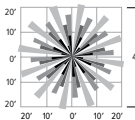
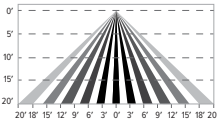
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 321 Sensors: App (iOS or Android) 211 221 Sensors: FSIR-100 Remote

SENSOR COVERAGE PATTERNS

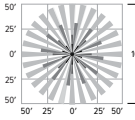
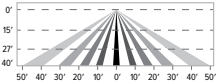
L2 8' height: ø48' coverage



L3 20' height: ø40' coverage



L7 40' height: ø100' coverage



SENSOR DETAIL



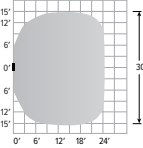
OCCWS-FS-505-PP-___ Wattstopper low voltage ultrasonic motion sensor with power pack. Must specify voltage: 120, 277, or 347V.

SPECIFICATIONS	
TYPE	Ultrasonic Motion
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	5 to 95%, non-condensing

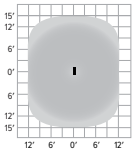
SENSOR COVERAGE PATTERNS

8' height: ø27' coverage

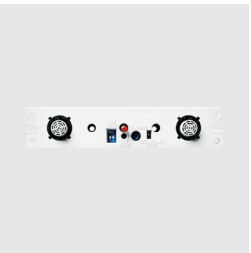
20° from vertical



Parallel to floor



SENSOR DETAIL



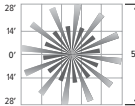
OCCSS LSXR-10-120-277 Sensor Switch PIR motion sensor, 120-277V

OCCSS LSXR-10-347/480 Sensor Switch PIR motion sensor, 347/480V

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	7' – 15'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 60°C
RELATIVE HUMIDITY	Up to 90% non-condensing

SENSOR COVERAGE PATTERNS

9' height: ø56' coverage



SENSOR DETAIL

