

CATALOG #: _____

Type: _____

PROJECT: _____



FEATURES

- Narrow fixture design is suitable for high-bay aisle applications
- Heavy-gauge aluminum housing for maximum heat dissipation
- Shallow fixture depth of less than 4" allows fixture placement near the ceiling for maximum space utilization
- Easy access to driver without the removal of LED modules
- Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply
- Variety of mounting options
- High-performance up to 162 lm/W
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – .040" die-formed aluminum housing.
- 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 boards. 50°C maximum ambient operating temperature with HA Option, lumen restrictions apply. See fixture performance data for lumen maintenance. 25°C maximum ambient operating temperature.
- MOUNTING** – Suspended.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - 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: GLN - 4 - L105/840 - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	LENGTH	LUMENS ⁽¹⁾	CRI	CCT
GLN	4' 4"		8 80	35 3500K
	8' 8"	L63 6,300lm		40 4000K
		L105 10,500lm		50 5000K
		L150 15,000lm		
	8'	L126 12,600lm		
		L210 21,000lm		
		L300 30,000lm		

OPTIONS ⁽²⁾

EM/10W (L__)	10-watt emergency battery Additional lower lumen packages available Example: 9,000 nominal lumens = GLN-4-L105/840-(L90) ⁽³⁾	GC2/Y18/5 GC2/Y18/10 3SB HUB MT 3/4"	(2) Cable suspension kits, 5' length (2) Cable suspension kits, 10' length (2) 3" spacer brackets Cast iron hub and junction box for single 3/4" pendant mount ⁽⁸⁾
S7238/B	72" cord, 3-conductor, No. 18 AWG, black ⁽⁴⁾	HUB/HOOK MT HOOK/CABLE SCHA118	Cast iron hub with mounting hook ⁽⁹⁾ Hook and cable mounting kit, 10' Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
S7258/B	72" cord, 5-conductor, No. 18 AWG, black ⁽⁵⁾	SAF118	Steel door frame, non-prismatic diffuse acrylic, .118" thick
6CPI/L5-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 120V ⁽⁶⁾	SP1	10kV surge protection, 120 or 277V
6CPI/L7-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 277V ⁽⁷⁾	SP2	10kV surge protection, 208 or 240V
WG11	11-gauge wireguard, white powder coated	SP3	10kV surge protection, 347 or 480V
VBY	(2) Y-hangers	HA	High ambient operating temperature, 50°C ⁽¹⁰⁾
VBY-2	(2) Y-hangers with 2' chains		

CONTROL ⁽¹¹⁾

See page 5 for **ADDITIONAL CONTROL OPTIONS**.

–	None
AVI-LVFA	Avi-on wireless fixture control ⁽¹³⁾
AVI-LVFA-PIR-ELB	Avi-on wireless fixture control with PIR motion and daylight sensor, end mount ⁽¹⁴⁾

DRIVER

See page 3 for **ADDITIONAL DRIVER OPTIONS**.

DIM	Driver with external dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires ⁽¹⁵⁾

VOLTAGE ⁽¹²⁾

120	120V
208	208V
240	240V
277	277V
UNV	120-277V
347	347V ⁽¹⁶⁾
480	480V ⁽¹⁷⁾

NOTES

- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for **FIXTURE PERFORMANCE DATA**. Additional lumen packages available, see options.
- See page 2 for **MOUNTING DETAILS**.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- DRV only.
- DIM only.
- DRV only.
- DRV only.
- Shipped not attached. 4' only.

- Shipped not attached, 4' only.
- L105 max for 4', L210 max for 8'. Not available with EM batteries.
- See page 3 for **SENSOR PLACEMENT DETAILS**. See page 4 for **AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS**.
- Must specify voltage (not UNV) if using cord and plug or occupancy sensor.
- DA Driver only.
- DA Driver only.
- Avi-on Controls only.
- Not available with EM battery or DA Driver.
- Not available with EM battery or DA Driver.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	STANDARD (NO LENS)		SCHA118		SAF118		LUMEN MAINTENANCE ^[1]		
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	L80	L85	L90
4'	L63	42.3	6395	151	5564	132	5372	127	72,000	58,000	36,000
	L105	65.3	10612	163	9657	148	9445	145	72,000	72,000	50,000
	L150	101.2	15043	149	13689	135	13388	132	72,000	58,000	36,000
8'	L126	81.7	12629	155	11492	141	11240	138	72,000	58,000	36,000
	L210	136.5	21223	155	19313	141	18888	138	72,000	72,000	50,000
	L300	202.4	30086	149	27378	135	26777	132	72,000	58,000	36,000

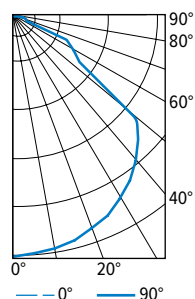
- ¹ Predicted lumen maintenance calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- Photometrics tested in accordance with IESNA LM-79. Results based on no shielding, 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. 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
3500K	0.97
4000K	1.00
5000K	1.03

PHOTOMETRY

GLN-4-L105-840-DIM-UNV Total Luminaire Output: 10612 lumens; 65.3 Watts | Efficacy: 163 lm/W | 80 CRI; 4000K CCT

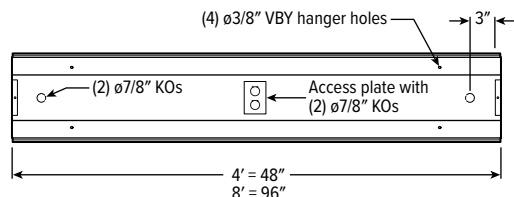


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3868	3868	3868	
5	3929	3839	3833	367
15	3814	3751	3739	1061
25	3568	3528	3535	1632
35	3232	3193	3232	2010
45	2767	2786	2815	2147
55	2144	2244	1277	1823
65	1403	884	926	1106
75	639	161	187	383
85	34	74	71	83
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3060	29
	0 - 40	5070	48
	0 - 60	9040	85
	0 - 90	10612	100
	0 - 180	10612	100

FIXTURE DETAILS

BACKVIEW



MOUNTING DETAILS

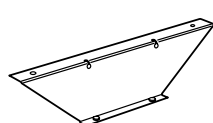
GC2/Y18/_



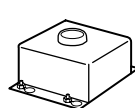
VBY | VBY-2



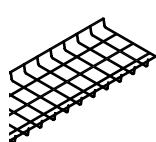
3SB SPACER BRACKET



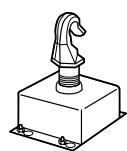
HUB MT 3/4" NPT



WG11



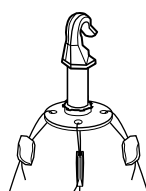
HUB/HOOK MT



Mounting hook with safety screw allows easy replacement of existing HID fixtures. Hook attaches to the fixture with 3/4" NPT cast iron hub and junction box.

A 10' long aircraft cable and Y style hanger with toggle clips are factory furnished for leveling fixture from single support.

HOOK/CABLE



Hook and 10' cable mounting kit. Mounting hook is secured to the structure by eye bolt or loop (furnished by others).

Attached at the base of the hook is a circular mounting plate with four (4) 10' adjustable cables, oriented in 90° intervals, suspended below.

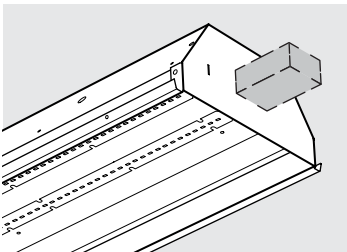


ADDITIONAL DRIVER OPTIONS

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

CATALOG NUMBER	DESCRIPTION
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)
DA	Driver with 12V auxiliary power
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

SENSOR PLACEMENT DETAILS



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

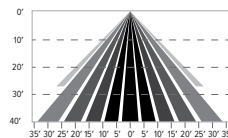
For load controllers and additional accessory info, see hew.com/avi-on

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

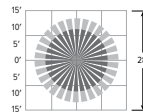
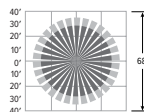
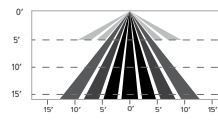
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop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

SENSOR COVERAGE PATTERNS

Large motion
40' height: ø68' coverage



Small motion
15' height: ø28' coverage



SENSOR DETAIL



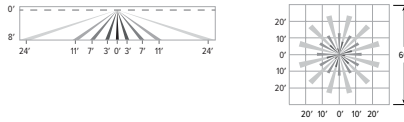
ADDITIONAL CONTROL OPTIONS

OCCWS-FSP-321B-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-221B-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 221B sensor. Please specify quantity required per project. Ordered and shipped separately.

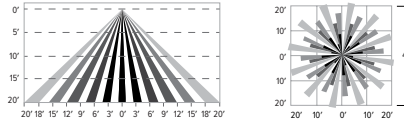
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	321B Sensor: App (iOS or Android) 221B Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS

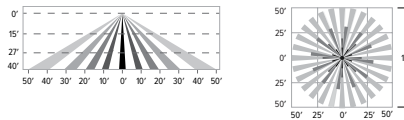
L2 8' height: ø48' coverage



L3 20' height: ø40' coverage



L7 40' height: ø100' coverage



SENSOR DETAIL

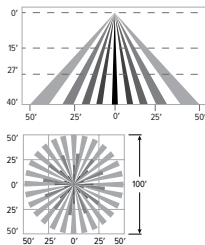


OCCWS-HBP-111-L7-120/277/347 Wattstopper PIR motion and daylight hold off sensor, 120/277/347V. Adjustable via remote. Optional FSIR-100 remote controller available.
FSIR-100 Remote controller for HBP-111 sensor. Please specify quantity required per project. Ordered and shipped separately.

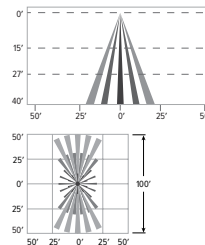
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	15' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 70°C
RELATIVE HUMIDITY	5 to 95%, non-condensing
COMMISSIONING	FSIR-100 Remote

SENSOR COVERAGE PATTERNS

40' height: ø100' coverage



With mask: 40' height: ø50' coverage



SENSOR DETAIL

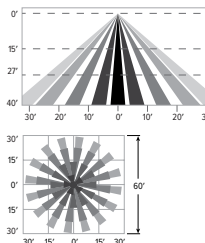


OCCLV-OSFHU-ITW-120-347 Leviton PIR motion sensor, 120-347V
OCCLV-OSFHU-I4W-208/240/480 Leviton PIR motion sensor, 208/240/480V

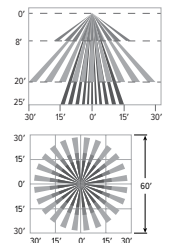
SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	8' – 40'
LENS	Interchangeable high bay, low bay or aisle mask
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 71°C
RELATIVE HUMIDITY	20% to 90% non-condensing

SENSOR COVERAGE PATTERNS

**High bay
40' height: ø60' coverage**



**Low bay
25' height: ø60' coverage**



SENSOR DETAIL

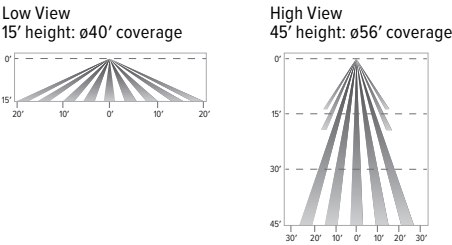


OCCSS LSXR-6-120-277 Sensor Switch PIR motion sensor, 120-277V

OCCSS LSXR-6-347/480 Sensor Switch PIR motion sensor, 347/480V

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	15' – 45'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 60°C
RELATIVE HUMIDITY	Up to 90% non-condensing

SENSOR COVERAGE PATTERNS



SENSOR DETAIL

