

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
- Available with Avi-on wireless fixture controls
- 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. 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.
- 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	OPTIONS ^[2]
GLN	4 4'	4'	8 80	35 3500K	EM/10W 10-watt emergency battery Additional lower lumen packages available Example: 9,000 nominal lumens = GLN-4-L105/840-(L90) ^[3] S7238/B 72" cord, 3-conductor, No. 18 AWG, black ^[4] S7258/B 72" cord, 5-conductor, No. 18 AWG, black ^[5] 6CPI/L5-15P/TWLK 6' cord and NEMA twistlock 15 AMP plug, 120V ^[6] 6CPI/L7-15P/TWLK 6' cord and NEMA twistlock 15 AMP plug, 277V ^[7] WG11 11-gauge wireguard, white powder coated VBV (2) Y-hangers VBV-2 (2) Y-hangers and (2) 2' chains GC2/Y18/5 Cable suspension kit, 5' length ^[8] GC2/Y18/10 Cable suspension kit, 10' length ^[9] 3SB 3" spacer bracket ^[10] HUB MT 3/4" Cast iron hub and junction box for single 3/4" pendant mount ^[11] HUB/HOOK MT Cast iron hub with mounting hook ^[12] HOOK/CABLE Hook and cable mounting kit, 10' SCHA118 Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick SAF118 Steel door frame, non-prismatic diffuse acrylic, .118" thick
	8 8'	L63 6,300lm L105 10,500lm L150 15,000lm		40 4000K	
		8'		50 5000K	
		L126 12,600lm L210 21,000lm L300 30,000lm			

CONTROL ^[13]

–	None
AVI-LVFA	Avi-on wireless fixture control ^[16]
AVI-LVFA-PIR-ELB	Avi-on wireless fixture control with PIR motion and daylight sensor, end mount ^[17]

DRIVER ^[14]

DIM	Driver with external dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires ^[18]

VOLTAGE ^[15]

120	120V
277	277V
UNV	120-277V
480	480V ^[19]

NOTES

- Lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- See page 3 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.
- 1 pair.
- 1 pair.
- 1 pair.
- 1 pair.
- Shipped not attached. 4' only.
- Shipped not attached. 4' only.
- See page 5 for ADDITIONAL CONTROL OPTIONS. See page 3 for SENSOR PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- See page 3 for ADDITIONAL DRIVER OPTIONS.
- 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 Avi-on Controls.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	STANDARD (NO LENS)		SCHA118		SAF118		LUMEN MAINTENANCE		
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	L80	L85	L90
4'	L63	42.3	6395	151.3	5564	131.6	5372	127.1	72,000	58,000	36,000
	L105	65.3	10612	162.6	9657	148.0	9445	144.7	72,000	72,000	50,000
	L150	101.2	15043	148.6	13689	135.3	13388	132.3	72,000	58,000	36,000
8'	L126	81.7	12629	154.6	11492	140.6	11240	137.6	72,000	58,000	36,000
	L210	136.5	21223	155.5	19313	141.5	18888	138.4	72,000	72,000	50,000
	L300	202.4	30086	148.6	27378	135.2	26777	132.3	72,000	58,000	36,000

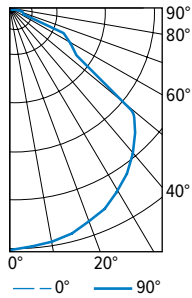
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Predicted lumen maintenance calculated from LED manufacturer IES LM-80 data and In situ temperature measurement.
- Predicted lumen maintenance calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- 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

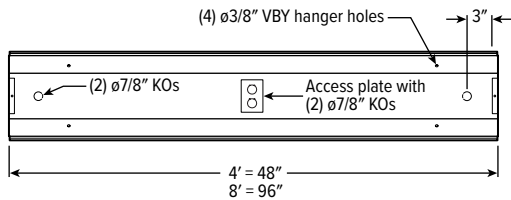


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3868	3868	3868	
5	3929	3839	3833	367
15	3814	3751	3739	1061
25	3568	3528	3535	1632
35	3232	3193	3232	2010
45	2767	2786	2815	2147
55	2144	2244	1277	1823
65	1403	884	926	1106
75	639	161	187	383
85	34	74	71	83
90	0	0	0	

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

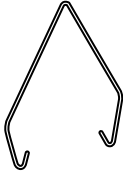


MOUNTING DETAILS

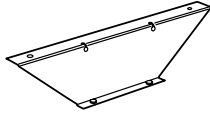
GC2/Y18/_



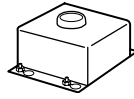
VBY | VBY-2



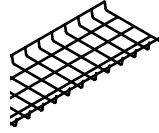
3SB SPACER BRACKET



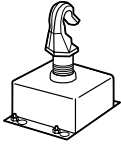
HUB MT 3/4"



WG11



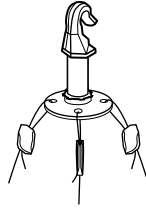
HUB/HOOK MT



Mounting hook with safety screw allows easy replacement of existing HID fixtures. Hook attaches to the fixture with 3/4" 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).

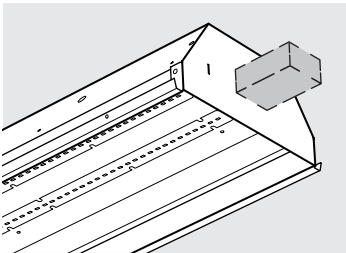
Attached at the base of the hook is a circular mounting plate with four (4) 10' adjustable cables, oriented in 90° intervals, suspended below.

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	Dimming driver with 12V auxiliary
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

AVI-ON NETWORK 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 warehouses
- Flexible control strategies

Secure

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

DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App

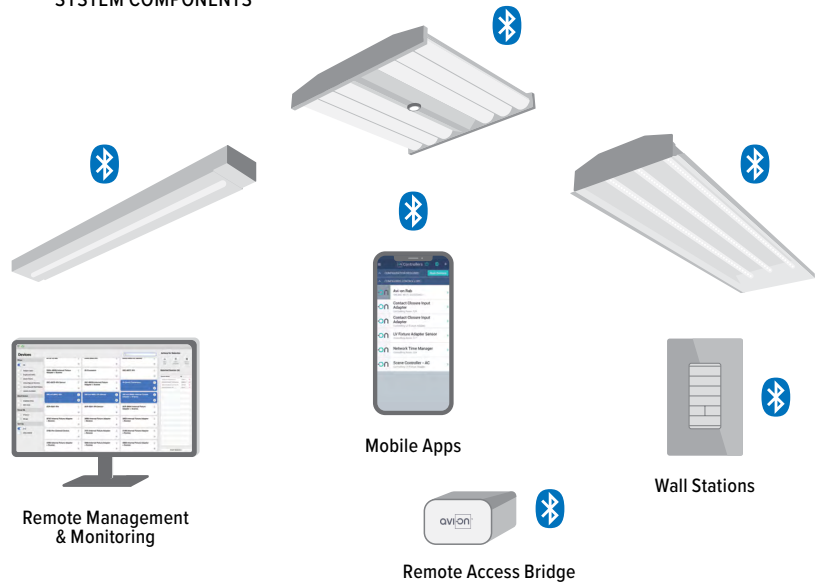


Zone Scanner Web App



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
CONNECTIVITY	
AVI-2001RAB-01-P	Remote access bridge for projects 100 or greater
AVI-2001RAB-01-C	Remote access bridge for projects less than 100
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.

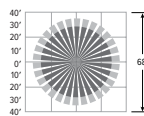
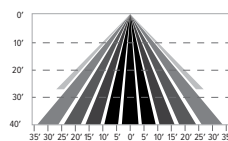
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 45'
LENS	Single lens detects high and low bay motion.
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 70°C
RELATIVE HUMIDITY	90 to 95% at 30°C
COMMISSIONING	App (iOS or Android)
SYSTEM REQUIREMENTS	Avi-On wireless fixture controls plus desktop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



SENSOR COVERAGE PATTERNS

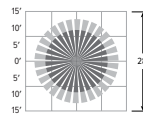
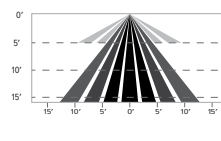
Large motion

40' height: ø68' coverage



Small motion

15' height: ø28' coverage



SENSOR DETAIL



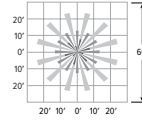
ADDITIONAL CONTROL OPTIONS

WS-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.

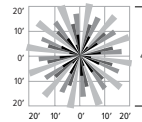
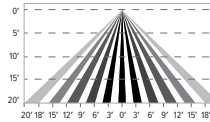
SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

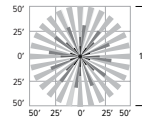
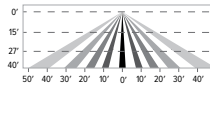
L2 8' height: ø48' coverage



L3 20' height: ø40' coverage



L7 40' height: ø100' coverage



SENSOR DETAIL



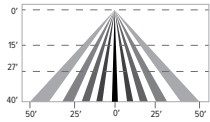
WS-HBP-111-L7-120/277/347 Wattstopper PIR motion and daylight hold off sensor, 120/277/347V. Adjustable via remote. Optional FSIR-100 remote controller available.

FSIR-100 Remote controller for HBP-111 sensor. Please specify quantity required per project. Ordered and shipped separately.

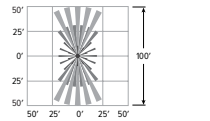
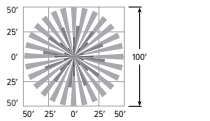
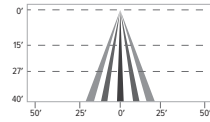
SPECIFICATIONS	
TYPE	PIR Motion + Daylight Hold Off
MOUNTING HEIGHT	15' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 70°C
RELATIVE HUMIDITY	5 to 95%, non-condensing
COMMISSIONING	FSIR-100 Remote

SENSOR COVERAGE PATTERNS

40' height: ø100' coverage



With mask: 40' height: ø50' coverage



SENSOR DETAIL



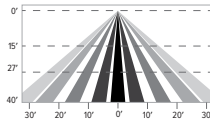
LV-OSFHU-ITW-120-347 Leviton PIR motion sensor, 120-347V

LV-OSFHU-I4W-208/240/480 Leviton PIR motion sensor, 208/240/480V

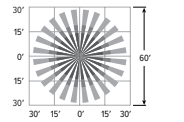
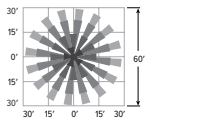
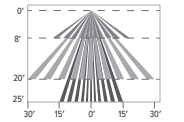
SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	8' – 40'
LENS	Interchangeable high bay, low bay or aisle mask
DETECTION ANGLE	360°
TEMPERATURE RANGE	-10° to 71°C
RELATIVE HUMIDITY	20% to 90% non-condensing

SENSOR COVERAGE PATTERNS

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



**Low bay
25' height: ø60' coverage**



SENSOR DETAIL

