



FEATURES

- Scalable design up to 72,000 lumens
- Optimized for single-person installation
- Multiple shielding and distribution options
- High-performance up to 154 lm/W
- Frosted lens reduces glare
- Energy-saving alternative designed to replace traditional HID or fluorescent high bay fixtures
- Variety of mounting options for surface and suspended applications
- Available with Avi-on wireless fixture controls
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING Die-formed steel housing.
- SHIELDING Frosted acrylic.
- 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. L70 at 65,000 hours. 40°C maximum ambient operating temperature standard. 55°C max when specified with HA option. 45°C max when specified with EM battery.
- MOUNTING Suspended. Surface mount kit available. Indoor applications only.
- LISTINGS
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at 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: GH - 2 - L240/840 - FA - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH	LUMENS [1]	CRI	CCT	TEMPERATURE	SHIELDING
GH	2 2' 4 4'	L120 12,000lm L180 18,000lm L240 24,000lm L300 30,000lm L360 36,000lm	120 12,000lm	30 3000K 35 3500K 40 4000K 50 5000K	- 40°C ambient operating temperature HA High ambient operating temperature, 55°C [3]	FA Frosted acrylic FP Frosted polycarbonate HE High efficiency, no lens included ND Narrow distribution

OPTIONS [4]

EM/10W	10-watt emergency battery [5]	VBY	(2) Y-hangers
EM/14W	14-watt emergency battery [6]	VBY-2	(2) Y-hangers with 2' chains
EM/20W	20-watt emergency battery [7]	GC2/Y18/5	(2) Cable suspension kits, 5' length (1 pair)
UP	Uplight [8]	GC2/Y18/10	(2) Cable suspension kits, 10' length (1 pair)
(L)	Additional lower lumen packages available Example: 8,000 lumens =	HUB MT	Cast iron hub and junction box for single 3/4" pendant mount [12]
	GH-4-L120/835-(L80) ^[9]	HUB/HOOK MT	Cast iron hub with mounting hook [13]
SDT	Stepdown transformer [10]	HOOK/CABLE	Hook and cable mounting kit, 10'
WG11	11-gauge wireguard, field-installed [11]	GH-SMK	Surface mount kit
WG11 F&I	11-gauge wireguard, factory installed	6CPI/L5-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 120V [14]
		6CPI/L7-15P/TWLK	6' cord and NEMA twistlock 15 AMP plug, 277V [15]
			6' cord and NEMA twistlock 20 AMP plug, 480V [16]

C.O	NT	RO	[17]

None AVI-LVFA Avi-on wireless fixture control [19] AVI-LVFA-PIR

Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount [20]

DRIVER [18]

DIM Driver with external dimming wires 120 120V Driver without external dimming 277 277V wires UNV 120-277V Driver with 12V auxiliary power, without external dimming wires [21] 347 347V [22] 480 480V [23]

NOTES

- Lumen output based on FA shielding, 80 CRI/4000K CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability. May increase fixture width. Must be suspended minimum 18" from ceiling. Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.

 See page 3 for MOUNTING DETAILS.

- See page 3 for MOUNTING BETAILS.
 Increases fixture size. See page 4 for FIXTURE DETAILS.
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 Increases fixture size. See page 4 for FIXTURE DETAILS.
 Percentage of uplight depends on fixture width. See page 2 for FIXTURE PERFORMANCE DATA.
 Specify in increments of 1000 nominal lumens. Option must be
- specified with next higher lumen package.

Fixtures greater than L480 require (2) step down transformers.

VOLTAGE

- Shipped separately.Shipped separately.
- 13 Shipped separately.
 14 DRV only.
 15 DRV only.

- 7 See page 7 for ADDITIONAL CONTROL OPTIONS. See page 6 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 5 for SENSOR PLACEMENT DETAILS.

 18 Consult factory for additional driver options.
- 19 DA Driver only.

- DA Driver only.
 DA Driver only.
 Avi-on Controls only.
 Not available with EM batteries or Avi-on Controls.
 Not available with EM batteries or Avi-on Controls.



FIXTURE PERFORMANCE DATA

	LED	STANDARD TEMPE	RATURE (40	O°C MAXIMUM AMB	IENT)	HA TEMPERATURE (55°C MAXIMUM AMBIENT)			
	PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	WIDTH	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	WIDTH
	L80	8,075	55.9	144	12"	8,075	55.9	144	12"
	L120	11,922	90.8	131	12"	12,246	79.4	154	18"
7	L180	18,009	125.9	143	18"	18,357	121.5	151	24"
~	L240	23,470	176.8	133	18"	24,001	163.9	146	24"
	L300	31,000	227.7	136	24"	_	-	_	-
	L360	35,765	272.6	131	24"	_	-	_	-
	L120	-	-	_	_	12,246	79.4	154	12"
	L180	18,009	125.9	143	12"	_	-	_	-
	L240	23,510	177.9	132	12"	_	-	_	-
	L300	-	-	_	_	31,210	215.8	145	18"
4	L400	40,295	293.2	137	18"	40,268	268.9	150	24"
7	L480	47,687	363.5	131	18"	48,002	327.9	146	24"
	L540	54,031	372.2	145	24"	_	-	_	-
	L600	61,173	429.8	142	24"	_	_	_	_
	L660	66,420	495.9	134	24"	_	-	_	-
	L720	72,181	539.7	134	24"	_	_	_	_

MULTIPLIER TABLES

MOLIN LIER MELES					
	COLOR TEMPERATURE				
	ССТ	CONVERSION FACTOR			
	3000K	0.96			
공	3500K	0.97			
8	4000K	1.00			
	5000K	1.03			
	3000K	0.79			
픙	3500K	0.80			
8	4000K	0.83			
	5000K	0.86			

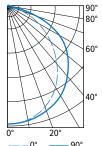
SHIELDING			
CATALOG NUMBER	CONVERSION FACTOR		
FA	1.00		
FP	0.95		
HE	1.09		
ND	1.08		

WIDTH	UPLIGHT %		
WIDIR	FA	HE ND	
12"	16	12	
18"	10	7	
24"	8	4	

- 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.
- Wattage Snlown is average to 120V tillogil 27/V illipti.
 Results based on FA shielding, 80 CRI/4000K CCT, actual lumens may vary +/-5%
 To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
 Use multiplier tables to calculate additional options.

PHOTOMETRY

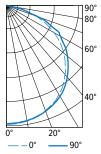
GH-2-L240/840-FA-DIM-UNV Report #: 13309242.03; 04/16/20 | Total Luminaire Output: 23470 lumens; 176.8 Watts | Efficacy: 132.7 lm/W | 80 CRI; 4000K CCT



	VERTICAL ANGLE	НО	ZONAL LUMENS		
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
8	0	7864	7864	7864	
DISTRIBUTION	5	7830	7838	7828	188
문	15	7462	7557	7617	906
등	25	6743	7012	7218	1499
<u>~</u>	35	5682	6194	6579	1882
\ <u>\s_{\s}</u>	45	4375	5143	5680	1983
Ĭ.	55	3108	4068	4699	1854
CANDLEPOWER	65	1942	2930	3361	1507
3	75	982	1717	1749	970
	85	267	619	733	421
	90	9	301	458	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
Ξ	0 - 40	9946	42
SU	0 - 60	17436	74
핕	0 - 90	22488	96
ŝ	90 - 180	981	4
	0 - 180	23470	100

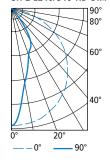
GH-2-L240/840-HE-DIM-UNV Report #: 13309242.04; 04/16/20 | Total Luminaire Output: 25500 lumens; 177.1 Watts | Efficacy: 144.0 lm/W | 80 CRI; 4000K CCT



	VERTICAL ANGLE	НО	ZONAL LUMENS		
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
DISTRIBUTION	0	8597	8597	8597	
<u>E</u>	5	8610	8577	8552	205
屋	15	8378	8349	8310	998
S	25	7828	7861	7843	1673
2	35	6995	7065	7100	2142
l ≅	45	5861	5966	6058	2311
CANDLEPOWER	55	4609	4721	4877	2204
ᅙ	65	3121	3256	3397	1798
\ <u>S</u>	75	1536	1590	1348	1011
	85	260	284	270	265
	90	9	90	65	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
Σ	0 - 40	11191	44
SU	0 - 60	20026	79
E	0 - 90	25244	99
S.	90 - 180	263	1
	0 - 180	25500	100

GH-2-L240/840-ND-DIM-UNV Report #: 13309242.01; 04/14/20 | Total Luminaire Output: 25350 lumens; 177.9 Watts | Efficacy: 142.5 lm/W | 80 CRI; 4000K CCT

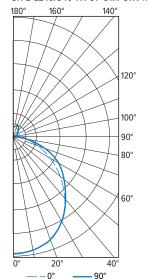


	VERTICAL ANGLE	НО	ZONAL LUMENS		
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
CANDLEPOWER DISTRIBUTION	0	23290	23290	23290	
5	5	23160	21230	19520	533
불	15	22430	14040	11900	1960
등	25	20750	9761	8524	2581
╦	35	18260	7524	4111	2763
l ≅	45	15060	3348	621	2013
Ĭ.	55	11550	525	406	1400
ᅙ	65	7463	313	271	828
\ <u>S</u>	75	3238	178	70	369
	85	288	68	20	92
	90	5	37	12	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
Σ	0 - 40	16787	66
S	0 - 60	23010	91
필	0 - 90	25091	99
⋛	90 - 180	264	1
	0 - 180	25350	100



GH-2-L240/840-FA-UP-DIM-UNV Report #: 13309242.02; 04/10/20 | Total Luminaire Output: 22670 lumens; 176.8 Watts | Efficacy: 128.2 lm/W | 80 CRI; 4000K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENC
CANDLEPOWER DISTRIBUTION		0°	45°	90°	ZONAL LUMENS
	0	7970	7970	7970	
	5	7940	7936	7913	190
	15	7590	7599	7597	913
	25	6878	6949	6901	1493
	35	5790	5890	5830	1807
	45	4460	4628	4710	1819
	55	3172	3478	3752	1631
	65	1988	2405	2594	1279
	75	1011	1339	1161	779
	85	279	357	356	281
	90	11	103	123	113
	95	53	149	177	63
	105	153	225	258	104
	115	254	252	292	130
	125	350	349	314	154
	135	435	502	423	180
	145	499	640	590	190
	155	557	688	721	166
	165	589	667	718	110
	175	609	632	638	45
	180	628	628	628	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
Σ	0 - 40	9732	43
S	0 - 60	16403	72
핇	0 - 90	20408	90
흨	90 - 180	2259	10
	0 - 180	22670	100

MOUNTING DETAILS

GC2/Y18/_ **HUB MT** **HUB/HOOK MT**

4' fixture requires two hubs for mounting

HOOK/CABLE

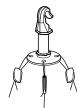






Mounting hook with safety screw allows easy replacement of existing HID fixtures. Hook attaches to the fixture with 3/4" cast iron hub and junction box.

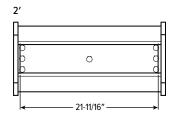
A 10' long aircraft cable and Y style hanger with toggle clips are factory furnished for leveling fixture from single support.

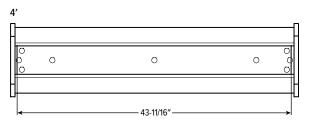


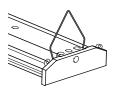
Hook and 10' cable mounting kit. Mounting hook is secured to the structure by eye bolt or loop (furnished by others).

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

VBY | VBY-2

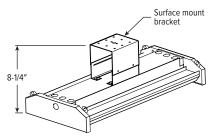


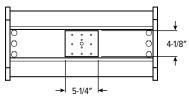


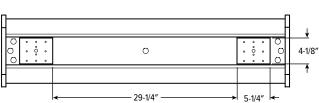


GH-SMK

4' fixture requires two brackets for mounting

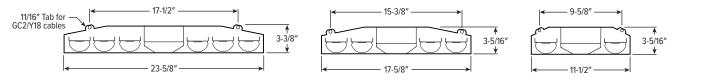






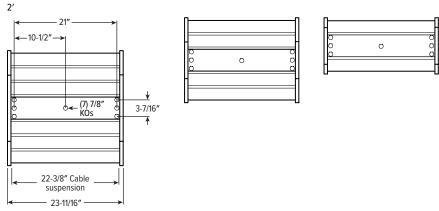


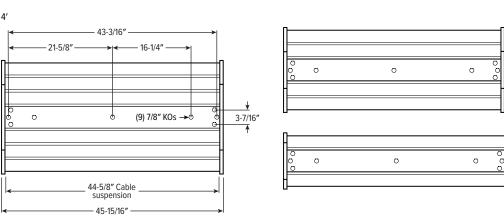
CROSS SECTIONS



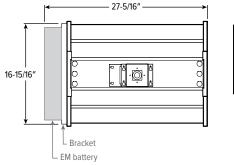
FIXTURE DETAILS

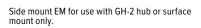
BACKVIEW

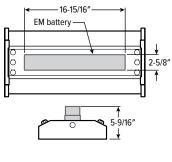


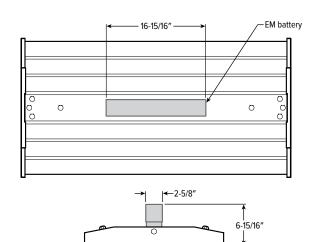


EM BATTERY



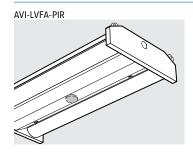


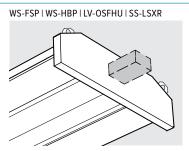






SENSOR PLACEMENT DETAILS





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

- 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 Mobile Apps **Wall Stations** Remote Management & Monitoring

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Ceiling Sensors

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

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

NETWORK

AVI-RAB-LTE Remote access bridge – LTE connection AVI-2001RAB-01-C Remote access bridge - Wifi connection AVI-KIT-NTM Network time manager with battery backup

CEILING MOUNT SENSORS

Remote Access Bridge

AVI-KIT-SEN-DUCM PIR motion and ultrasonic sensor kit PIR motion and photocell sensor kit AVI-KIT-SEN-ICM

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

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-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)

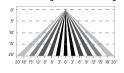
SENSOR COVERAGE PATTERNS

L2 8' height: ø48' coverage





L3 20' height: ø40' coverage

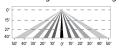




SENSOR DETAIL



L7 40' height: ø100' coverage





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

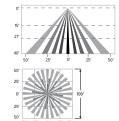
MOUNTING HEIGHT 15' - 40' **DETECTION ANGLE** 360° TEMPERATURE RANGE 0° to 70°C

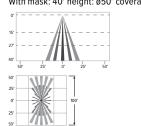
RELATIVE HUMIDITY 5 to 95%, non-condensing

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









SENSOR DETAIL

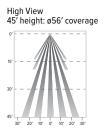




OCCSS LSXR-6-120-277 Sensor Switch PIR motion sensor, 120-277V OCCSS LSXR-6-347/480 Sensor Switch PIR motion sensor, 347/480V

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 Low View 15' height: ø40' coverage



SENSOR DETAIL

