





### FEATURES

- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Companion round and square lensed fixtures preserve continuity, see hew.com/75
- Row applications produce continuous light with minimal interruption between fixtures
- Variety of mounting accessories for surface and suspended applications
- Special reflectors are available to provide precise light distribution
- HE option delivers superior efficacies up to 19<sup>'</sup>2 lm/W
- Optional wireguard provides added protection
- Six standard finish options and a wide selection of custom colors complement the architectural elements of any space
- 2', 3', 4', and 8' lengths available
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

### SPECIFICATIONS

- HOUSING 22-gauge die-formed C.R.S.
- 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-guality mid-power LED board. L70 > 72,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 25°C maximum ambient operating temperature. 40°C maximum ambient operating temperature with HA Option, lumen restrictions apply, see fixture performance data. 50/60 Hz constant current driver.
- MOUNTING Surface (ceiling or wall) or suspended (hanging hardware required).
- LISTINGS
  - cETLus conforms to UL STD 1598. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations
  - UL 924 available, see Options.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY 5-year limited warranty, see hew.com/warranty



CATALOG #: \_

TYPE

PROJECT: \_



### ORDERING EXAMPLE: 75 - 4 - L85/835 - OPTIONS - CONTROL/DIM - UNV

RIES	LENGTH	LUMENS <sup>[1]</sup>				CRI	ССТ	
	<b>2</b> 22-1/2"	2′	3′	4'	8′	<b>8</b> 80	<b>27</b> 2700K	
	<b>3</b> 33-9/16"	L15 1,500lm	L40 4,000lm	L30 3,000lm	L60 6,000lm	<b>9</b> 90	<b>30</b> 3000K	
	<b>4</b> 44-5/8"	L25 2,500lm	L64 6,400lm	L50 5,000lm	L100 10,000lm		<b>35</b> 3500K	
	<b>8</b> 89-1/4"	L32 3,200lm		L65 6,500lm	L130 13,000lm		<b>40</b> 4000K	
		L42 4,200lm		L85 8,500lm	<b>L170</b> 17,000lm		<b>50</b> 5000K	
		L60 6,000lm		<b>L100</b> 10,000lm	L20020,000lm			
				L120 12,000lm	L240 24,000lm			

OPTIONS <sup>[2]</sup>	
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SER

75

### See page 4 for FINISH OPTIONS. See page 4 for SPECIAL REFLECTOR OPTIONS.

EM/10WLP	Low-profile 10-watt emergency battery <sup>[3]</sup>
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
HE	High efficacy lumen package <sup>[4]</sup>
HA	High ambient operating temperature, 40°C <sup>[5]</sup>
WG-75	11-gauge white powder coat wireguard <sup>[6]</sup>
315	1-1/2" ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2' chains
RA-75	Row aligner [7]
45AMB	(2) 45° adjustable mounting brackets <sup>[8]</sup>

- (L\_\_) Additional lower lumen packages available <sup>[9]</sup> Example: 7,000 nominal lumens = 75-4-L85/835-(L70) QC\_\_ Quick-connect wiring harness <sup>[10]</sup>
- Approved for UL 924 emergency generator circuit through-feed wiring <sup>[11]</sup> GEN
- SP1
- 10kV surge protection, 120 or 277V SP2 10kV surge protection, 208 or 240V
- 10kV surge protection, 347V SP3

DRIVER

DΔ

### AIRCRAFT CABLES (EXAMPLE: ACF/D48) [12]

Prefix	Туре	Length	
ACF/ Feeder ACJ/ Joiner	<ul><li>D 1" grid &amp; hardpan</li><li>N 9/16" grid</li><li>S Slot grid</li></ul>	<ul><li>24 24"</li><li>48 48"</li><li>96 96"</li></ul>	

See page 8 for ADDITIONAL DRIVER OPTIONS.

DIM Driver with external 0-10V dimming wires

dimming wires

DRV Driver without external

Driver with 12V auxiliary power, without external dimming wires <sup>[19]</sup>

DSR Sensor-ready driver without external dimming wires (D4i DALI-2) <sup>[20]</sup>

CONTROL <sup>[13]</sup>	
See page 6 for ADD	ITIONAL CONTROL OPTIONS.
-	None
AVI-LVFA	Avi-on wireless fixture control <sup>[14]</sup>
AVI-LVFA-PIR	Avi-on wireless fixture control with high bay PIR motion and daylight sensor, bottom mount <sup>[15]</sup>
AVI-LVFA-CS2-PIR	Avi-on wireless fixture control with PIR motion and daylight sensor, bottom mount <sup>[16]</sup>
AWNR	Lutron Athena wireless node integral fixture control, RF only $^{\left[ 17\right] }$
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>[18]</sup>

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### NOTES

- 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. Remote EM batteries: max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for REMOTE MOUNT BATTERY DETAILS.
- Not available with 2' fixtures, 4' L120 or 8'
- L240 lumen packages. Not available with 90 CRI, 3' Length, 2' L15, 4' L30, or 8' L60 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.
- Not available with 2' L60, 4' L120 and 8' L240 lumen packages. Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.
- Ships separately, field-installed. Not
- available with special reflectors. Required when row mounting with aircraft cables.
- Cord recommended, ships separately. See page 3 for MOUNTING ACCESSORY DETAILS. Field-adjustable up and down in 7-1/2° increments
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. See page 4 for QUICK-CONNECT
- OPTIONS.
- 11 Maximum mounting height is 15.4' (4.7 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.

12 Units specified with aircraft cable require cord and RA-75 row aligner. See page 3 for MOUNTING ACCESSORY

VOLTAGE

120 120V

208 208V

240 240V

277 277V

UNV 120-277V

347 347V<sup>[21]</sup>

- DETAILS. See page 4 for SENSOR & NODE PLACEMENT DETAILS. See page 5 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- <sup>14</sup> DA Driver only.
   <sup>15</sup> DA Driver only. 14
- 16
- <sup>16</sup> DA driver only.
  <sup>17</sup> DA and DSR Drivers only.
- <sup>18</sup> DA and DSR Drivers only.
- <sup>19</sup> Avi-on, Lutron Athena, and LV-ZLS05
- Controls only. <sup>20</sup> Lutron Vive and Athena Controls only.
- 21 Not available with EM batteries, DA, or DSR drivers.



### FIXTURE PERFORMANCE DATA

		STANDARD		Н	E OPTION <sup>[1]</sup>	AMBIENT TEM	IPERATURE <sup>[2]</sup>	
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)	WATTAGE	EFFICACY (Im/W)	EM	NO EM
	L15	1592	10.8	147	-	-	40	40
	L25	2602	18.2	143	14.8	176	40	40
2'	L32	3092	21.3	145	17.2	179	40	40
	L42	4344	31.4	138	23.0	189	35	40
	L60	6052	43.6	139	34.5	176	_	_
3'	L40	4092	28.2	145	-	-	35	40
3	L64	6593	48.2	137	-	-	30	35
	L30	3071	19.7	156	-	-	40	40
4'	L50	5126	33.0	155	26.7	192	40	40
	L65	6313	42.3	149	35.8	176	40	40
4	L85	8530	56.2	152	47.6	179	35	40
	L100	10154	68.3	149	56.9	178	30	30
	L120	12105	85.9	141	68.2	177	_	_
	L60	5814	35.3	165	-	-	40	40
	L100	10078	65.9	153	54.1	186	35	35
8'	L130	13011	87.9	148	70.8	184	35	35
8	L170	17060	112.4	152	94.8	180	35	35
	L200	20309	136.5	149	113.9	178	30	30
	L240	24208	171.7	141	136.4	177	_	—

### MULTIPLIER TABLE

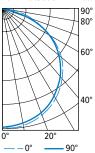
	COLO	COLOR TEMPERATURE					
	ССТ	CONVERSION FACTOR					
	2700K	0.97					
~	3000K	0.99					
80 CRI	3500K	1.00					
8	4000K	1.03					
	5000K	1.06					
	2700K	0.80					
_	3000K	0.82					
90 CRI	3500K	0.83					
	4000K	0.86					
	5000K	0.89					

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. •

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### PHOTOMETRY

75-4-L85/835-DIM Total Luminaire Output: 8530 lumens; 56.2 Watts | Efficacy: 152 lm/W | 80 CRI; 3500K CCT



	VERTICAL ANGLE	HO	RIZONTAL ANG	GLE	ZONAL LUMENS
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
NO	0	2896	2896	2896	
5	5	2917	2887	2876	275
DISTRIBUTION	15	2837	2799	2791	792
1 SI	25	2663	2624	2610	1213
	35	2415	2366	2338	1484
18	45	2066	2006	1990	1552
CANDLEPOWER	55	1634	1580	1560	1415
Ē	65	1124	1069	1048	1070
R	75	581	543	531	582
	85	104	116	101	144
	90	9	14	9	

1

2

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
ΜW	0 - 30	2279	27
SU	0 - 40	3763	44
EN	0 - 60	6730	79
S	0 - 90	8527	100
	0 - 180	8530	100

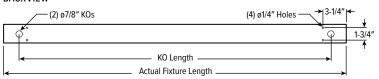
Not available with 90 CRI. Maximum ambient operating temperature (°C) when specified with HA option.

### SEE NEXT PAGE FOR FIXTURE DETAILS.



### **FIXTURE DETAILS**

### BACKVIEW



	7/8″ KOs	ACTUAL FIXTURE LENGTH
2′	18-3/8″	22-1/2″
3′	29-1/2"	33-9/16″
4'	40-1/2"	44-5/8″
8′	85-1/8″	89-1/4″

**VBY HANGER** 

D

22-1/2"

33-9/16"

44-5/8"

89-1/4"

С

19″

30-1/16

41-1/4"

85″

# OF COND. [1] WIRE SIZE

8D 18ga

Units specified with aircraft cable require cord. Please specify

cord type using ordering information below. Long fixture rows

may require multiple feed points based on 18ga conductor size. EXAMPLE: S2438D/W

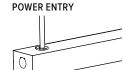
3

4

5

6

Includes (2) 22ga purple & pink dimming conductors



315 SPACER

F

22-1/2"

33-9/16"

44-5/8"

89-1/4"

Ε

10″

21'

32″

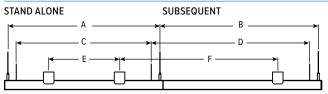
77″

COLOR

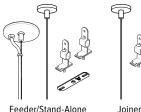
/W White

/B Black

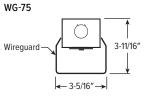
### MOUNTING ACCESSORY DETAILS

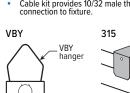


### STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



Feeder/Stand-Alone



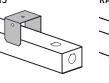


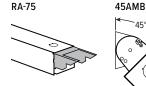
Notes: Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.

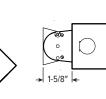
Electrical supply is brought into the feeder fixture, either as part of a row or as a standalone unit. Joiner fixtures complete the row.

The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.

Cable kit provides 10/32 male thread for connection to fixture.







### REMOTE MOUNT BATTERY DETAILS

### EM/10WRM/RTS



Regressed test switch ø1-3/4"



EM/10WRM

Standard test switch 2-3/4" x 4-1/2"

Max remote distance is 50' including suspension length, connection by others.

MOUNTING LENGTH

Α

21-1/2"

32-1/2'

43-5/8"

88-3/16"

CORD TYPE

S

2′

3′

4′

8′

AIRCRAFT CABLE

В

22-1/2"

33-9/16"

44-5/8"

89-1/4"

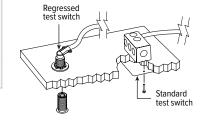
CORD FOR SUSPENDED PRODUCT

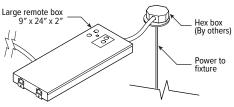
LENGTH

24 24"

48 48"

**96** 96'







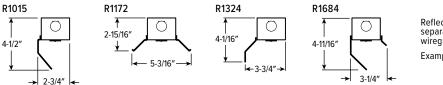


### QUICK-CONNECT OPTIONS

Note: Quick-connect wiring required for row mounting. All QC harnesses contain (5) 16ga conductors plus ground.

DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)
QCBRW	3	Black, Red, White	On/off switching (DRV) or line voltage dimming when equipped with EM battery packs
QCBW/PK	4	Black, White, Purple, Pink	Single circuit with 0-10V low voltage dimming (DIM)
QCRW/PK	4	Red, White, Purple, Pink	Alternating circuits on/off switching with 0-10V low voltage dimming (DIM)
QCBRW/PK	5	Black, Red, White, Purple, Pink	On/off switching when equipped with EM battery packs and 0-10V dimming (DIM)
QCBW/RPK	5	Black, White, Red, Purple, Pink	On/off switching with 0-10v dimming and 0-10v tunable using shared common
QCUU	N/A	N/A	QC harness passes through fixture, but is not connected to it

### SPECIAL REFLECTOR OPTIONS

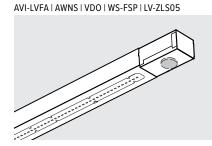


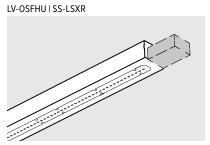
Reflectors ordered and shipped separately. Cannot be used with wireguard accessories. Example: **R1172**-4-75LED REFL

### **FINISH OPTIONS**



### **SENSOR & NODE PLACEMENT DETAILS**





SEE NEXT PAGE FOR CONTROL DETAILS.



### AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS



### Simple

- Gateway-free distributed control
- 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.





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### ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK			
AVI-RAB-LTE AVI-NTM	Remote access bridge Network time manager with battery backup		
CEILING MOUNT SENSORS			
	DUCMPIR motion and ultrasonic sensor kitCMPIR 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	
ТҮРЕ	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

Bluet

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SENSOR COVERAGE PATTERNS



### SENSOR DETAIL



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





AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

### SPECIFICATIONS

SFECIFICATIONS	
ТҮРЕ	PIR Motion + Daylight
MOUNTING HEIGHT	8' - 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On
	Bluetooth <sup>*</sup> Lighting Controls

# SENSOR COVERAGE PATTERNS Side View 8' height: ø24' coverage of the second secon



### SENSOR DETAIL



Dimensions: 13/16" x 2-1/4"

### ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS		SENSOR COVERAGE PATTERNS		SENSOR DETAIL
ТҮРЕ	Radio Frequency	9' height: ø12' coverage	Motion Sensor Coverage	
MOUNTING HEIGHT	8' – 12'	0'	CEILING COVERAGE HEIGHT AREA (SQ FT)	
DETECTION ANGLE	360°		8′ 114	$\left( \bigcirc \right)$
TEMPERATURE RANGE	0° to 55°C	9' 13' 9' 6' 3' 0' 3' 6' 9' 13'	9' 144 10' 178	
RELATIVE HUMIDITY	0 to 90%, non-condensing		12' 256	LUTRON
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)			
MANUFACTURER	Lutron			Dimensions: ø1-1/8"
	<b>SLUTRON</b>			

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.

VDO Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

Motion + Daylight 12'	9' height: ø12' coverage	Motion Senso		
12'			r Coverage	
12	0'	CEILING HEIGHT	COVERAGE AREA (SQ FT)	
0		8'	114	
⊙ 55°C	9' 6' 3' 0' 3' 6'	9' 10'	144 178	
90%, non-condensing		12′	256	
(iOS or Android)				
on				Dimensions: 2-11/16" x 1"
`	,	,	,	'

### VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF/DBI	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
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver



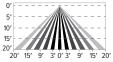
# 75 LED Narrow Strip

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-211-L\_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed. FSIR-100 Remote controller for 211 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	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

### SENSOR COVERAGE PATTERNS

### L3 20' height: ø40' coverage



L7 40' height: ø100' coverage

30' 50



### SENSOR DETAIL



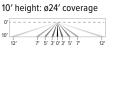
Dimensions L2/L3: ø2-3/8" | L7: ø3-1/4"

LV-ZLS05-ILW Leviton PIR motion and daylight sensor. DA Driver only. Adjustable via remote. Optional ZLSOR-RA1 remote controller available. ZLSOR-RA1 Remote controller for ZLSO5 sensor. Please specify quantity required per project. Ordered and shipped separately.

0' - -15' - -27' - -40'

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' - 10'
DETECTION ANGLE	120°
TEMPERATURE RANGE	-20° to 70°C
COMMISSIONING	DIP switches or optional remote: ZLSOR-RA1

### SENSOR COVERAGE PATTERNS



## SENSOR DETAIL



Dimensions: ø1-5/16"

### SENSOR DETAIL



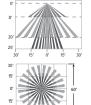
### OCCLV-OSFHU-ITW-120-347 Leviton PIR motion sensor, 120-347V.

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





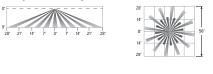
### OCCSS LSXR-10-120-277 Sensor Switch PIR motion sensor, 120-277V OCCSS LSXR-10-347/480 Sensor Switch PIR motion sensor, 347/480V

### 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



### ADDITIONAL DRIVER OPTIONS

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

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