

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- Flat and proud lenses give designers a variety of looks
- Fixture attaches to wall bracket for simple installation
- High-performance up to 117 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Versatile MX4 system includes recessed, surface, suspended and in-wall mounting, see [hew.com/mx4](http://hew.com/mx4)
- Diffuse acrylic lens provides uniform illumination for visual comfort
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING – Extruded aluminum with die-cast end plates.
- SHIELDING – Extruded, flat, diffuse acrylic lens.
- FINISH – Textured matte white polyester TGIC 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 >60,000 hours per IES TM-21. 25°C maximum ambient operating temperature. 50/60 Hz constant current driver.
- MOUNTING – Wall mount. Powder coated, die-formed C.R.S. receiving bracket mounted to fixture which attaches to galvanized, wall mounted bracket.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or 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](http://hew.com/buy-american)
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: MX4W - 12'00 - L8/835 - F - OPTIONS - CONTROL/DIM - UNV

| SERIES   | ILLUMINATED LENGTH <sup>[1]</sup>  | LUMENS <sup>[2]</sup> | CRI         | CCT   | SHIELDING  |
|--|--|-----------------------|-------------|---|--|
| <b>MX4W</b> <sup>[3]</sup>   | Lengths specified in feet and inches using 4" increments, 2' minimum.<br>Example: 12'00 = 12'-0" | <b>L8</b> 800lm       | <b>8</b> 80 | <b>27</b> 2700K                                       | <b>F</b> Flat, diffuse acrylic                                 |
|  |  | <b>L12</b> 1200lm     | <b>9</b> 90 | <b>30</b> 3000K                                       | <b>P</b> Proud, diffuse acrylic with 5/16" drop <sup>[4]</sup> |
|  |  | <b>L15</b> 1500lm     |             | <b>35</b> 3500K<br><b>40</b> 4000K<br><b>50</b> 5000K |  |
| <b>PRODUCT BUILDER</b><br>Simplify ordering & layout design with the Williams Linear Product Builder at <a href="http://hew.com/product-builder">hew.com/product-builder</a> |  |                       |             |   |  |

### OPTIONS <sup>[5]</sup>

See page 3 for FINISH OPTIONS.

|                     |   |
|---------------------|---|
| <b>EM/10W</b>       | 10-watt emergency battery <sup>[7]</sup>  |
| <b>EM/10WRM</b>     | Remote mount 10-watt emergency battery  |
| <b>EM/10WRM/RTS</b> | Remote mount 10-watt emergency battery with regressed test switch   |
| <b>ASY (L__)</b>    | Asymmetric distribution <sup>[8]</sup><br>Additional lower lumen packages available <sup>[9]</sup> Example: 600 lumens = MX4W-12'00-L8/835-(L6) |
| <b>GEN</b>          | Approved for UL 924 emergency generator circuit through-feed wiring <sup>[10]</sup>   |

### CONTROL <sup>[6]</sup>

See page 5 for ADDITIONAL CONTROL OPTIONS.

|                         |  |
|-------------------------|--|
| –                       | None   |
| <b>AVI-LVFA</b>         | Avi-on wireless fixture control <sup>[11]</sup>  |
| <b>AVI-LVFA-CS2-PIR</b> | Avi-on wireless fixture control with PIR motion and daylight sensor <sup>[12]</sup>                          |
| <b>AWNRR</b>            | Lutron Athena wireless node integral fixture control, RF only <sup>[13]</sup>                                |
| <b>AWNS</b>             | Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing <sup>[14]</sup> |

### DRIVER

See page 6 for ADDITIONAL DRIVER OPTIONS.

|            |   |                                 |
|------------|---|---------------------------------|
| <b>DIM</b> | Driver with external 0-10V dimming wires  | <b>120</b> 120V                 |
| <b>DRV</b> | Driver without external dimming wires   | <b>277</b> 277V                 |
| <b>DA</b>  | Driver with 12V auxiliary power, without external dimming wires <sup>[15]</sup> | <b>UNV</b> 120-277V             |
| <b>DSR</b> | Sensor-ready driver without external dimming wires (D4i DALI-2) <sup>[16]</sup> | <b>347</b> 347V <sup>[17]</sup> |

## NOTES

- Endcaps add 7/8" to overall specified length.
- Lumens per foot output based on F Shielding, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- Up or down orientation is determined during installation.
- See page 3 for CROSS SECTIONS.
- Remote EM batteries: max remote distance 50'. 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.
- Sensor recommended for use in downlight orientation only. Reduces portion of lit fixture, consult factory. See page 3 for SENSOR & NODE PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- Not available with fixtures less than 4'.
- Available with F shielding only. Creates uneven lens illumination. See page 3 for CROSS SECTIONS.
- (L4) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- MX4WD only. Maximum mounting height is 29.4' (9.0 m). Minimum lumen output is 400 lm/ft. See [hew.com/UL924](http://hew.com/UL924) for details.
- DA driver only.
- DA driver only.
- DA and DSR Drivers only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Vive and Athena Controls only.
- Not available with EM batteries, control sensors, DA, or DSR Drivers.



# MX4W LED 4" Continuous – Wall

## FIXTURE PERFORMANCE DATA

|     | DOWN (PER FOOT)  |         |                 | UP (PER FOOT)    |         |                 |
|-----|------------------|---------|-----------------|------------------|---------|-----------------|
|     | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) |
| L8  | 824              | 7.3     | 113             | 851              | 7.3     | 117             |
| L12 | 1175             | 10.8    | 109             | 1187             | 10.8    | 110             |
| L15 | 1440             | 13.5    | 107             | 1440             | 13.5    | 107             |

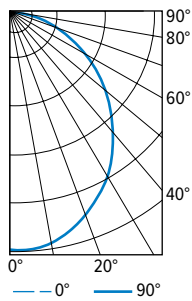
- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.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

## MULTIPLIER TABLES

|        | COLOR TEMPERATURE |                   | ASY OPTION |                 |
|--------|-------------------|-------------------|------------|-----------------|
|        | CCT               | CONVERSION FACTOR | WATTAGE    | EFFICACY (lm/W) |
| 80 CRI | 2700K             | 0.97              | 1.03       | 0.97            |
|        | 3000K             | 0.99              |            |                 |
|        | 3500K             | 1.00              |            |                 |
|        | 4000K             | 1.03              |            |                 |
|        | 5000K             | 1.06              |            |                 |
| 90 CRI | 2700K             | 0.82              |            |                 |
|        | 3000K             | 0.83              |            |                 |
|        | 3500K             | 0.84              |            |                 |
|        | 4000K             | 0.86              |            |                 |
|        | 5000K             | 0.90              |            |                 |

## PHOTOMETRY

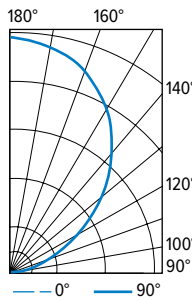
**MX4WD-4'00-L8/835-F-DIM** Total Luminaire Output: 3296 lumens; 29.2 Watts | Efficacy: 113 lm/W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 0              | 1302             | 1302 | 1302 |              |
| 5              | 1329             | 1292 | 1278 | 123          |
| 15             | 1284             | 1232 | 1211 | 348          |
| 25             | 1149             | 1113 | 1087 | 512          |
| 35             | 996              | 948  | 931  | 597          |
| 45             | 808              | 771  | 742  | 597          |
| 55             | 604              | 576  | 540  | 513          |
| 65             | 394              | 370  | 354  | 368          |
| 75             | 185              | 178  | 177  | 192          |
| 85             | 29               | 36   | 33   | 45           |
| 90             | 0                | 0    | 0    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 983    | 30        |
|               | 0 - 40  | 1580   | 48        |
|               | 0 - 60  | 2690   | 82        |
|               | 0 - 90  | 3296   | 100       |
|               | 0 - 180 | 3296   | 100       |

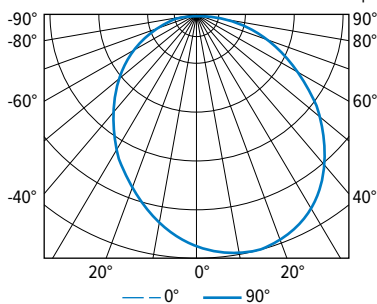
**MX4WU-4'00-L8/835-F-DIM** Total Luminaire Output: 3404 lumens; 29.2 Watts | Efficacy: 117 lm/W | 80 CRI; 3500K CCT



| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|--------------|
|                | 0°               | 45°  | 90°  |              |
| 90             | 0                | 0    | 0    |              |
| 95             | 20               | 19   | 17   | 29           |
| 105            | 161              | 123  | 103  | 138          |
| 115            | 382              | 285  | 242  | 298          |
| 125            | 643              | 516  | 431  | 477          |
| 135            | 933              | 818  | 688  | 624          |
| 145            | 1189             | 1112 | 1006 | 681          |
| 155            | 1389             | 1315 | 1261 | 603          |
| 165            | 1498             | 1456 | 1419 | 410          |
| 175            | 1557             | 1519 | 1501 | 144          |
| 180            | 1540             | 1540 | 1540 |              |

| LUMEN SUMMARY | ZONE     | LUMENS | % FIXTURE |
|---------------|----------|--------|-----------|
|               | 90 - 120 | 465    | 14        |
|               | 90 - 130 | 941    | 28        |
|               | 90 - 150 | 2247   | 66        |
|               | 90 - 180 | 3404   | 100       |
|               | 0 - 180  | 3404   | 100       |

**MX4WD-4'00-L8/835-F-ASY** Total Luminaire Output: 3197 lumens; 29.2 Watts | Efficacy: 109 lm/W | 80 CRI; 3500K CCT



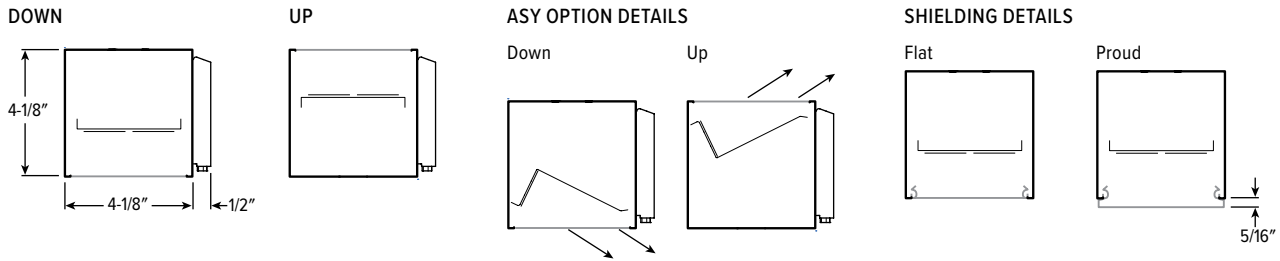
| VERTICAL ANGLE | HORIZONTAL ANGLE |      |      |      |      | ZONAL LUMENS |
|----------------|------------------|------|------|------|------|--------------|
|                | 0°               | 45°  | 90°  | 135° | 180° |              |
| 0              | 1153             | 1153 | 1153 | 1153 | 1153 |              |
| 5              | 1149             | 1175 | 1188 | 1175 | 1149 | 109          |
| 15             | 1101             | 1185 | 1221 | 1185 | 1101 | 311          |
| 25             | 1011             | 1135 | 1187 | 1135 | 1011 | 468          |
| 35             | 881              | 1024 | 1083 | 1024 | 881  | 556          |
| 45             | 726              | 868  | 922  | 868  | 726  | 566          |
| 55             | 560              | 684  | 730  | 684  | 560  | 507          |
| 65             | 384              | 481  | 516  | 481  | 384  | 387          |
| 75             | 203              | 275  | 300  | 275  | 203  | 227          |
| 85             | 50               | 86   | 100  | 86   | 50   | 67           |
| 90             | 2                | 13   | 19   | 13   | 2    |              |

| LUMEN SUMMARY | ZONE    | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
|               | 0 - 30  | 887    | 28        |
|               | 0 - 40  | 1443   | 45        |
|               | 0 - 60  | 2516   | 79        |
|               | 0 - 90  | 3197   | 100       |
|               | 0 - 180 | 3197   | 100       |



# MX4W LED 4" Continuous – Wall

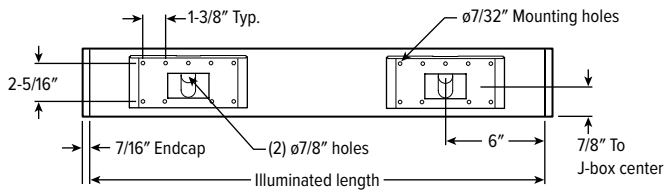
## CROSS SECTIONS



## FIXTURE DETAILS

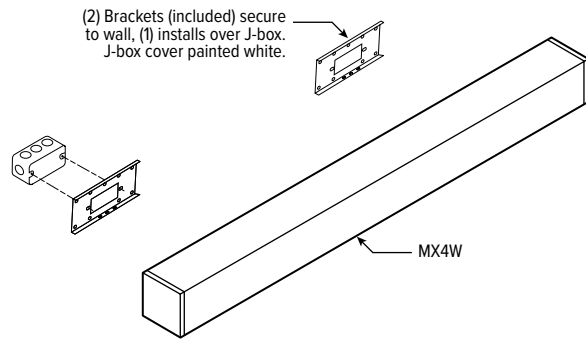
See [hew.com/power-entry](http://hew.com/power-entry) for power entry details.

### BACK VIEW



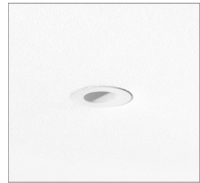
Standalone and feeder fixtures receive two mounting brackets. Joiner fixtures connect to feeder fixtures and receive one mounting bracket.

### MOUNTING



## REMOTE MOUNT BATTERY DETAILS

### EM/10WRM/RTS



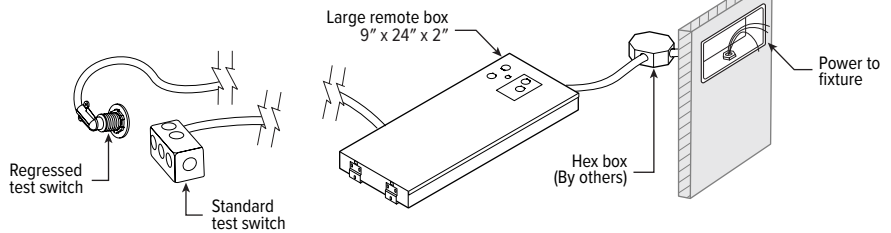
Regressed test switch  
ø1-3/4"

### EM/10WRM

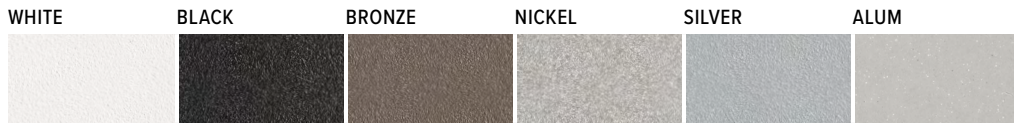


Standard test switch  
2-3/4" x 4-1/2"

Max remote distance is 50', connection by others.

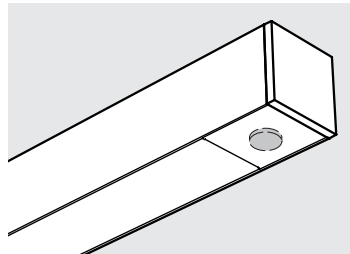


## FINISH OPTIONS



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 & NODE PLACEMENT DETAILS



# MX4W<sup>LED</sup> 4" Continuous – Wall

## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### FEATURES

#### Simple

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

#### Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- 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

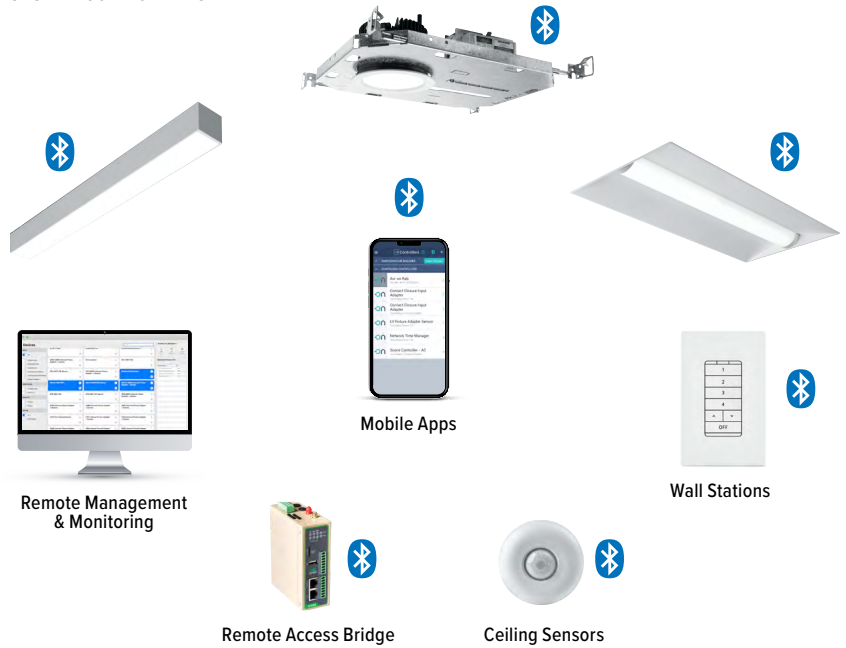


Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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### ACCESSORIES

| WALL STATIONS   |   |
|-----------------|---|
| AVI-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           | Remote access bridge                     |
| AVI-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      |

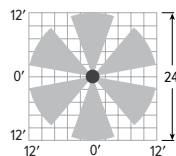
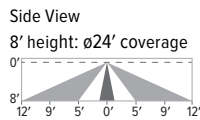
For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)

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

| SPECIFICATIONS    |                          |
|-------------------|--------------------------|
| TYPE              | 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                   |



### SENSOR COVERAGE PATTERNS



### SENSOR DETAIL



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



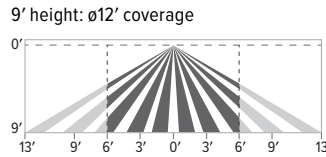
# MX4W LED 4" Continuous – Wall

## ADDITIONAL CONTROL OPTIONS

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

| SPECIFICATIONS    |  |
|-------------------|--|
| TYPE              | Radio Frequency  |
| MOUNTING HEIGHT   | 8' – 12'   |
| DETECTION ANGLE   | 360°   |
| TEMPERATURE RANGE | 0° to 55°C   |
| RELATIVE HUMIDITY | 0 to 90%, non-condensing                                 |
| COMMISSIONING     | Clear Connect gateway – Type X with app (iOS or Android) |
| MANUFACTURER      | Lutron   |

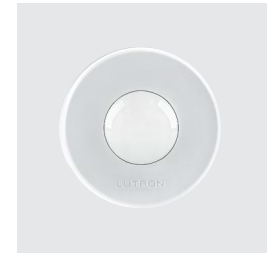
### SENSOR COVERAGE PATTERNS



### Motion Sensor Coverage

| CEILING HEIGHT | COVERAGE AREA (SQ FT) |
|----------------|-----------------------|
| 8'             | 114                   |
| 9'             | 144                   |
| 10'            | 178                   |
| 12'            | 256                   |

### SENSOR DETAIL



Dimensions: ø1-1/8"

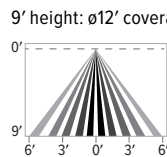
### ATHENA CONTROL OPTIONS

| CATALOG NUMBER | DESCRIPTION   |
|----------------|---|
| AWNDR          | 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.               |
| AWNDR-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

| SPECIFICATIONS    |                          |
|-------------------|--------------------------|
| TYPE              | PIR Motion + Daylight    |
| MOUNTING HEIGHT   | 8' – 12'                 |
| DETECTION ANGLE   | 360°                     |
| TEMPERATURE RANGE | 0° to 55°C               |
| RELATIVE HUMIDITY | 0 to 90%, non-condensing |
| COMMISSIONING     | App (iOS or Android)     |
| MANUFACTURER      | Lutron                   |

### SENSOR COVERAGE PATTERNS



### Motion Sensor Coverage

| CEILING HEIGHT | COVERAGE AREA (SQ FT) |
|----------------|-----------------------|
| 8'             | 114                   |
| 9'             | 144                   |
| 10'            | 178                   |
| 12'            | 256                   |

### SENSOR DETAIL



Dimensions: 2-11/16" x 1"

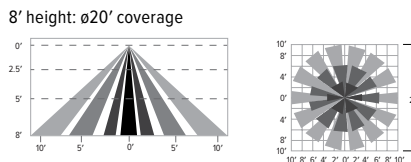
### VIVE CONTROL OPTIONS

| 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 |

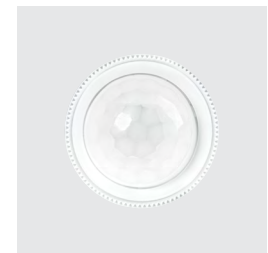
**OCCWS-FS-305-L6-PP-120/277** Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

| SPECIFICATIONS    |                                |
|-------------------|--------------------------------|
| TYPE              | PIR Motion + Daylight Hold Off |
| MOUNTING HEIGHT   | 8'                             |
| LENS              | Indoor, non-wet location use   |
| DETECTION ANGLE   | 360°                           |
| TEMPERATURE RANGE | -40° to 55°C                   |
| RELATIVE HUMIDITY | 5% to 95%, non-condensing      |
| COMMISSIONING     | Dials under lens               |

### SENSOR COVERAGE PATTERNS



### SENSOR DETAIL



Dimensions: ø1-5/16"



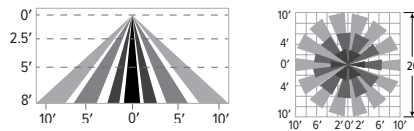
# MX4W<sup>LED</sup> 4" Continuous – Wall

OCCWS-LMFS-601-PP-120/277 Wattstopper PIR motion and daylight sensor with power pack, 120/277V

| SPECIFICATIONS    |                          |
|-------------------|--------------------------|
| TYPE              | PIR Motion + Daylight    |
| MOUNTING HEIGHT   | 8' – 12'                 |
| LENS              | Up to 300 sq/ft coverage |
| DETECTION ANGLE   | 360°                     |
| TEMPERATURE RANGE | 0° to 50°C               |
| RELATIVE HUMIDITY | 0 to 90%, non-condensing |
| COMMISSIONING     | App (iOS or Android)     |

## SENSOR COVERAGE PATTERNS

8' height: ø20' coverage



## SENSOR DETAIL



Dimensions: ø1-5/16"

## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder)

| CATALOG NUMBER | DESCRIPTION   |
|----------------|---|
| DRV            | Driver without external dimming wires prewired for non-dimming applications       |
| DIM            | Driver with external dimming wires prewired for 0-10V low voltage applications    |
| DIM1           | 1% driver with external dimming wires 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, without external dimming wires                   |
| DSR            | Sensor-ready driver without external dimming wires (D4i DALI-2)                   |
| SD40           | 40% step-dimming driver   |
| SD50           | 50% step-dimming driver   |
| DALI           | DALI dimming driver   |
| LDE1           | Lutron Hi-lume 1% EcoSystem dimming driver  |

