

## VTA SERIES VAPOR TIGHT LINEAR

Client:  
 Project:  
 Type:  
 Quantity:

### CONSTRUCTION

ABS material housing, compact design with semi-gloss White finish. 3/4" knockout back and end of housing for end mount sensor, through wiring or surface conduit mount.

### OPTICS

End-to-end diffused polycarbonate (PC) lens.

### ELECTRICAL

Delivered average 135lm/W efficacy LEDs offer 80+ color rendering index (CRI).  
 Field Selectable Output and CCT (see ordering information for detail).  
 L70 >100,000 hours expected life.  
 -40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.  
 Driver operates at 120-277V input, 0-10V dimmable driver, down to 10%.

### MOUNTING

Designed for direct wire or as a portable luminaire with use of power cord.\*  
 Standard surface mountable underneath electrical box, or surface conduit mount through 3/4" knockout.  
 \*Power cord - optional add-on.

### SENSORS (OPTIONAL)

SENSOR-819W-O1 End mount on/off motion sensor highbay lens (Wet).  
 SENSOR-819W-D1 End mount programmable motion and photocell sensor highbay lens (Wet).  
 SENSOR-BLE-819W End mount ALS CONTROL bluetooth on/off motion sensor lowbay lens (Wet).  
 CONTROL-LVFA AVI-ON Bluetooth Mesh Controller.  
 SENSOR-PH-PB-U Integral Button Style Photocell.



### SHIPPING DATA

| Product | Measurement      | Weight |
|---------|------------------|--------|
| VTA-30  | 27"L x 6"W x 4"H | 4 lb   |
| VTA-45  | 52"L x 6"W x 4"H | 6 lb   |
| VTA-90  | 96"L x 6"W x 4"H | 12 lb  |

### STANDARD FINISH

Semi-gloss White finish standard, IP66 for wet location.

### CERTIFICATION

IP66 Wet location label standard.  
 Meets Buy America Act requirements.  
 IK10 Impact Rated.  
 All luminaires are built to UL1598 standards and bear appropriate cULus labels.  
 For Emergency application, equipment with UL924 certified battery packs.  
 DLC® Premium (DesignLights Consortium Qualified).

### WARRANTY

5 year warranty, see Limited Warranty for additional information.



## VTA SERIES VAPOR TIGHT LINEAR

| ORDER INFORMATION      |                     |                                                                                                            |                            | EXAMPLE: VTA 45 SC WH UD |       |
|------------------------|---------------------|------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|-------|
| Fixture                | Series              | Power & LM                                                                                                 | CCT                        | Finish                   | Input |
|                        | VTA                 |                                                                                                            |                            | WH                       | UD    |
| Accessories<br>Options |                     |                                                                                                            |                            |                          |       |
| A                      | SERIES              |                                                                                                            |                            |                          |       |
|                        | VTA                 | Vapor Tight Linear Field Selectable Output & CCT                                                           |                            |                          |       |
| B                      | POWER & LM          |                                                                                                            |                            |                          |       |
|                        | Code                | Size                                                                                                       | Power                      | LM                       |       |
|                        | 30                  | 2-Foot                                                                                                     | Field Selectable 20/25/30W | 2872 ~ 4021              |       |
|                        | 45                  | 4-Foot                                                                                                     | Field Selectable 34/38/45W | 4941 ~ 6494              |       |
|                        | 90                  | 8-Foot                                                                                                     | Field Selectable 65/75/90W | 9295 ~ 12364             |       |
| C                      | CCT                 |                                                                                                            |                            |                          |       |
|                        | SC                  | Field Selectable 3500K / 4000K / 5000K                                                                     |                            |                          |       |
| D                      | FINISH              |                                                                                                            |                            |                          |       |
|                        | WH                  | White                                                                                                      |                            |                          |       |
| E                      | INPUT               |                                                                                                            |                            |                          |       |
|                        | UD                  | 110-277V, 0-10V Dimmable                                                                                   |                            |                          |       |
| F                      | ACCESSORIES/OPTIONS |                                                                                                            |                            |                          |       |
|                        | AIA                 | Assembled in America, Compliant with BAA (COTS)                                                            |                            |                          |       |
|                        | MOUNT-VT-HOOK       | V Hook Mount - Chain Provided by Others                                                                    |                            |                          |       |
|                        | EMB-8W-B*           | Self-Diagnostic High Voltage Output Emergency Battery 8W 100-347VAC Input 170VDC Output                    |                            |                          |       |
|                        | EMB-18W-B           | 18W Integral Self-Diagnostic Emergency Battery, Operating Temp: 0°C ~ 50°C                                 |                            |                          |       |
|                        | EMB-18W-C-B         | 18W Integral Self-Diagnostic Cold Weather Emergency Battery, Operating Temp: -20°C ~ 50°C                  |                            |                          |       |
|                        | REMOTE-RC100        | Handheld Remote Commissioning Tool for SENSOR-819-D1/D2 Only                                               |                            |                          |       |
|                        | SENSOR-819W-O1*     | End mount on/off motion sensor lowbay lens (Wet)                                                           |                            |                          |       |
|                        | SENSOR-819W-D1*     | End mount on/off/dimming and photocell sensor lowbay lens (Wet)                                            |                            |                          |       |
|                        | SENSOR-BLE-819W-L1* | End Mount PIR Bluetooth Daylight Harvesting Sensor (ALS Control Mobile App) / <b>L1</b> : up to 20FT (Wet) |                            |                          |       |
|                        | SENSOR-PH-PB-U*     | Button Style Photocell                                                                                     |                            |                          |       |
|                        | CONTROL-LVFA*       | AVI-ON Bluetooth Mesh Control System                                                                       |                            |                          |       |
|                        | SURGE-LSP4-U        | 10kV Surge Protector                                                                                       |                            |                          |       |
|                        | -PLUG               | 6-Foot Black Cord and Plug (3-Prong)                                                                       |                            |                          |       |
|                        | -CORD               | 18-3 300V 6 Foot Cord                                                                                      |                            |                          |       |
|                        | TWIST-LOCK          | Specify Plug Type: <b>L515P</b> / <b>L715P</b> / <b>HBL5929</b> / <b>L8-20P</b>                            |                            |                          |       |

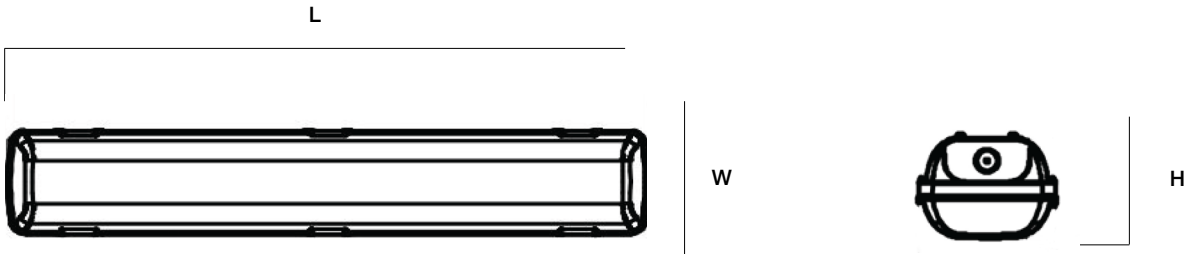
\*see page 4 for sensor spec

\*\*see page 5 for emb spec

VTA SERIES VAPOR TIGHT LINEAR

DIMENSIONS

| Model  | L               | W             | H            |
|--------|-----------------|---------------|--------------|
| VTA-30 | 24.80" (630mm)  | 5.00" (127mm) | 3.50" (89mm) |
| VTA-45 | 45.80" (1240mm) | 5.00" (127mm) | 3.50" (89mm) |
| VTA-90 | 96.80" (2459mm) | 5.00" (127mm) | 3.50" (89mm) |



## VTA SERIES VAPOR TIGHT LINEAR

### PERFORMANCE DATA

| SYSTEM WATTS | CCT   | VOLTAGE  | LUMEN  | LPW | QTY ON PALLET | DLC PRODUCT ID / ORDER CODE                                                          | DLC CLASS       |
|--------------|-------|----------|--------|-----|---------------|--------------------------------------------------------------------------------------|-----------------|
| 45W          | 4000K | 120-277V | 5,400  | 120 | 72            | MVT0345W27V40K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z]<br>Product ID: PWI9MDIW | DLC 5.1 Premium |
|              | 5000K | 120-277V | 5,445  | 121 | 72            | MVT0345W27V50K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z]<br>Product ID: PP0TCD92 | DLC 5.1 Premium |
| 90W          | 4000K | 120-277V | 10,800 | 120 | 72            | MVT0395W27V40K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z]<br>Product ID: P14S0IUY | DLC 5.1 Premium |
|              | 5000K | 120-277V | 10,980 | 122 | 72            | MVT0395W27V50K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z]<br>Product ID: PQJKP0D2 | DLC 5.1 Premium |

### SENSOR SPEC

| Model                                      | Type                  | Mounting  | Coverage    | Input     | Function                                                | Programmable                           |
|--------------------------------------------|-----------------------|-----------|-------------|-----------|---------------------------------------------------------|----------------------------------------|
| SENSOR-819W-O1                             | PIR                   | 20FT      | 30FT radius | Universal | On/Off                                                  | -                                      |
| SENSOR-819W-D1                             | PIR                   | 20FT      | 30FT radius | Universal | On/Off/Dimming                                          | REMOTE-RC100                           |
| SENSOR-BLE-819W<br>(see page 7 for detail) | PIR                   | L1 - 20FT | 30FT radius | Universal | Bluetooth Mesh<br>On/Off/Dimming<br>Daylight Harvesting | ALS Control<br>Bluetooth<br>Mobile App |
| CONTROL-LVFA<br>(see page 6 for detail)    | Fixture<br>Controller | -         | -           | 12V DC    | Bluetooth Mesh<br>On/Off/Dimming<br>Scheduling          | AVI-ON<br>Bluetooth<br>Mobile App      |
| SENSOR-PH-PB-U                             | -                     | -         | -           | Universal | Dusk-to-Dawn Control                                    | -                                      |



SENSOR-819W-XX  
SENSOR-BLE-819W



CONTROL-LVFA

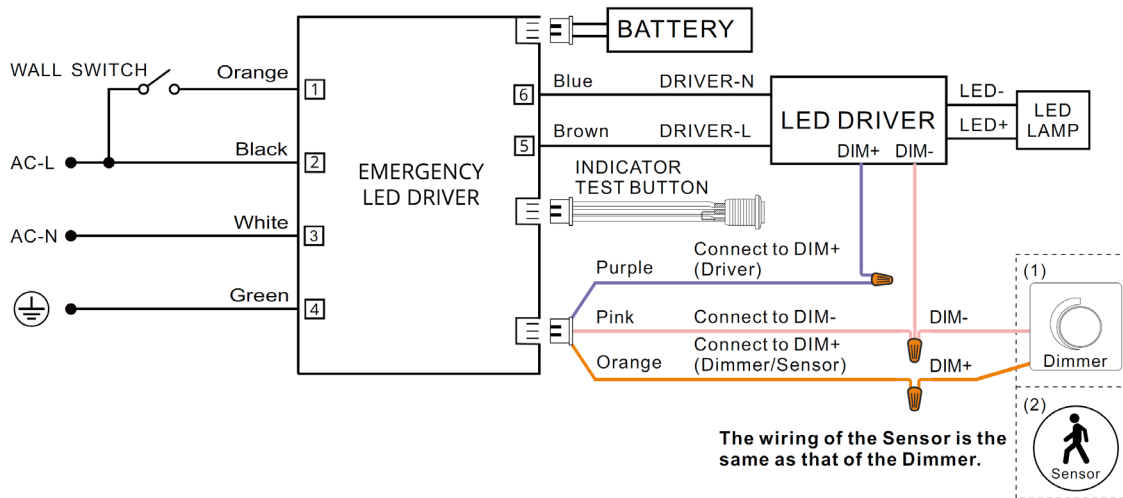


SENSOR-PH-PB-U

## VTA SERIES VAPOR TIGHT LINEAR

### EMB SPEC

| Model       | Battery Capacity | Input      | Output | Output Power | Operating Temp               | Installation                   |
|-------------|------------------|------------|--------|--------------|------------------------------|--------------------------------|
| EMB-8W-B    | 90mins           | 100-347VAC | 170VDC | 8W           | 0°C ~ 50°C<br>32°F ~ 122°F   | Factory<br>or<br>Field Install |
| EMB-18W-B   | 90mins           | 100-347VAC | 170VDC | 18w          | 0°C ~ 50°C<br>32°F ~ 122°F   | Factory<br>or<br>Field Install |
| EMB-18W-C-B | 90mins           | 100-347VAC | 170VDC | 18w          | -20°C ~ 50°C<br>-4°F ~ 122°F | Factory<br>or<br>Field Install |



## VTA SERIES VAPOR TIGHT LINEAR

### CONTROL-LVFA SPEC

#### Status LEDs & Config Button

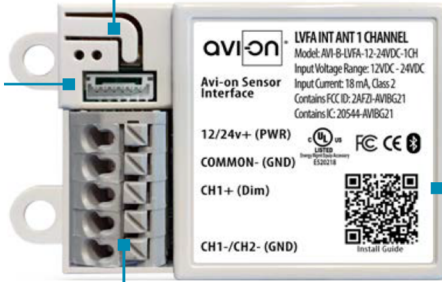
Quick and easy validation of wiring and network

#### Direct Connect™ Sensor Port

Simple and cost-effective addition to Avi-on sensors

#### Terminal Blocks & Mounting Tabs

Faster, easier and lower cost installation eliminating connectors



#### Internal Antenna

Improved performance and eliminates risk of accidentally cutting a hanging wire

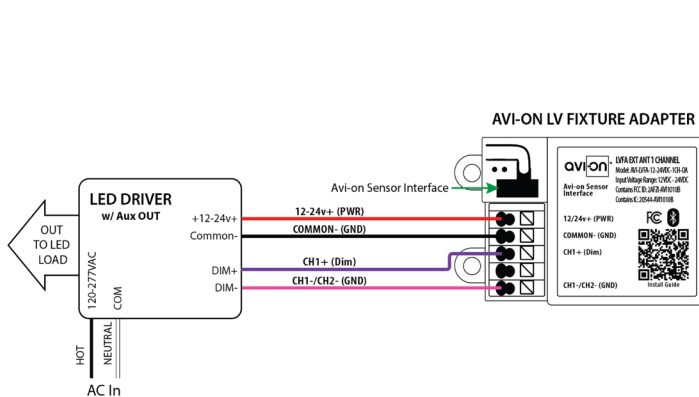
### SPECIFICATIONS

**INPUT VOLTAGE:** 12-24VDC  
**CURRENT:** 15mA without a Sensor  
 19mA with a DC PIR Sensor  
 48mA with a DC Microwave Sensor  
**0-10V DIMMING:** 12-24VDC  
**SIZE:** 2.30in x 1.43in x 0.75in  
 (58.2mm x 36.4mm x 19mm)  
**MOUNTING:** Removable mounting tabs  
**WEIGHT:** 0.45 oz (16g)  
**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

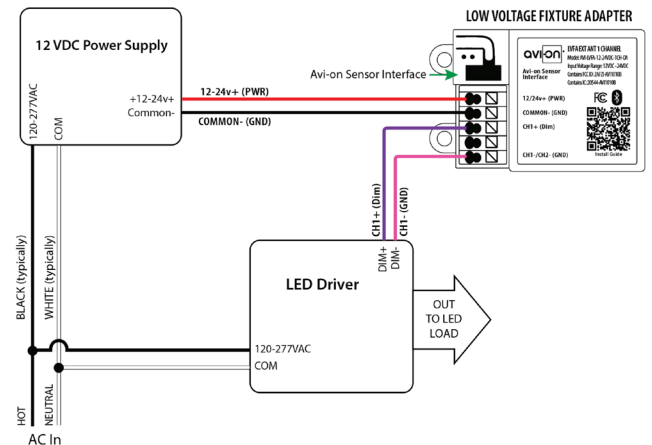
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 10 years optional  
**REGULATORY:** FCC: 2AFZI-AVI1010 B  
 IC: 20544-AVI1010 B  
 BQB: D031801, DID: 86303  
 UL 916, 2043 (Plenum Rated)

\*When communicating through the mesh, range is essentially unlimited (5000ft+)

### WIRING DIAGRAM



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply

### FEATURE

- **Installation:** Factory or Field Install End Mount to Fixture
- **Commissioning:** Wirelessly through ALS Control Mobile App (iOS / Android)
- **Certification:** DLC 5.1 Networked Lighting Control System
- **Control:** Hold time, High-Low setting, continuous Bi-level dimming, Code-compliant manual-on or auto-off capability
- **Sensor:** Motion (Occupancy/Vacancy/Manual) and Daylight Harvesting
- **Room and Zone Control:** Zoning and Grouping control, Scheduling

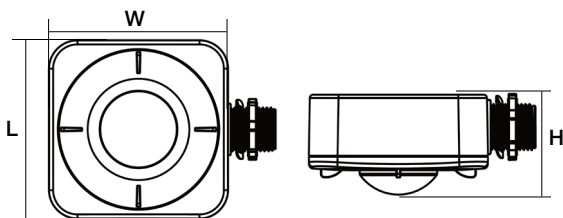


### SPECIFICATIONS

**SENSOR TYPE:** Passive Infrared Sensor (PIR)  
**WIRELESS STANDARDS:** Bluetooth SIG Mesh  
**INPUT VOLTAGE:** 120/277VAC  
**CONTROL OUTPUT:** 0-10V  
**OPERATING TEMP:** -40°F ~ +167°F (-40°C ~ +75°C)

**COMMISSIONING RANGE:** 50FT  
**BLUETOOTH RANGE:** Integral antenna up to 100FT  
**DETECTION ANGLE:** Vertical 90° x Horizontal 360°  
**MOUNTING HEIGHT:** 8 - 40FT  
**WARRANTY:** 5 years  
**IP RATING:** IP65 Wet

### DIMENSIONS



| L               | W                | H                 |
|-----------------|------------------|-------------------|
| 3.19"<br>(81mm) | 4.02"<br>(102mm) | 1.70"<br>(43.3mm) |

### COVERAGE PATTERNS

