ALS®
Advantage Lighting Solutions

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.

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VTA SERIES VAPOR TIGHT LINEAR

ORDER INFORMATION				EXAMPLE: VTA 45 SC WH UD	
Fixture	Series	Power & LM	CCT	Finish	Input
	VTA			**WH**	**UD**
Accessories 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

BAA	Assembled in America, Compliant with BAA (COTS)
MOUNT-VT-HOOK	V Hook Mount - Chain Provided by Others
EMB-8W-B**	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
EMB-18W-B**	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output
EMB-18W-C-B**	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output -20°C-50°C (-4°F-122°F)
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) / **L1:** 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: **L515P** / **L715P** / **HBL5929** / **L8-20P**

*see page 4 for sensor spec

**see page 5 for emb spec

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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)

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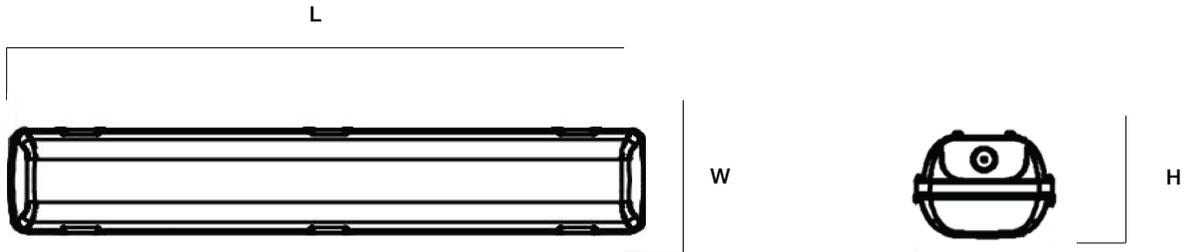
PERFORMANCE DATA

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] Product ID: PWI9MDIW	DLC 5.1 Premium
45W	5000K	120-277V	5,445	121	72	MVT0345W27V50K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z] Prdouct 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] Product ID: P14S0IUY	DLC 5.1 Premium
90W	5000K	120-277V	10,980	122	72	MVT0395W27V50K[W,D,B][Blank,M][Blank,B]PG[Blank,0-9,A-Z,a-z] Product ID: PQJKP0D2	DLC 5.1 Premium

SENSOR SPEC

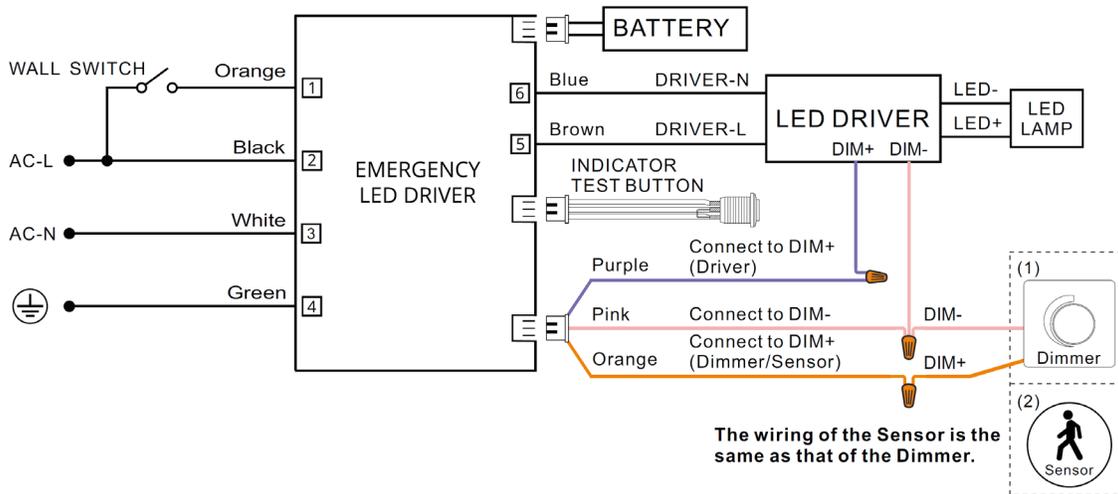| Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-819W-O1	PIR	20FT	30FT radius	Universal	On/Off	-
SENSOR-819W-D1	PIR	20FT	30FT radius	Universal	On/Off/Dimming	REMOTE-RC100
SENSOR-BLE-819W (see page 7 for detail)	PIR	L1 - 20FT	30FT radius	Universal	Bluetooth Mesh On/Off/Dimming Daylight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

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

CONTROL-LVFA

SENSOR-PH-PB-U

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EMB SPEC

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

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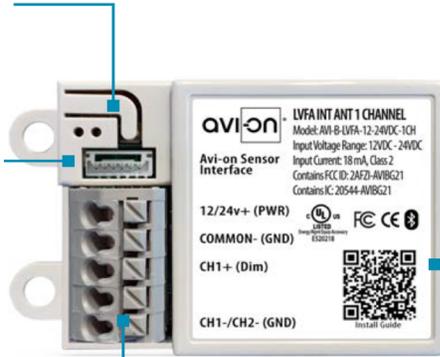## CONTROL-LVFA SPEC

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)
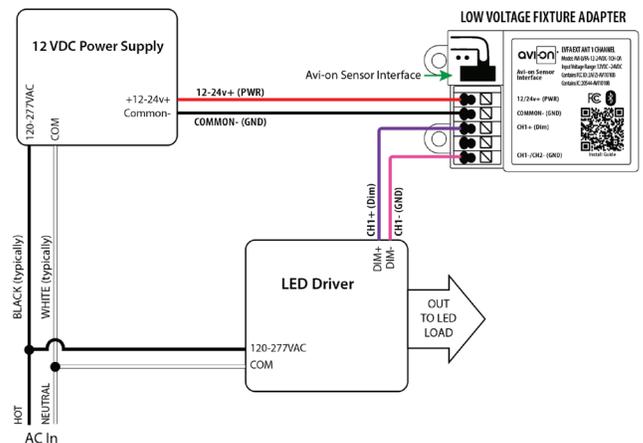**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

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
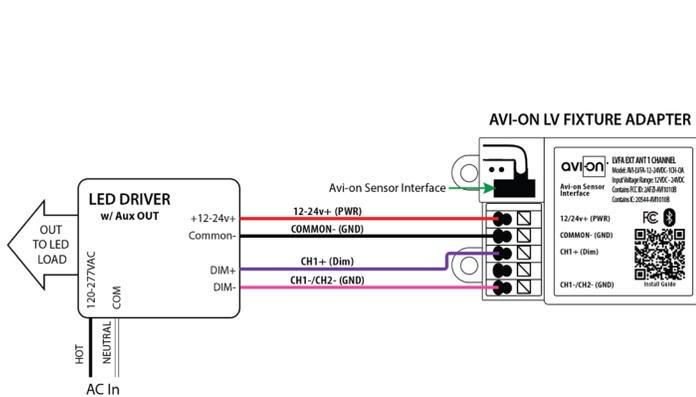
Fixture adapter powered by LED driver auxiliary output

Fixture adapter connected to LED driver and using power supply

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ALS CONTROL

SENSOR-BLE-819W BLUETOOTH PIR SENSOR

Client:
Project:
Type:
Quantity:

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
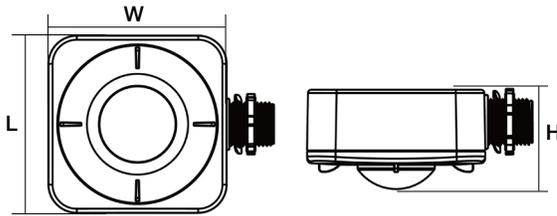- **Room and Zone Control:** Zoning and Grouping control, Scheduling

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:	Intergral 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" (81mm)	4.02" (102mm)	1.70" (43.3mm)

COVERAGE PATTERNS

SIDE VIEW (in feet)

L1 Lens

L2 Lens

TOP VIEW (in feet)

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