

#### CONSTRUCTION

Polycarbonate material housing, compact design with stainless steel latches. 3/4" knockout back and end of housing for end mount sensor, through wiring or surface conduit mount.

#### OPTICS

Frosted polycarbonate lens offers edge to edge smooth illumination for maximum visual comfort.

#### ELECTRICAL

Delivered average 160lm/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 50°C (-40°F up to 122°F) maximum operating temperature.

Driver operates at 120-277V Input, Dim-to-Off 0-10V driver, 12V AUX Output.

Surge protection: L-N: 6kV; L/N-GND: 6kV.

Over temperature protection.

#### 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-L1 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.

#### STANDARD FINISH

Light Gray finish standard, IP66 for wet location.

#### CERTIFICATION

IK10 Impact Rated.

National Sanitation Foundation Certified & Listed.

IP66 Wet location label standard.

Meets Buy America Act requirements.

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.



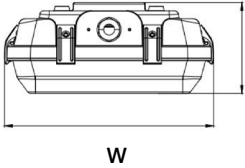
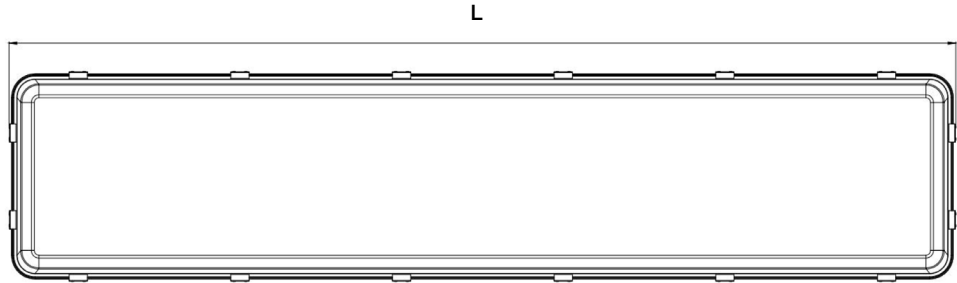
## VTNSF SERIES NSF CERTIFIED VAPOR TIGHT LINEAR

ORDER INFORMATION				EXAMPLE: VTNSF 200 SC WH UD	
Fixture	Series	Power & LM	CCT	Finish	Input
	VTNSF		SC	GR	UD
Accessories Options					
A	SERIES				
	VTNSF	NSF Certified Vapor Tight Linear Field Selectable Output & CCT			
B	POWER & LM				
	Code	Size	Power	LM	
	200	4-Foot	Field Selectable 200W / 185W / 155W	32,000 / 30,000 / 25,000lm	
	135	4-Foot	Field Selectable 135W / 115W / 110W	22,000 / 19,000 / 16,000lm	
C	CCT				
	SC	Field Selectable 3500K / 4000K / 5000K			
D	FINISH				
	GR	Light Gray			
E	INPUT				
	UD	120-277V Input, 0-10V Dim-to-Off			
F	ACCESSORIES/OPTIONS				
	AIA	Assembled in America, Compliant with BAA (COTS)			
	MOUNT-VTNSF-HOOK	V Hook Mount - Chain Provided by Others			
	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					

**VTNSF SERIES NSF CERTIFIED VAPOR TIGHT LINEAR**

**DIMENSIONS**

Model	L	W	H
VTNSF	47.5" (1206mm)	10.5" (266mm)	4.5" (115mm)



## VTNSF SERIES NSF CERTIFIED VAPOR TIGHT LINEAR

### SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-819W-O2	PIR	40FT	30FT radius	Universal	On/Off	-
SENSOR-819W-D2	PIR	40FT	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

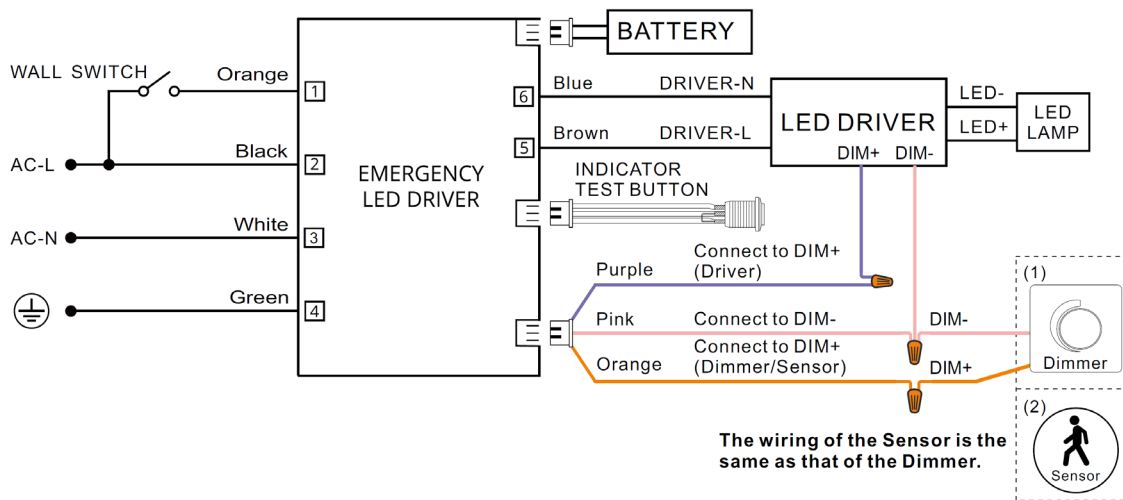


SENSOR-PH-PB-U

## VTNSF SERIES NSF CERTIFIED VAPOR TIGHT LINEAR

### EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
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



## VTNSF SERIES NSF CERTIFIED VAPOR TIGHT LINEAR

### CONTROL-LVFA SPEC

#### Status LEDs & Config Button

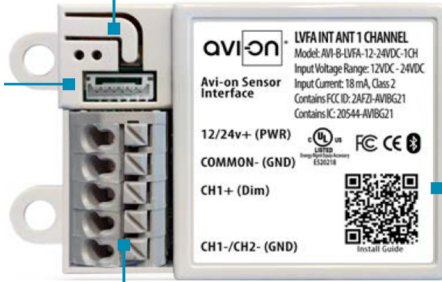
Quick and easy validation of wiring and network

#### 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

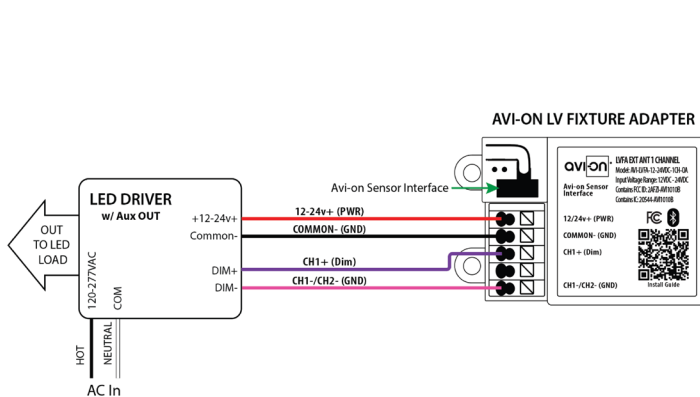
### SPECIFICATIONS

**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)

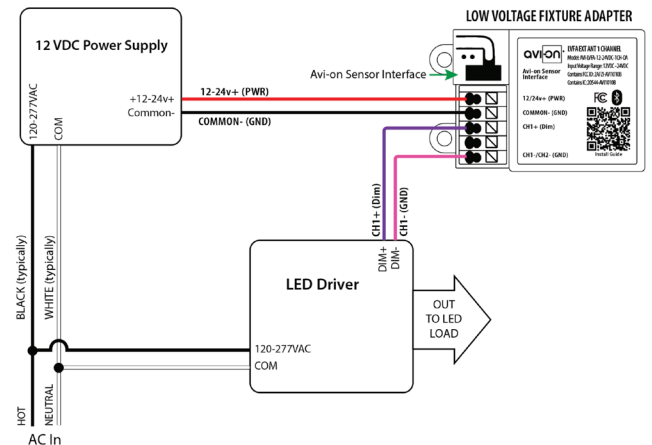
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 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

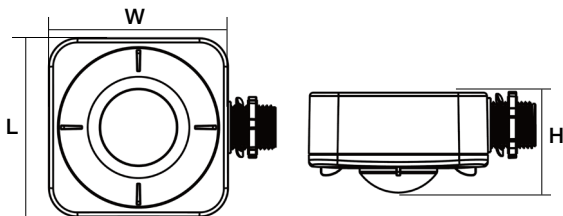


### SPECIFICATIONS

**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" (81mm)	4.02" (102mm)	1.70" (43.3mm)

### COVERAGE PATTERNS

