

# LED VAPOR TIGHT



## PRODUCT DESCRIPTION

The LED vapor tight linear fixture is more energy-efficient and low maintenance compared with traditional fluorescent. This fixture is operating between 100 and 277 volts and comes in 4ft and 8ft. This fixture is a versatile wet location listed fixture for demanding industrial applications.

## FEATURE

- 6% Up-light to reduce cave effect
- IP66 rated for wet location
- 5VA impact-resistant polycarbonate

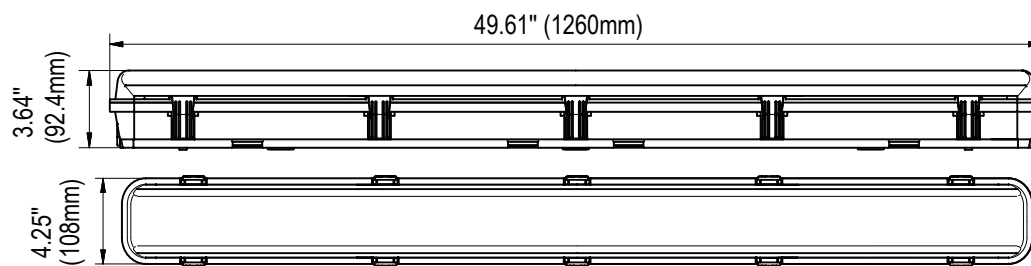
## ELECTRICAL SYSTEM

- Input Voltage: 120-277V 50/60Hz
- Minimum Ambient -40°C, Maximum Ambient is 35°C  
If for 4ft, 80W, the maximum Ambient is 86°F(30°C)
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load

## SPECIFICATION

### 4FT

Net Weight: 5.58lbs



## PERFORMANCE

CRI

80

CCT

3000K, 4000K, 5000K

Dimming

0-10V Dimming Standard

Projected Lifetime

L70 - 170,000 Hours

Working Temperature

-40-95°F (-40-35°C)

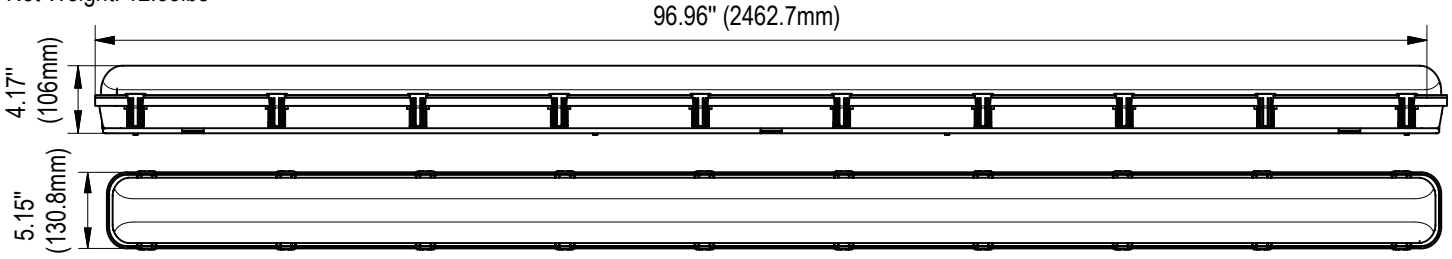
Notes: If for 4ft, 80W, the maximum Ambient is 86°F(30°C)

Certifications

- UL listed
  - DLC Premium qualified
  - Suitable for wet locations
  - RoHs compliant
- \* DLC is only available for 4ft, 4000K and 5000K. If needs DLC for other models please contact Customer Service.

## 8FT

Net Weight: 12.35lbs



## Ordering Information

Example: VP12D40501

Vapor Tight	Dimension	Dimmable	Watts	CCT	Voltage	Controls
VP	12 - 4FT <sup>1</sup>	D - 0-10V	40 - 40 Watts	30 - 3000K	1 - 120-277V	Blank - None
		Dimmable	65 - 65 Watts	40 - 4000K		EBU- Emergency Battery Back-up <sup>2</sup>
			80 - 80 Watts	50 - 5000K		MSW - Microwave Motion Sensor <sup>3</sup>
	24 - 8FT		100 - 100 Watts			

1. Stock is only for 4ft, 40W. Please contact Customer Service for lead time of others.
2. Emergency Battery Back-up is not available for 8ft, 100W.
3. Microwave dimming sensor is pre-installed inside the fixture only for 4ft. If for 8ft, it must be bought separately and field installed. Sensor is for mounting height 20ft max. Dimming default setting is Bi-Level dim and dimming to 30%. Besides, daylight sensor default setting is disable. If need other dimming levels such as 10% or 50%, ON/OFF function, they can be set by a remote control which need to be bought separately. If the setting need to be set in factory, please consult with customer service in advance.

\*Special Order- Ask Customer Service for Details

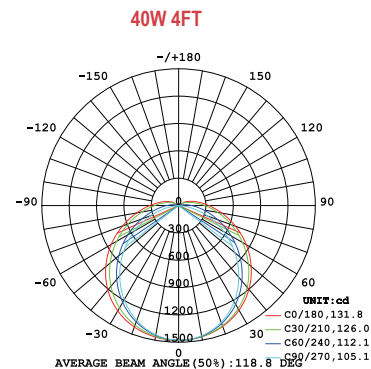
### Accessories (Ordered separately and field installed)



**VP24-MSW**  
 External microwave motion sensor kits for 8ft vapor tight

## PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



## PERFORMANCE DATA

### LUMEN OUTPUT

Lumen values are measured by third party certified laboratories performed in accordance with IESNA LM-79-08 as well as Lighting Facts listed.

Watts	Size	Lumen Output	Measured Watts	CRI	AC Input 120V	CCT	LPW
40W	4ft	4890	36W	80	0.30A	5000K	<b>136</b>
65W	4ft	8000	65W	80	0.54A	5000K	<b>123</b>
80W	4ft	10000	80W	80	0.67A	5000K	<b>125</b>
100W	8ft	12730	95W	80	0.79A	5000K	<b>134</b>

#### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the LED Vapor Tight Linear Fixture in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	11,000H	21,000H	42,000H	175,000H
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	<b>0.70(L70)</b>

#### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -40-95°F (-40-35°C). If for 4ft, 80W, the maximum Ambient is 86°F(30°C)

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
10	50	1.01
20	68	1.00
25	77	1.00
30	86	1.00
40	104	0.99

System Wattage	Max THD (%)	Power Factor	Power Efficiency	Replaces/ Equiv.(FL)
24W	20	>0.9	86%	2 Lamp - 32W T8
40W	20	>0.9	99%	3 Lamp - 32W T8
100W	20	>0.9	92%	6 Lamp - 32W T8

## MICROWAVE DIMMING SENSOR

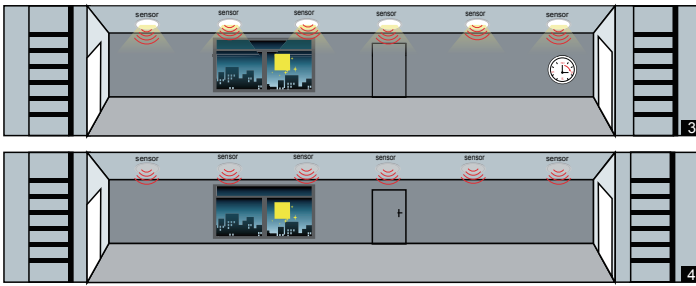
### DIMMING FUNCTION

#### 3-step dimming function

The sensor is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



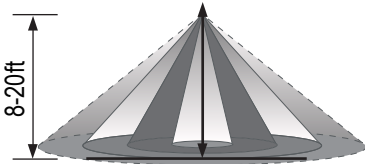
1. No motion detected, all lamps switch off.
2. Any movement is detected from any direction, all lamps synchronously switch on.



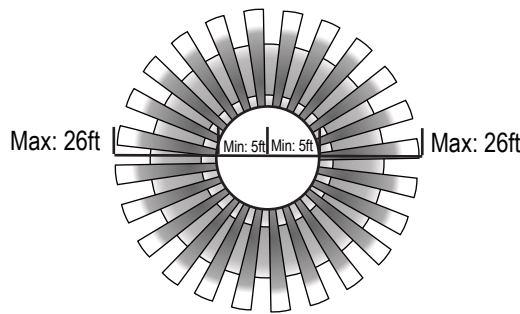
3. No motion is detected in detection area, all lamps synchronously dim to a low light level after hold time.

4. After stand-by period, the lamps switch off if no movement is detected in the detection zone.

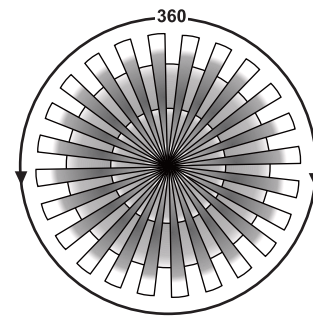
## SENSOR COVERAGE



Height of installation: 8-20ft



(Height of installation 8ft)  
Detection Range



Detection Radius/Angle: Max 26ft. (8m) / 360°  
Detection Angle

## MICROWAVE DIMMING SENSOR SETTING (120-277V)

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application. The sensor setting also can be done by a remote control (RC-100) which need to be bought separately.

	1	2	
I	↓	↓	20%
II	↓	↑	50%
III	↑	↓	75%
IV	↑	↑	100%

### Sensitivity

Sensitivity can be reduced by selecting the combination on the DIP switches to fit precisely each application .

**Default Setting: 100%**

	3	4	
I	↓	↓	10 S
II	↓	↑	1 Min
III	↑	↓	5 Min
IV	↑	↑	15 Min

### Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

**Default Setting: 5min**

	5	6	
I	↓	↓	☀
II	↓	↑	10 Lux
III	↑	↓	30 Lux
IV	↑	↑	50 Lux

### Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

**Default Setting:** ☀ (light sensor disable)

	7	8	
I	↓	↓	0%
II	↓	↑	10%
III	↑	↓	30%
IV	↑	↑	50%

### Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

**Default Setting: 30%**

	9	10	
I	↓	↓	+ ∞
II	↓	↑	1 Min
III	↑	↓	30 Min
IV	↑	↑	60 Min

### Stand-by time

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to " +∞ " mode, the low light is maintained until motion is detected

**Default Setting: +∞**

## Warranty

Five year limited warranty. Full warranty terms located at [www.abovealllighting.com/warrantystatements](http://www.abovealllighting.com/warrantystatements)

## Note:

Specifications subject to change without notice.