



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

## LED VAPOR TIGHT

## LVT Series

Linear Luminaires

### DESCRIPTION

The Alphalite LVT series is a modern and versatile integrated LED solution that delivers long life and energy savings within a low profile design. The rugged housing and dedicated LED design offers advanced thermal management and protection against indoor and semi-outdoor environments.

### APPLICATION

Applications include parking garage, canopy, car wash, cold storage, transportation, retail and other environments where moisture or dust may be present.

### SPECIFICATION FEATURES

#### Construction

Non-Corrosive (PC) Polycarbonate housing with stainless steel spec grade hasps and clips will provide resistance to corrosion, rust and weathering. Performance-engineered, integral structure provides superior thermal management for long life and reliability. Housing and optics maintain IP65 and impact resistance IK08 rating. Tamper proof option available.

#### Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. Comes equipped with quick disconnect for compliance with US code. 0-10V dimming comes standard.

#### Mounting

Quick mounting clips included. Suitable for suspension mounting, surface mounting, Junction box mounting or pendant mounting.



#### Finish

Grey housing and frosted lens finish standard.

#### Optics

Highly efficient polycarbonate lens effectively reduces LED pix elation and diffuses light for less glare.

#### Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, and other control strategies to achieve deeper energy-savings and code compliance.

#### Certifications / Regulatory

UL listed. DLC QPL listed. All components have safety approvals. NSF rated for used in Splash Zones and Non-food Zones of Food Equipment.

#### Warranty

7-year limited warranty. See complete warranty terms for details.

### Quick Ship Product

- LVT-4VL(25S)/840
- LVT-4VL(25S)/850
- LVT-4L(45S)/840
- LVT-4L(45S)/850
- LVT-8VH(90S)/840
- LVT-8VH(90S)/850
- LVT-8H(90/75/65S)/840
- LVT-8H(90/75/65S)/850

## ORDERING INFORMATION

Sample Number: LVT-4L(45S)/840

LVT	4	H	8	40	(Blank)	(Blank)
<b>Series</b>	<b>Form Factor</b>	<b>Lumen Package</b>	<b>CRI</b>	<b>CCT</b>	<b>Input Voltage</b>	<b>Dimming</b>
LVT- LED Vapor Tight	2 - 2' 4 - 4' 8 - 8'	VL - Very Low Wattage L - Low Wattage H - High Lumen VH - Very High Lumen *see energy data for details	8 - 82+ CRI	35 - 3500K 40 - 4000K 50 - 5000K	(Blank) - 120V-277V	(Blank) - 0-10V

### Options

#### Accessories

TP - Tamper proof

#### Controls

MMS - Integrated step dimming microwave motion sensor

LP(H/M/L)-INT - Limelight by Lutron Radio Module PCB and PIR Sensor Assembly (High/Medium/Low mounting height)

LRF-INT - Limelight by Lutron Radio Module PCB Assembly

#### Emergency Backup

(Lumen will maintain over the 90-minute duration)

EM700 - 700lm

EM1400 - 1400lm

EM2000 - 2000lm

SUMMARY

ENERGY PERFORMANCE DATA

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	10%
Efficacy	> 130 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	0-10V Continuous (10-100%)
CRI	> 83
CCT	3500K, 4000K, 5000K
Operating Temp.	-4 ~ +131 °F (-20 ~ +55 °C)
Rated Life <sup>1</sup>	70,000 hours

Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'	LVT-2L(25S2)/835	25	25	3250	130
	LVT-2L(25S2)/840				
	LVT-2L(25S2)/850				
4'	LVT-4VL(25S2)/835	25	23.83	3225	129
	LVT-4VL(25S2)/840			3250	130
	LVT-4VL(25S2)/850			3275	131
	LVT-4L(45S2)/835	45	44.32	5760	128
	LVT-4L(45S2)/840			5850	130
	LVT-4L(45S2)/850			5895	131
	LVT-4H(52S2)/835	52	50.94	6812	131
	LVT-4H(52S2)/840			6864	132
	LVT-4H(52S2)/850			6916	133
	LVT-4VH(65S2)/835	65	63.18	7150	110
	LVT-4VH(65S2)/840			7280	112
	LVT-4VH(65S2)/850			7540	116
8'	LVT-4VH(64/56/46S2)/835	64/56/46	64/56/46	8256/7224/5934	129
	LVT-4VH(64/56/46S2)/840			8320/7280/5980	130
	LVT-4VH(64/56/46S2)/850			8384/7336/6026	131
8'	LVT-8H(90/75/65S)/835	90/ 75/ 65	90/ 75/ 65	11700/9750/8450	130
	LVT-8H(90/75/65S)/840			11790/9825/8515	131
	LVT-8H(90/75/65S)/850			11880/9900/8580	132

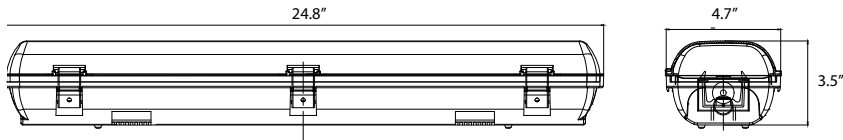
1. Rated life is based on Maintenance of lumen (L70) from LM-80 and TM-21. L70 is the hours of the fixture which dimmed to 70% of its original output.

PHYSICAL PARAMETERS

DIMENSION

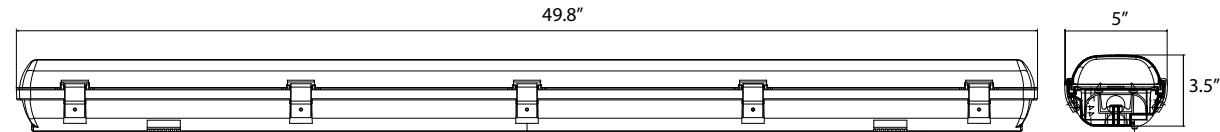
LVT-2

3.09 Lbs.



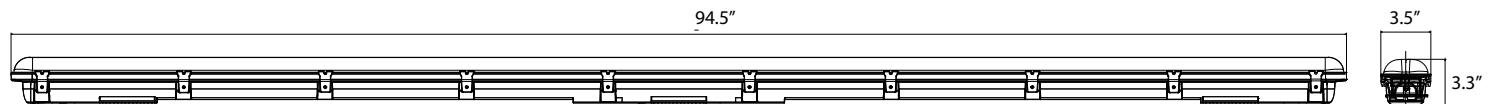
LVT-4

5.95 Lbs.



LVT-8

7.72 Lbs.



-DMMS/MMS control pre-commissioning

Sample Number: -MMS (5-3M-L3-S10M)

10	3M	L3	S10M	(Blank)
<b>Detection Area</b> 5 - 50% 1 - 10%	<b>Hold Time</b> 20M - 20 min. 3M - 3 min. 90S - 90 sec. 30S - 30 sec. 5S - 5 sec. N - ∞	<b>Low Mode</b> L5 - 50% L3 - 30% L2 - 20% L1 - 10%	<b>Stand-by Period</b> SN - ∞ S1H - 1 hr. S30M - 30 min. S10M - 10 min. S5M - 5 min. S5S - 5 sec. (Blank) - Disable	<b>Daylight Sensor</b> (Blank) - Disable D100 - 100 lux D50 - 50 lux D25 - 25 lux D10 - 10 lux D5 - 5 lux D2 - 2 lux
<p><b>Detection Area:</b> Detection area can be reduced to fit precisely each application.</p> <p><b>Hold Time:</b> The time period the luminaire remains at 100% illumination after no motion detected.</p> <p><b>Low Mode:</b> The selected low light level after the hold time.</p> <p><b>Stand-by Period:</b> The time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people. When set to "∞" mode, the low light level is maintained until motion is detected.</p> <p><b>Daylight Sensor:</b> The sensor can be set to only allow the luminaire to illuminate below a defined ambient brightness threshold. When set to "Disable" mode, the daylight sensor will switch on the luminaire when motion is detected regardless of ambient light level.</p> <p>**Noted that daylight sensor is active only when the luminaire switches off**</p>				