LVT
Commercial Grade LED Vapor Tight

IP67 CERTIFIED

IP66 CERTIFIED

IP65 CERTIFIED

PRODUCT SPECIFICATIONS

DESCRIPTION
The LVT Series is a Commercial Grade LED Vapor Tight, gasketed enclosure that is completely dust and moisture resistant. The LVT utilizes state-of-the-art LED technology to deliver the highest possible efficiency in the lighting industry.

APPLICATIONS
The LVT Series of LED Vapor Tights were designed to be high quality, energy efficient LED fixtures for use in food processing facilities, kitchens, parking garages, canopy, stair well car washes, government facilities, schools, public areas and industrial facilities. Suitable for both indoor and outdoor applications.

CONSTRUCTION
The fixture is constructed of a fiberglass housing with a VA (f1) FRP UL rating, and an acrylic or polycarbonate diffuser securely positioned in a permanent, poured-in-place, polyurethane sealing gasket. The diffuser and upper components are locked in place and sealed tightly with polycarbonate retaining latches or optional stainless steel latches. High impact acrylic/DR material diffuser composition. Positive cam latches. Polyethylene molded end plugs.

OPTICAL SYSTEM
High output LED's available in 2700K, 3000K, 3500K, 4000K, and 5000K. CRI >82. Diffuser softens light dissipation for even light coverage. Various lens materials available.

ELECTRICAL SYSTEM
0-10V dimming driver included standard. Long-life LED system rated for >120K life hours (L70 @ 25°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards.

CONTROLS
The fixture is compatible with 0-10V dimming controls, 0-10V dimming driver included standard. 50% step dimming is available upon request.

MOUNTING
The fixture can be suspended or surface mounted. Optional top only hub entry or combination top and end hub entry available for stem mounting applications. Die formed galvanized mounting brackets come standard. No holes required for mounting. Unitized internal/external brass mounting stud for structural integrity and continuity of ground.

LISTINGS
Independantly tested to IESNA LM-79 and LM-80 specifications. Please refer to www.designlights.org for a complete listing of qualified models. UL and cUL Listed. CSA approved. NSF International Certified. IP65, IP66 and IP67 Certified for Wet Location applications. Proudly made in America. Manufactured in Fort Worth, Texas.

WARRANTY
5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

ORDERING INFORMATION
Example: LVT450HM

LVT								
Series	**Length (IN)**		**CCT**		**Output**	**Voltage**	**Lens Options/Adders**	**Options**
LVT	**2** 27.69" Overall Length		**27** 2700K	**SL** Standard Low		**M** Multi-Volt (120-277VAC)	**BLANK** Shallow Lens Acrylic (Smooth) - Standard	**12EBL** 1200 Lumen Emergency Ballast
			30 3000K	**ML** Medium Low				**OC4EX** Occupancy Sensor
	4 51.65" Overall Length		**35** 3500K	**HL** High Low			**RA** Acrylic Ribbed	**1P** Single Pendant w/ Reinforcement Plate
			40 4000K	**SM** Standard Medium				**2P** Double Pendant w/ Reinforcement Plate
	8 99.65" Overall Length		**50** 5000K	**MM** Medium Medium			**RAF** Acrylic Ribbed* (Frosted)	**SSL** Stainless Steel Latches Polycarbonate
				HM High Medium				**PTP** Tamper Proof Latches Stainless Steel
				SH Standard High			**DAF** Deep Lens Acrylic* (Frosted)	**SSLTP** Tamper Proof Latches
				MH Medium High				**LDE1** Lutron LDE1 Hi-Lume 1% EcoSystem Fade-To-Black Driver Upgrade
				HH High High			**DAS** Deep Lens Acrylic* (Smooth)	**LDE5** Lutron LDE5 5-Series EcoSystem 5% Dimming Driver Upgrade
							SAF Shallow Lens Acrylic* (Frosted)	**VDO** Vive Integral RF controller with daylight and occupancy sensing.
							SPF Shallow Lens Polycarbonate* (Frosted)	**FCJS0** Lutron Vive attached RF fixture controller 0-10V/277V
							SPS Shallow Lens Polycarbonate* (Smooth)	**45WMB** Stainless Steel 45° Wall Mount Bracket
								CMB Stainless Steel Chain Mounting Brackets

*Additional costs for lens enclosure upgrades

FIXTURE DIMENSIONS

51.65"

6.77"
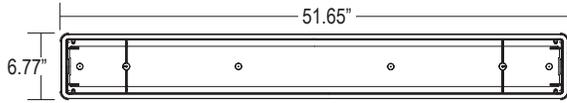
Fixture Analysis

Dimensions	51.65" x 6.77" x 4.25"
Mounting	Surface or suspension
Weight	12 lbs
Warranty	5-Year Limited

Lens Dimensions	
Standard	1.92" x 6.40"
Deep	3.50" x 6.40"
Shallow	1.92" x 6.40"

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6.77"

4.36"
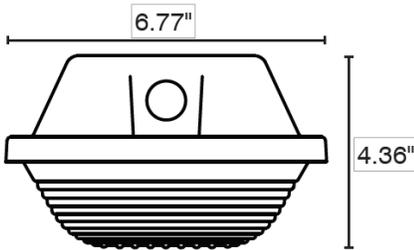
Available in (smooth) or (frosted)

Deep Lens

6.77"

5.72"
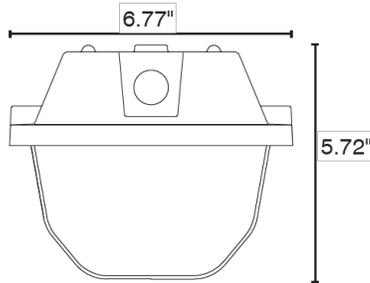
Available in (smooth with frosted ends) or (frosted)

Shallow Lens

6.77"

4.19"
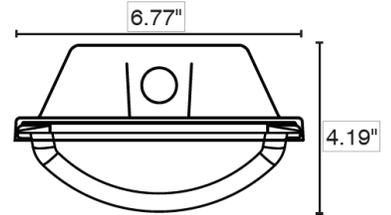
Available in (smooth) or (frosted)

ENERGY AND PERFORMANCE DATA

Input Voltage	120/277VAC
System Input Power	33 - 179 Watts*
Delivered Lumen Output	4650 - 25000 Lumens
Standard Dimming Control	0-10V
CCT	3000, 3500, 4000, 5000 Kelvin
CRI	82 (minimum)
Life Time Rating	>120,000 hrs @ L70
Input Frequency	50/60 Hz
Power Factor	>0.9
Operating Temp	30° to 50° C

*Actual wattage may differ by ±5% while operating 120/277V ±10%

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
SL	4650	33	>120K
ML	7974	57	>120K
HL	11150	80	>120K
SM	12040	86	>120K
MM	13016	93	>120K
HM	15728	112	>120K
SH	16500	118	>120K
MH	20000	143	>120K
HH	25000	179	>120K

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91