

## MLVT

### Commercial Grade LED Vapor Tight for Healthcare Facilities



**NEMA 4X** **PSI 1500**



### PRODUCT SPECIFICATIONS

#### DESCRIPTION

The MLVT Series is a commercial grade LED vapor tight, with a sealed and gasketed enclosure that is completely dust and moisture resistant. The MLVT utilizes state-of-the-art LED technology to deliver the highest possible efficiency in the lighting industry.

#### APPLICATIONS

The MLVT Series of LED Vapor Tights were designed to be high quality, energy efficient LED fixtures for use in healthcare facilities, hospital kitchens, parking garages, canopy, stair wells, and more. Suitable for both indoor and outdoor applications.

#### CONSTRUCTION

The fixture is constructed of a fiberglass housing with a VA (f) 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. 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

Independently tested to IESNA LM-79 and LM-80 specifications. 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](http://www.aelnow.com/warranty).

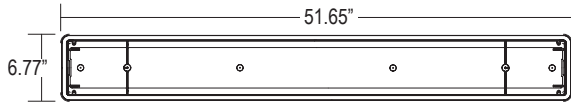
### ORDERING INFORMATION

Example: MLVT450HM

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

\*Additional costs for lens enclosure upgrades

### FIXTURE DIMENSIONS

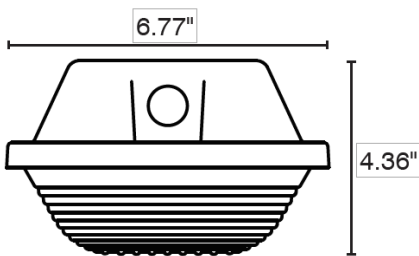


#### Fixture Analysis

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

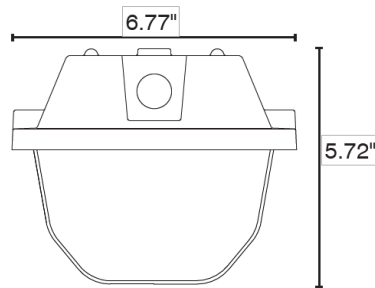
Lens Dimensions	
Standard	1.92" x 6.40"
Deep	3.50" x 6.40"
Shallow	1.92" x 6.40"

#### Standard Lens



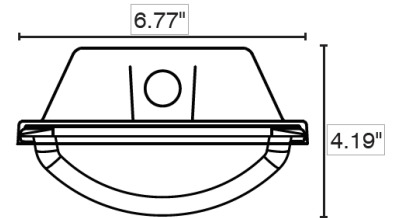
Available in (smooth) or (frosted)

#### Deep Lens



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

#### Shallow Lens



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	100,000 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	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

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