

MLVT

COMMERCIAL GRADE
LED VAPOR TIGHT



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 (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. 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: BAA and BABA compliant. Independently tested to IESNA LM-79 and LM-80 specifications. ETL and cETL Listed. CSA approved. Conforms to the standard requirements of NSF. 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 on Next Page 

ORDERING INFORMATION:

Example: MLVT-2-30-5L-M-RA-W-OWS

SERIES	LENGTH	CCT	OUTPUT (LUMENS)	WATTAGE	LENS OPTIONS	DISTRIBUTION	OPTIONS	
MLVT	2	27.69" Overall	30 3000K 35 3500K	M Multi-Volt (120-277VAC)	BLANK Shallow Lens Acrylic (Smooth Frosted) DAF Deep Lens Acrylic (Smooth Frosted) DAS Deep Lens Acrylic (Smooth Clear) SA Shallow Lens Acrylic (Smooth Clear) SPF Shallow Lens Polycarbonate (Smooth Frosted) SPS Shallow Lens Polycarbonate (Smooth Clear)	BLANK Narrow W Wide	12EBL 1200 Lumen Emergency Ballast OS Occupancy Sensor Single Pendant w/ Reinforcement Plate 1P Single Pendant w/ Reinforcement Plate 2P Double Pendant w/ Reinforcement Plate SSL Stainless Steel Latches L Lutron *	
	4	51.65" Overall	40 4000K 50 5000K					2L 2000 3L 3000 5L 5000 7L 7000 10L 10,000 14L 12,000 18L 18,000 25L 25,000 XXXL Custom
	8	99.65" Overall						

Delivered lumens vary based on length of unit. Consult factory for more info.

Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

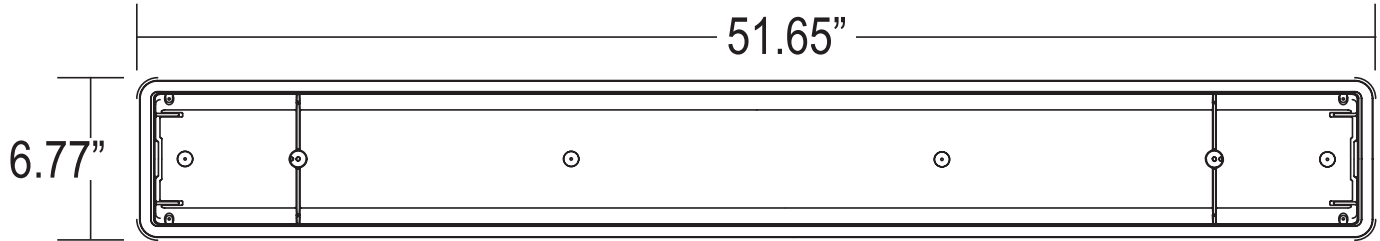
INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 187.5 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER	
5000K X	1.03
4000K X	1
3500K X	.97
3000K X	.94
2700K X	.91

PART#	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	173.4	>100K

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

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"