



# LW25W-VP SERIES

## Vandal Resistant Option — Linear LED Luminaire

VERY HIGH LUMEN PACKAGES

Fixture Type: \_\_\_\_\_

Job Information: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### SPECIFICATIONS:

#### LED MODULES:

- High performance linear configured LED module boards.
- Each board consists of multiple mid-power, high efficacy LEDs in a precise layout eliminating the need for supplemental heat sinking.
- The boards produce an even and diffuse light which maximizes optical efficiency.
- Compatible with the dimming performance of the LED driver.
- Color temperatures available: 3000K, 3500K and 4000K.
- Upon request: 5000K.

#### LED DRIVERS:

- Factory programmable constant current LED power supply.
- Multiple standard drive current outputs (factory set by Mercury) are cataloged with their corresponding lumen package offerings. Upon request, custom drive current outputs and lumen packages are available.
- Note: Certain cataloged lumen packages may be provided with a non-programmable constant current LED power supply at Mercury's discretion. Contact factory if critical.
- Universal voltage input, 120V-277V, 50HZ-60HZ.
- Specification grade dimming down to 1% on 0-10V dimming controls.

#### LED LUMEN PACKAGES:

- Cataloged standard lumen packages. See attached chart for full details.
- Custom lumen packages pre-set are optional with programmable drivers only. Contact factory for details.

#### HOUSING:

- Fabricated from 20 gauge or optional 18 or 16 gauge cold rolled steel with housing ends welded into place.
- Diffuser retaining strips secured with tamper-proof screws.
- White polyester powder coating finish for long lasting durability.
- Sufficient electrical knockouts are provided on the housing back and ends.

#### DIFFUSER:

- Nominal nine-inch wide gently-curved profile design.
- Extruded from custom formulated high transmission unbreakable polycarbonate frosted material.
- Linear ribbing for high LED performance.

#### STANDBY LIGHTING OPTION:

- Self contained module, 5W, 7W, 10W or 12W as specified. Battery backup upon loss of power. Available 4Ft. and 8Ft. modules only.
- May not be available with some higher lumen packages. See Lumen package matrix.

#### INSTALLATIONS:

- May be installed in any direction, individually or in continuous run applications.
- May be surface mounted or suspended.
- End knockouts for surface conduit entry.

#### CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

#### WARRANTY:

- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at [www.mercltg.com](http://www.mercltg.com).
- Actual performance may differ as a result of end-user environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- The following exclusions apply: Luminaires with optional standby lighting option, integral lighting controls options, or wireless control options. Consult factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

### FEATURES:

- Vandal resistant linear ambient LED luminaire featuring an unbreakable polycarbonate diffuser.
- Diffuser is secured by heavy-gauge steel retaining strips and tamperproof screws.
- Housing fabricated from 20 gauge or optional 16 or 18 gauge cold rolled steel.
- All internal components are protected.
- Designed to withstand severe cases of vandalism and abuse.
- Applications include schools, public housing complexes, parking garages, hospitals, police precincts, recreation facilities, and all other medium to maximum-security locations.
- Extra-wide 13" foot print conveniently covers up existing ceiling blemishes or holes if used for retrofit applications.
- Gently-curving high transmission polycarbonate diffuser surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Design allows for greater lumen packages which are useful for the higher ceilings in gymnasiums, big box retailing, and industrial facilities.
- Custom formulated high diffusion polycarbonate frosted material allows for maximum light transmission while eliminating pixilation and hot spots.
- Available module lengths: 2Ft. (24"), 4Ft. (48") or 8Ft. (96").
- Digital LED technology provides high efficacy and energy efficiency.
- Multiple power and light levels are offered as standard to allow meeting design and energy needs per application. Custom factory set levels available on request.
- Lumen maintenance: Reported L70 (hours) & L80 (hours) > 60,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 83.
- American Made.



## LW25W-VP SERIES

Fixture Type:

Job Information:

**ORDERING DATA:** Fill in boxes below with corresponding bold options.

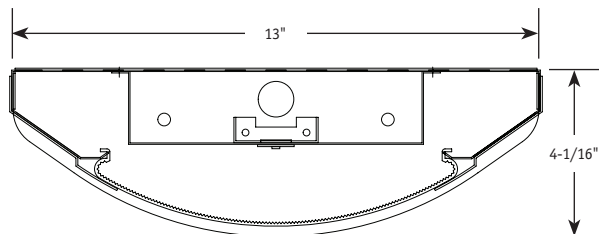
Example: LW25W-4-6400-35K-PF-1%-UNI-VP-EM12

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	VP OPTION	OPTIONS
LW25W	2 24" Length	24"L 1900	30K	PF Polycarbonate Frosted.	1% 0-10V 1% Dimming As Specified	UNI	VP	Standby Modules EM5 EM7 EM10 EM12  Available 4Ft. & 8Ft. Modules Only. Not Available With Some Higher Lumen Packages. See Matrix.
	4 48" Length	48"L 2500	35K					
	8 96" Length	8 3800	40K					
	8 96" Length	8 4700	50K Upon Request					
	8 96" Length	8 6400						
	8 96" Length	8 9200						
	8 96" Length	8 4800						
	8 96" Length	8 6700						
	8 96" Length	8 9500						
	8 96" Length	8 12800						
8 96" Length	8 13500							
8 96" Length	8 18300							
		XXXX Custom Lumen Package. Contact Factory.						

### PHOTOMETRICS:

All photometric reports are available at [www.mercltq.com](http://www.mercltq.com).

### CROSS SECTIONS:



### HANGING ACCESSORIES

PART #	DESCRIPTION	PART #	DESCRIPTION
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.	VH-XX	"V" Hanger w/XX= 48"L or 72"L Chain & "S" Hook
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.	CPYS-1	S-1 Single Stem 5" Dia. Canopy
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.	STMXX	XX= 12"L, 24"L, 48"L Stem/ 3/8" IPS-5/8" OD
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.	Other cable lengths available.	
S5-100	Square 5" canopy, Hanging hardware, 100" long 1/16" cable.		
S2-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.		

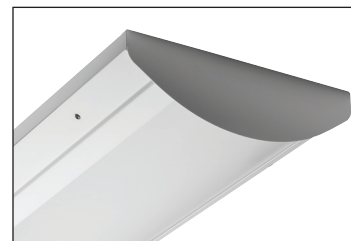
### LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25W-VP	2	1900	3000K	27	1827	68	-
		1900	3500K	27	1862	69	-
		1900	4000K	27	1928	72	-
		1900	5000K	27	1995	74	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25W-VP	4						
		2500	3000K	32	2425	75	✓
		2500	3500K	32	2471	77	✓
		2500	4000K	32	2558	79	✓
		2500	5000K	32	2647	82	✓
		3800	3000K	54	3655	68	✓
		3800	3500K	54	3724	69	✓
		3800	4000K	54	3855	72	✓
		3800	5000K	54	3990	74	✓
		4700	3000K	65	4503	69	✓
		4700	3500K	65	4589	70	✓
		4700	4000K	65	4750	73	✓
		4700	5000K	65	4917	75	✓
		6400	3000K	91	6059	67	-
		6400	3500K	91	6174	68	-
		6400	4000K	91	6392	70	-
		6400	5000K	91	6615	73	-
		9200	3000K	129	8710	68	-
		9200	3500K	129	8876	69	-
		9200	4000K	129	9188	71	-
		9200	5000K	129	9510	74	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25W-VP	8						
		4800	3000K	60	4589	76	✓
		4800	3500K	60	4676	77	✓
		4800	4000K	60	4840	80	✓
		4800	5000K	60	5010	83	✓
		6700	3000K	91	6408	71	✓
		6700	3500K	91	6530	72	✓
		6700	4000K	91	6759	75	✓
		6700	5000K	91	6766	76	✓
		9500	3000K	131	9007	69	✓
		9500	3500K	131	9178	70	✓
		9500	4000K	131	9501	73	✓
		9500	5000K	131	9833	75	✓
		12,800	3000K	182	12,118	67	-
		12,800	3500K	182	12,348	68	-
		12,800	4000K	182	12,783	70	-
		12,800	5000K	182	13,231	73	-
		13,500	3000K	181	12,816	71	-
		13,500	3500K	181	13,059	72	-
		13,500	4000K	181	13,519	75	-
		13,500	5000K	181	13,532	76	-
		18,300	3000K	258	17,421	68	-
		18,300	3500K	258	17,751	69	-
		18,300	4000K	258	18,376	71	-
		18,300	5000K	258	19,019	74	-

Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.



Detail

