



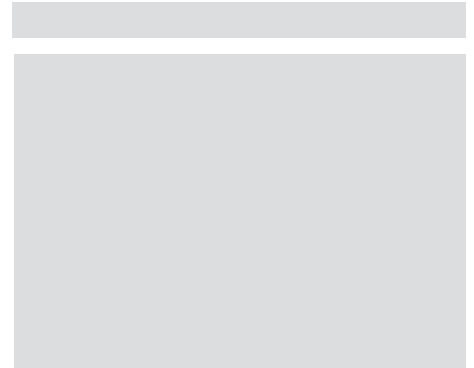
LW25 SERIES

Architectural Wide Footprint Linear LED Luminaire

VERY HIGH LUMEN PACKAGES

Fixture Type:

Job Information:

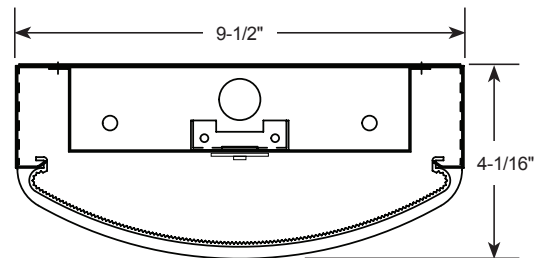


FEATURES:

- Extra-wide profile linear ambient LED luminaire.
- Gently-curving high transmission acrylic 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 acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Available module lengths: 2Ft. (24"), 4Ft. (45" or 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 139.
- American Made.



CROSS SECTION:



LW25 SERIES

Ex: LW25-4-4800-35K-HTA-1%-UNI-EM7

LW25		HTA		UNI		OPTIONS			
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLT-AGE	OPTIONAL 4FT. LENGTH	STANDBY MODULES*	INTEGRAL LIGHTING CONTROLS
LW25 Architectural Wide Footprint Linear LED Luminaire	2 24" Length	24"L 2300 2500	30K 35K 40K	HTA High Transmission Acrylic	1% 0-10V 1% Dimming	UNI	Defaults to 45" Length 48 Optional 48" Length	EM7 EM10 EM12	O1 Leviton OSFHU mounts externally, for higher ceilings. O4 Wattstopper FS-155-1 mounts internally with only the PIF dome visible. O5 Leviton OSF10 mounts internally with only the PIF dome visible.
	4 45" or 48" Length	45"L or 48"L 2400 3150 4500 4800 8400 14,000	50K Upon Request						
	8 96" Length	96"L 6300 8850 28,000							
		XXXX Custom Lumen Package. Contact Factory.							

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 continuous dimming capability 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 heavy gauge code grade cold rolled steel with housing ends welded into place.
- 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 acrylic material.
- Linear ribbing for high LED performance.

STANDBY LIGHTING OPTION:

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

OPTIONAL INTEGRAL LIGHTING CONTROLS:

- Self-contained motion sensors mount directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- On/Off control with optional delay features.
- See ordering matrix for available sensors.
- System lighting controls available. Contact factory.

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:

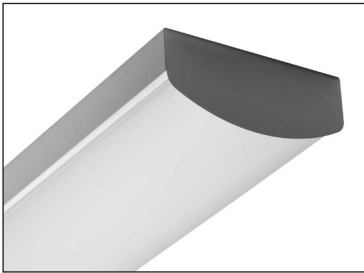
- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

WARRANTY:

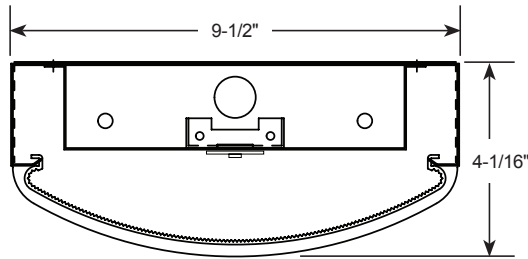
- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at mercltg.com.
- Actual performance may differ as a result of end-user environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- The following exclusions apply: Luminaires with 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.



LW25 SERIES



Detail



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 2" power feed canopy, Hanging hardware, 100" long 1/16" cable.		

PHOTOMETRICS

All photometric reports are available at mercltg.com.

LUMEN PACKAGE

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25	2						
		2300	3000K	18	2151	120	-
		2300	3500K	18	2222	123	-
		2300	4000K	18	2302	128	-
		2300	5000K	18	2302	128	-
		2500	3000K	19	2318	122	-
		2500	3500K	19	2394	126	-
		2500	4000K	19	2502	132	-
		2500	5000K	19	2502	132	-

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25	4						
		2400	3000K	21	2317	111	✓
		2400	3500K	21	2354	113	✓
		2400	4000K	21	2427	116	✓
		2400	5000K	21	2499	120	✓
		3150	3000K	29	3008	104	✓
		3150	3500K	29	3055	106	✓
		3150	4000K	29	3150	109	✓
		3150	5000K	29	3244	112	✓
		4500	3000K	39	4314	109	✓
		4500	3500K	39	4382	111	✓
		4500	4000K	39	4517	115	✓
		4500	5000K	39	4653	118	✓
		4800	3000K	43	4622	108	-
		4800	3500K	43	4694	109	✓
		4800	4000K	43	4840	113	✓
		4800	5000K	43	4985	116	✓
		8400	3000K	64	8220	128	-
		8400	3500K	64	8431	132	-
		8400	4000K	64	8431	132	-
		8400	5000K	64	8756	137	-
		14,000	3000K	121	13,881	115	-
		14,000	3500K	121	14,028	116	-
		14,000	4000K	121	14,619	121	-
		14,000	5000K	121	14,767	122	-

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option
LW25	8						
		6300	3000K	47	6005	129	✓
		6300	3500K	47	6100	131	✓
		6300	4000K	47	6288	135	✓
		6300	5000K	47	6477	139	✓
		8850	3000K	77	8434	110	✓
		8850	3500K	77	8566	112	✓
		8850	4000K	77	8831	115	✓
		8850	5000K	77	9096	119	✓
		28,000	3000K	242	27,762	115	-
		28,000	3500K	242	28,056	116	-
		28,000	4000K	242	29,238	121	-
		28,000	5000K	242	29,534	122	-

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

