LW25W SERIES

Architectural Wide Footprint Linear LED Luminaire

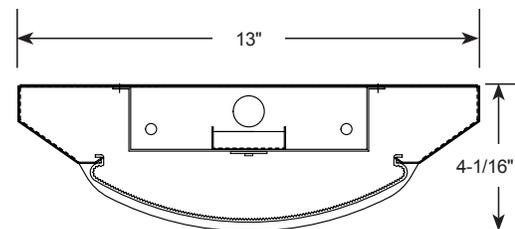### VERY HIGH LUMEN PACKAGES

Fixture Type:

Job Information:

FEATURES:

- Linear ambient LED luminaire featuring an extra-wide footprint that enables easy retrofitting of existing older lighting systems.
- Conveniently covers up old ceiling lines and unpainted surfaces. A true 48" or 96" length corresponds to older fluorescent lengths.
- 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. (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.

Made in USA

CROSS SECTION:

13"

4-1/16"

DELIVERING UP TO
139
LUMENS PER WATT

MERCURY LIGHTING
PRODUCTS CO. INC.

LW25W SERIES

Ex: LW25W-4-4800-35K-HTA-1%-UNI-EM7

OPTIONS

LW25W — — — — HTA — — UNI — —

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY MODULES*	INTEGRAL LIGHTING CONTROLS
LW25W Architectural Wide Footprint Linear LED Luminaire	**2** 24" Length **4** 48" Length **8** 96" Length	**24"L** 2300 2500 **48"L** 2400 3150 4500 4800 8400 14,000 **96"L** 6300 8850 28,000	**30K** **35K** **40K** **50K** Upon Request	**HTA** High Transmission Acrylic	**1%** 0-10V 1% Dimming — As Specified	**UNI**	**EM7** **EM10** **EM12** ***Not available on 24"**	**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.
		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.
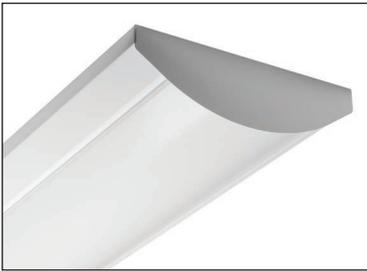
CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:
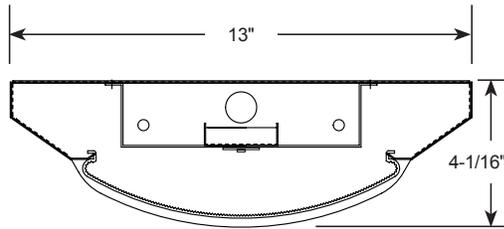- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

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.

Detail

13"

4-1/16"

HANGING ACCESSORIES

PART #	DESCRIPTION
R5PF-100	Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
R5-100	Round 5" canopy, Hanging hardware, 100" long 1/16" cable.
R2-100	Round 2" canopy, Hanging hardware, 100" long 1/16" cable.
S5PF-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.
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.

PART #	DESCRIPTION
VH-XX	"V" Hanger w/XX= 48"L or 72"L Chain & "S" Hook
CPYS-1	S-1 Single Stem 5" Dia. Canopy
STMXX	XX= 12"L, 24"L, 48"L Stem/ 3/8" IPS-5/8" OD

Other cable lengths available.

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
LW25W	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
LW25W	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
LW25W	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%.