



LW25W SERIES

Architectural Wide Footprint 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 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 (PIR) 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.
- DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Check at www.designlights.org/QPL to confirm.

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.
- 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:

- 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.



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Fixture Type:

Job Information:

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

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

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LW25W	2 24" Length	24"L 2300	30K	HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	Standby Modules EM7 EM10 EM12
	4 48" Length	2500	35K				
	8 96" Length	48"L 2400	40K				
	2400	50K Upon Request					
	3150						
	4500						
	4800						
	8400						
	14000						
		96"L 6300					
	8850						
	28000						
	XXXX Custom Lumen Package. Contact Factory.						

Optional Integral Lighting Controls

01
Leviton
OSFHU mounts externally, for higher ceilings.

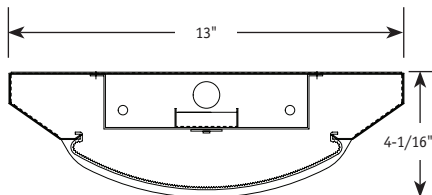
04
Wattstopper
FS-155-1 mounts internally with only the PIF dome visible.

05
Leviton
OSF10 mounts internally with only the PIF dome visible.

PHOTOMETRICS:

All photometric reports are available at 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.		

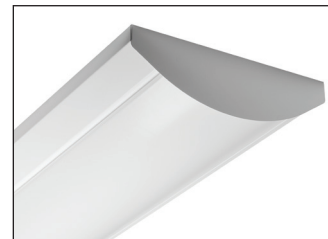
LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option	DLC
LW25W	2							
		2300	3000K	21	2265	108	-	-
		2300	3500K	21	2301	110	-	-
		2300	4000K	21	2372	113	-	-
		2300	5000K	21	2443	117	-	-
		2500	3000K	22	2392	107	-	-
		2500	3500K	22	2429	108	-	-
		2500	4000K	22	2504	112	-	-
		2500	5000K	22	2580	115	-	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option	DLC
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	75	8,021	107	-	-
		8400	3500K	75	8,147	109	-	-
		8400	4000K	75	8,399	112	-	-
		8400	5000K	75	8,651	116	-	-
		14,000	3000K	129	13,442	104	-	-
		14,000	3500K	129	13,653	106	-	-
		14,000	4000K	129	14,075	109	-	-
		14,000	5000K	129	14,497	112	-	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby Lighting Option	DLC
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	267	27,671	103	-	-
		28,000	3500K	267	28,106	105	-	-
		28,000	4000K	267	28,975	108	-	-
		28,000	5000K	267	29,844	112	-	-

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



Detail

