



# LW2 SERIES

## Architectural Linear Ambient LED Luminaire

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

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

\_\_\_\_\_

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### 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:

- Architecturally-curved profile design.
- Extruded from custom formulated high transmission acrylic 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. modules only.

#### OPTIONAL INTEGRAL OCCUPANCY SENSOR:

- Self-contained sensor mounts directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- On/Off control with optional delay features.
- See ordering matrix for available sensors.

#### 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:

- Shallow form linear ambient LED luminaire.
- Architecturally-curved acrylic diffuser evenly surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Compact design complies with all ADA requirements for public areas.
- Custom formulated high diffusion acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Nominal 2Ft. or 4Ft. long modules.
- 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 132.
- American Made.



## LW2 SERIES

Fixture Type:

Job Information:

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

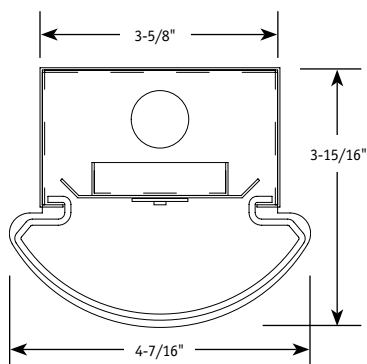
Example: LW2-4-3800-35K-HTA-1%-UNI-EM7

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LW2	2 24" Length 4 45" Length	24"L 2100 2300 2500 2700 45"L 2100 3800 4500 5000 7200 9400 XXXX Custom Lumen Package. Contact Factory.	30K 35K 40K 50K Upon Request	HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	Standby Modules EM5 EM7 EM10 EM12 Available 4ft. Modules Only Optional Integral Occupancy Sensor 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.merclt.com](http://www.merclt.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
LW2	2					
		2100	3000K	18	2035	111
		2100	3500K	18	2067	113
		2100	4000K	18	2131	116
		2100	5000K	18	2195	120
		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
		2700	3000K	25	2586	105
		2700	3500K	25	2627	106
		2700	4000K	25	2708	110
		2700	5000K	25	2789	113

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW
LW2	4					
		2100	3000K	18	2025	114
		2100	3500K	18	2056	116
		2100	4000K	18	2120	119
		2100	5000K	18	2184	123
		3800	3000K	32	3649	113
		3800	3500K	32	3706	115
		3800	4000K	32	3821	119
		3800	5000K	32	3935	122
		4500	3000K	39	4314	109
		4500	3500K	39	4382	111
		4500	4000K	39	4517	115
		4500	5000K	39	4653	118
		5000	3000K	45	4821	107
		5000	3500K	45	4897	108
		5000	4000K	45	5048	112
		5000	5000K	45	5200	115
		7200	3000K	67	6861	102
		7200	3500K	67	7005	105
		7200	4000K	67	7182	107
		7200	5000K	67	7220	108
		9400	3000K	73	9059	124
		9400	3500K	73	9291	127
		9400	4000K	73	9450	129
		9400	5000K	73	9649	132

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



Detail

