

LW15 SERIES

Architectural Linear Ambient LED Luminaire

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.
- Standard dimming down to 10% on 0-10V dimming controls. Optional 1% available.
- 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:

- Architectural hybrid-shape 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.

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.
- 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:

- Shallow form linear ambient LED luminaire.
- Architectural hybrid-shape acrylic diffuser surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Diffuser has a contoured bottom and straight side panels which regress back into the housing.
- 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., 4Ft. or 8Ft. 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 130.
- American Made.



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Fixture Type:

Job Information:

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

Example: LW15-4-3800-35K-HTA-1%-UNI-EM7

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LW15	2 24" Length	24"L 2100	30K	HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	Standby Modules EM7 EM10 EM12
	4 45" Length	2300	35K				
	8 96" Length	2500	40K				
		2700	50K Upon Request				
	45"L 2100						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.
	3800						
	4500						
	5000						
	96"L 6000						
	8000						
	10000						
	20000						
	XXXX Custom Lumen Package. Contact Factory.						

* 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.

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

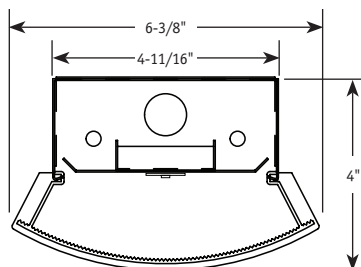
PART #	DESCRIPTION
VH-XX	"V" Hanger w/XX= 48"L or 72"L Chain & "S" Hook
CPYS-1	S-1 Single Stem 5" Dia. Canopy
STMXX	XX= 12"L, 24"L, 48"L Stem/ 3/8" IPS-5/8" OD

Other cable lengths available.

PHOTOMETRICS:

All photometric reports are available at www.mercltg.com.

CROSS SECTIONS:



LW15 SERIES

Fixture Type:

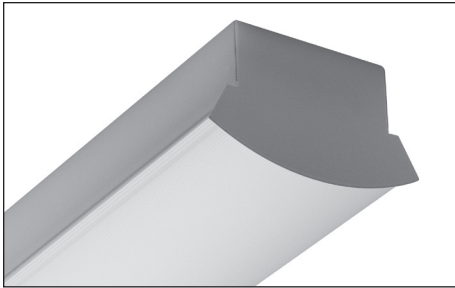
Job Information:

LUMEN PACKAGE:

NOMINAL LENGTH: 2FT.

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	DLC
LW15	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	✓

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



Detail

NOMINAL LENGTH: 4FT.

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	DLC
LW15	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	✓
		7800	3000K	76	7520	100	-
		7800	3500K	76	7677	101	-
		7800	4000K	76	7875	104	-
		7800	5000K	76	7915	104	-
		10,000	3000K	80	9,750	122	-
		10,000	3500K	80	10,067	126	-
		10,000	4000K	80	10,267	129	-
		10,000	5000K	80	10,388	130	-

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

NOMINAL LENGTH: 8FT.

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	DLC
LW15	8						
		6000	3000K	49	5798	118	-
		6000	3500K	49	5889	120	-
		6000	4000K	49	6071	123	-
		6000	5000K	49	6253	127	✓
		8000	3000K	69	7701	112	✓
		8000	3500K	69	7822	114	✓
		8000	4000K	69	8064	117	✓
		8000	5000K	69	8306	121	✓
		10,000	3000K	89	9557	107	-
		10,000	3500K	89	9707	108	-
		10,000	4000K	89	10,008	112	-
		10,000	5000K	89	10,308	115	✓
		20,000	3000K	159	19,500	122	-
		20,000	3500K	159	20,134	126	-
		20,000	4000K	159	20,534	129	-
		20,000	5000K	159	20,776	130	-

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

