LW45 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.
- 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:
- Larger-scale rounded 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.

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:

- Wide form linear ambient LED luminaire.
- Larger-scale rounded profile acrylic diffuser evenly surrounds the LED light source enabling a very wide and near-perfect light distribution.
- 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 130.
- American Made.

DELIVERING UP TO 130 LUMENS PER WATT

MERCURY LIGHTING
PRODUCTS CO. INC.

Fixture Type: _____

Job Information: _____

_____

_____

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

Example: LW45-4-3800-35K-HTA-1%-UNI-EM7

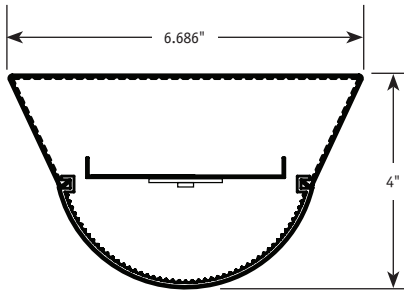| SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LW45	**2** 24" Length **4** 45" Length	**24"L** **2100** **2300** **2500** **2700** **45"L** **2100** **3800** **4500** **5000** **7800** **10000** **XXXX** Custom Lumen Package. Contact Factory.	**30K** **35K** **40K** **50K** Upon Request	**HTA** High Transmission Acrylic	**1%** 0-10V 1% Dimming ___ As Specified	**UNI**	**Standby Modules** **EM7** **EM10** **EM12** **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:

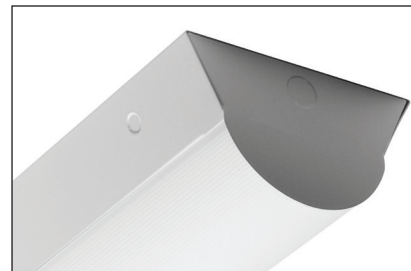All photometric reports are available at www.mercltg.com.

CROSS SECTIONS:

6.686" / 4"

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.

LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW
LW45	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
LW45	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%.

Detail

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SPECIFICATIONS SUBJECT TO CHANGE, **10/18**
CONSULT FACTORY WHEN CRITICAL.