LW10 SERIES

Architectural Linear Ambient LED Luminaire

Optional Side Reflectors

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 a white polyester powder coating finish for long lasting durability.
- Housing ends are welded into place.
- Sufficient electrical knockouts are provided on the housing back and ends.

REFLECTOR OPTIONS:
- Side reflectors are factory installed or can be field installed to the housing.
- May be used individually for one-side asymmetric function or in pairs for dual-side symmetric function.
- Aperture option; a series of architectural apertures allows a segment of up lighting.

DIFFUSER:
- Small-scale tear drop 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.
- 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.
- Small-scale tear drop profile 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.
- Optional integral side reflectors add both function and architectural contour.
- 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.
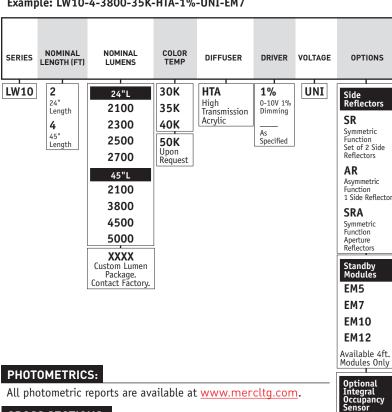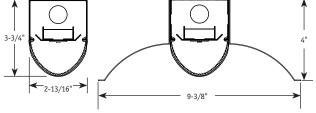- Fixture lumens per watt ratios up to 123.
- American Made.

LED lighting facts — LED Product Partner

DLC QPL LISTED

DELIVERING UP TO **123** LUMENS PER WATT

MERCURY LIGHTING PRODUCTS CO. INC.

Fixture Type: _____

Job Information: _____
_____
_____

Example: LW10-4-3800-35K-HTA-1%-UNI-EM7

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LW10	**2** 24" Length **4** 45" Length	**24"L** **2100** **2300** **2500** **2700** **45"L** **2100** **3800** **4500** **5000** **XXXX** Custom Lumen Package. Contact Factory.	**30K** **35K** **40K** **50K** Upon Request	**HTA** High Transmission Acrylic	**1%** 0-10V 1% Dimming ___ As Specified	**UNI**	**Side Reflectors** **SR** Symmetric Function Set of 2 Side Reflectors **AR** Asymmetric Function 1 Side Reflector **SRA** Symmetric Function Aperture Reflectors **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.mercltg.com.

CROSS SECTIONS:

OPTIONAL SIDE REFLECTORS

3-3/4" 2-13/16" 4" 9-3/8"

Detail

Aperture Reflectors

LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	DLC
LW10	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	DLC
LW10	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	✔

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

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.