

ESSENTIALS

LW104 SERIES

Linear Ambient/Utility LED Luminaire

Fixture Type:

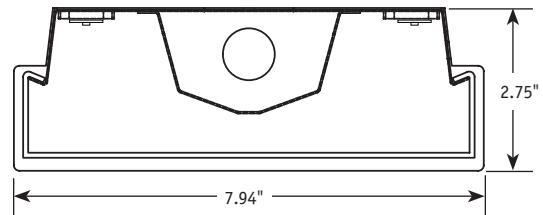
Job Information:

FEATURES:

- Shallow and compact designed linear ambient/utility LED luminaire.
- Low profile clear acrylic prismatic diffuser surrounds the LED light source enabling a wide and consistent light distribution.
- Available in 2Ft., 4Ft. or 8Ft. 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 119.
- American Made.



CROSS SECTION:



LW104 SERIES

Ex: LW104-4-3300-35K-A-1%-UNI-EM7

LW3			OPTIONS					
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	STANDBY LIGHTING	LIGHTING CONTROLS
LW104	2 24" Length	2100	30K 35K 40K	A Clear Acrylic Prismatic	1% 0-10V 1% Dimming	UNI	EM7 EM10 EM12	O1 Leviton OSFHU or equal Occupancy Sensor, 360 Degree Lens Inst. Aisle Pattern Incl.
	4 48" Length	3300 5000 5600						
	8 96" Length	3300 4200 5100 9900						
		8500						
		96"L 10000 19800						
		XXXX Custom Lumen Package. Contact Factory.						
			50K Upon Request					
			As Specified					

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 continuous dimming capability 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.
- White painted finish for long lasting durability.
- Housing ends are riveted into place.
- Sufficient electrical knockouts are provided on the housing back and ends.

DIFFUSER:

- Low profile clear acrylic diffuser. Conical prisms along the bottom panel. Linear prisms along the side panels.

STANDBY LIGHTING OPTION:

- Self-contained module, 7W, 10W or 12W as specified. Battery backup upon loss of power.

OPTIONAL OCCUPANCY SENSOR

- Self-contained sensor (Leviton #OSFHU or equal) mounts directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- Reliable coverage up to 40Ft. height.
- Interchangeable lenses for 360 degree or aisle way pattern.

INSTALLATIONS:

- Suitable for surface mounting or suspending from ceiling orientations only.
- Mount individually or in continuous run applications.
- 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. Complete LED warranty terms available at 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 options. Consult factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

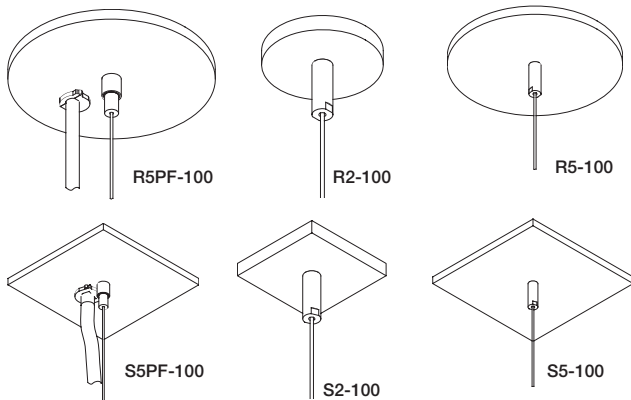


LW104 SERIES



Detail

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.		

PHOTOMETRICS

All photometric reports are available at mercltg.com.

LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMEN PACKAGE	COLOR	FIXTURE POWER (W)	DIFFUSER	DELIVERED LUMENS	FIXTURE LPW
LW104	2						
		2100	3000K	21	A	2017	95
		2100	3500K	21	A	2055	97
		2100	4000K	21	A	2127	100
		2100	5000K	21	A	2202	104
		3300	3000K	33	A	3194	97
		3300	3500K	33	A	3255	99
		3300	4000K	33	A	3369	102
		3300	5000K	33	A	3487	106
		5000	3000K	54	A	4723	88
		5000	3500K	54	A	4813	90
		5000	4000K	54	A	4982	93
		5000	5000K	54	A	5157	96
		5600	3000K	50	A	5385	108
		5600	3500K	50	A	5442	109
		5600	4000K	50	A	5671	113
		5600	5000K	50	A	5728	115

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMEN PACKAGE	COLOR	FIXTURE POWER (W)	DIFFUSER	DELIVERED LUMENS	FIXTURE LPW
LW104	4						
		3300	3000K	32	A	3143	99
		3300	3500K	32	A	3203	101
		3300	4000K	32	A	3316	105
		3300	5000K	32	A	3432	109
		4200	3000K	42	A	4019	95
		4200	3500K	42	A	4095	97
		4200	4000K	42	A	4239	100
		4200	5000K	42	A	4387	104
		5100	3000K	54	A	4871	91
		5100	3500K	54	A	4964	92
		5100	4000K	54	A	5138	96
		5100	5000K	54	A	5318	99
		9900	3000K	84	A	9400	112
		9900	3500K	84	A	9500	113
		9900	4000K	84	A	9900	118
		9900	5000K	84	A	10,000	119

SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMEN PACKAGE	COLOR	FIXTURE POWER (W)	DIFFUSER	DELIVERED LUMENS	FIXTURE LPW
LW104	8						
		8500	3000K	86	A	8134	95
		8500	3500K	86	A	8289	97
		8500	4000K	86	A	8580	100
		8500	5000K	86	A	8881	103
		10,000	3000K	105	A	9548	91
		10,000	3500K	105	A	9729	93
		10,000	4000K	105	A	10,072	96
		10,000	5000K	105	A	10,424	100
		19,800	3000K	169	A	18,800	111
		19,800	3500K	169	A	19,000	112
		19,800	4000K	169	A	19,800	117
		19,800	5000K	169	A	20,000	118

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

