



# LSA SERIES

## Diffuser Enclosed Linear 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, 4000K and 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 code grade cold rolled steel with a white polyester finish for long lasting durability.
- Sufficient electrical knockouts are provided on the housing back and ends.

#### DIFFUSER:

- Small-scale rounded profile design.
- Extruded from frosted acrylic material.
- Linear ribbing for high LED performance.
- One-piece diffuser runs the entire luminaire length. No joiners used.

#### STANDBY LIGHTING OPTION:

- Self-contained module, 7W, 10W or 12W as specified. Battery backup upon loss of power. Available 4Ft. and 8Ft. modules only.

#### 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](http://www.designlights.org/QPL) to confirm.

#### WARRANTY:

- 5-year limited warranty. 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.

### FEATURES:

- Shallow form linear ambient LED luminaire.
- Module lengths of 24", 46" and 92".
- Small-scale rounded profile acrylic diffuser evenly surrounds the LED light source.
- One-piece diffuser runs the entire luminaire length. No joiners used.
- Custom formulated high diffusion frosted acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Compact design complies with all ADA requirements for public areas.
- Digital LED technology provides high efficacy and energy efficiency.
- Lumen maintenance; Reported L80 (hours) > 50,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 130.
- Optional wire guard for diffuser protection.
- American Made.



## LSA SERIES

Fixture Type:

Job Information:

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

Example: LSA-4-5700-35K-HTA-1%-UNI

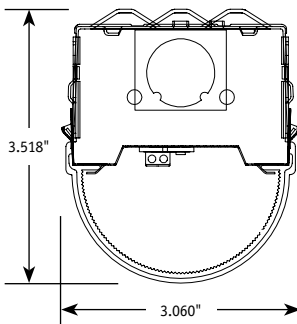
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	OPTIONS
LSA	2 24" Length 4 46" Length 8 92" Length	24" L 2300 46" L 2800 3300 4000 5200 5700 92" L 6000 8000 11400	30K 35K 40K 50K	HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	Standby Modules* EM7 EM10 EM10 BSL310 (Philips) EM12

\* Available on 4ft. and 8ft. Modules Only.

### PHOTOMETRICS:

All photometric reports are available at [www.mercltg.com](http://www.mercltg.com).

### CROSS SECTIONS:



Detail

### HANGING ACCESSORIES/LUMINAIRE 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.	WG-LSA-4	46" Wire Guard
S5-100	Square 5" canopy, Hanging hardware, 100" long 1/16" cable.	Other cable lengths available.	
S2-100	Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.		

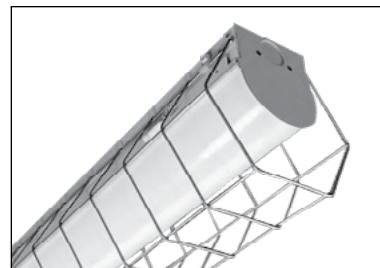
### LUMEN PACKAGE

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby EM	DLC
LSA	2							
		2300	3000K	20	2223	111	-	-
		2300	3500K	20	2247	112	-	-
		2300	4000K	20	2341	117	-	-
		2300	5000K	20	2365	118	-	-
		2800	3000K	25	2724	109	-	-
		2800	3500K	25	2753	110	-	-
		2800	4000K	25	2869	115	-	-
		2800	5000K	25	2898	116	-	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby EM	DLC
LSA	4							
		3300	3000K	26	3170	122	✓	-
		3300	3500K	26	3203	123	✓	✓
		3300	4000K	26	3338	128	✓	✓
		3300	5000K	26	3372	130	✓	-
		4000	3000K	33	3853	117	✓	-
		4000	3500K	33	3894	118	✓	✓
		4000	4000K	33	4058	123	✓	✓
		4000	5000K	33	4099	124	✓	-
		5200	3000K	45	4977	111	✓	-
		5200	3500K	45	5030	112	✓	✓
		5200	4000K	45	5241	116	✓	✓
		5200	5000K	45	5294	118	✓	-
		5700	3000K	50	5449	109	✓	-
		5700	3500K	50	5507	110	✓	-
		5700	4000K	50	5739	115	✓	-
		5700	5000K	50	5797	116	✓	-

SERIES	NOMINAL LENGTH (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW	Standby EM	DLC
LSA	8							
		6000	3000K	47	5720	122	✓	-
		6000	3500K	47	5781	123	✓	-
		6000	4000K	47	6024	128	✓	-
		6000	5000K	47	6085	129	✓	-
		8000	3000K	66	7657	116	✓	-
		8000	3500K	66	7738	117	✓	✓
		8000	4000K	66	8064	122	✓	✓
		8000	5000K	66	8145	123	✓	-
		11400	3000K	99	10,898	110	✓	-
		11400	3500K	99	11,014	111	✓	-
		11400	4000K	99	11,477	116	✓	-
		11400	5000K	99	11,593	117	✓	-

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



Wire Guard

