

## OVERVIEW

The SSL Series are surface mounted lensed strip lights designed as direct replacements for fluorescent strips. This high-efficient luminaire provides long-life and uniform illumination. Easy installation in new construction or retrofit. The optional factory-installed Sigtex Emergency Lighting Control option ensures full emergency code compliance at the lowest possible cost.

PROJECT:

TYPE:

CATALOG #:

## SPECIAL FEATURES

- **Emergency lighting from 650 Lm to 1,820 Lm with adjustable Emergency Lighting Control (ELC), powered from a Sigtex low-voltage central battery system. See Page 3 for details.**
- Available with factory-installed UL Listed Emergency Lighting Control (ELC), for connection to a Sigtex central battery, DC emergency power system.
- Available in 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 190,000 hours of operation with at least 70% of initial lumen output (L<sub>70</sub>).\*\*
- Efficacy range from 128 to 135 Lm/watt
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Steel housing and PMMA lens.
- Easy installation in new construction or retrofit.

\* Contact factory for other color temperatures and lumen packages.

\*\* L70 hours are IES TM-21-11 calculated hours.



## WARRANTY & LISTINGS

- ULus approved for damp locations in ambient temperatures from (-20°C to 50°C / -4°F to 122°F)\*
- Complies with FCC Part 15, Class A
- Low risk of flicker per IEEE1789-2015 at 100% light output
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.0kV)
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- View Sigtex [Warranty](#) for further details



## FIXTURE ORDERING INFORMATION EXAMPLE: SSL-2-25L-MV-35K-ELCP10P2

SSL

SERIES	LENGTH	LUMENS <sup>2</sup>	VOLTAGE	COLOR TEMPERATURE	OPTIONS <sup>1</sup>
SSL	2 22.2"	25L 2500Lm	MV 120-277VAC	35K 3500K	ELCPXX Emergency Lighting Control
	3 35"	33L 3300Lm	48V 48VDC	40K 4000K	EMXX/ECXX Emergency Driver <sup>3</sup>
	4 47.3"	46L 4600Lm	60V 60VDC	50K 5000K	OS Occupancy Sensor Passive Infrared <sup>3</sup>
	8 94.2"	80L 8000Lm			WG Wire Guard MV48V 120-277VAC switched with 48VDC emergency input
					**XX"= VARIES WITH FIXTURE SIZE AND POWER. SEE OPTIONS TABLE FOR COMPLETE PART NUMBER.

<sup>1</sup> See Option Detail Tables

<sup>2</sup> Nominal vales. See Electrical Data for specific values.

<sup>3</sup> Contact factory for other sensors.

OS = passive infrared technology – features include on/off only.

## ELECTRICAL DATA

MODEL	COLOR TEMP.	CRI <sup>1</sup>	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/ WATT	INPUT VOLTAGE <sup>2</sup>	INPUT CURRENT (A)			POWER FACTOR	THD <sup>3</sup>	L <sub>70</sub> HOURS <sup>4</sup>
							120V	240V	277V			
SSL-2-25L-MV-35K	3500K	>80	2,545	20	129	120-277	0.17	0.08	0.07	> 90%	< 20%	190,000
SSL-2-25L-MV-4K	4000K	>80	2,527	20	128	120-277	0.17	0.08	0.07	> 90%	< 20%	190,000
SSL-2-25L-MV-5K	5000K	>80	2,540	20	129	120-277	0.17	0.08	0.07	> 90%	< 20%	190,000
SSL-3-33L-MV-35K	3500K	>80	3,279	25	132	120-277	0.21	0.10	0.09	> 90%	< 20%	190,000
SSL-3-33L-MV-4K	4000K	>80	3,264	25	132	120-277	0.21	0.10	0.09	> 90%	< 20%	190,000
SSL-3-33L-MV-5K	5000K	>80	3,333	25	135	120-277	0.21	0.10	0.09	> 90%	< 20%	190,000
SSL-4-46L-MV-35K	3500K	>80	4,577	34	133	120-277	0.28	0.14	0.12	> 90%	< 20%	190,000
SSL-4-46L-MV-4K	4000K	>80	4,615	34	134	120-277	0.28	0.14	0.12	> 90%	< 20%	190,000
SSL-4-46L-MV-5K	5000K	>80	4,600	34	133	120-277	0.29	0.15	0.13	> 90%	< 20%	190,000
SSL-8-80L-MV-35K	3500K	>80	9,002	65	138	120-277	0.53	0.27	0.23	> 90%	< 20%	190,000
SSL-8-80L-MV-4K	4000K	>80	8,884	64	138	120-277	0.53	0.27	0.23	> 90%	< 20%	190,000
SSL-8-80L-MV-5K	5000K	>80	8,765	64	138	120-277	0.53	0.27	0.23	> 90%	< 20%	190,000

<sup>1</sup> Color rendering index.

<sup>2</sup> All 50-60Hz.

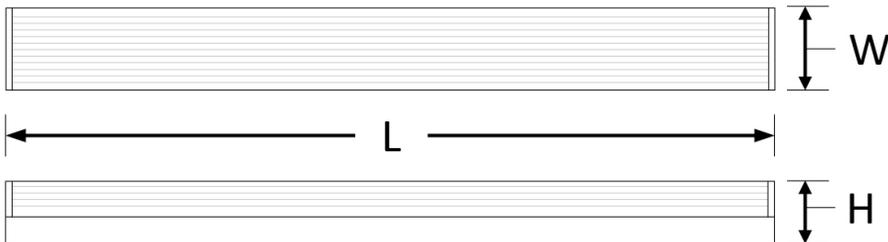
<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

- [IES Files and Zonal Lumen Summaries and Polar Diagrams](#)

## DIMENSIONS



	ST-2FT	ST-3FT	ST-4FT	ST-8FT
<b>Length- L</b>	22.2"	35"	47.3"	94.2"
<b>Width - W</b>	3.3"	3.3"	3.3"	3.3"
<b>Height - H</b>	3.6"	3.6"	3.6"	3.6"
<b>Weight (lbs.)</b>	<b>2.6</b>	<b>3.7</b>	<b>5.3</b>	<b>10.4</b>

## OPTIONS

### EMERGENCY LIGHTING CONTROLS (ELC) *For use with Central Battery Systems (purchased separately)*

MODEL	OPTION CODE		
	ELC5P2	ELC10P2	ELC14P2
	EM Lumens <sup>1</sup>	EM Lumens	EM Lumens <sup>2</sup>
SSL2	650	1300	1820
SSL3	650	1300	1820
SSL4	650	1300	1820
SSL8	650	1300	1820

<sup>1</sup>Minimum <sup>2</sup>Maximum

Note: Lumen output is factory adjustable. Contact factory for specific values.

Learn more about ELC's on our website, [www.signtexinc.com](http://www.signtexinc.com).

## Emergency Lighting with ELC

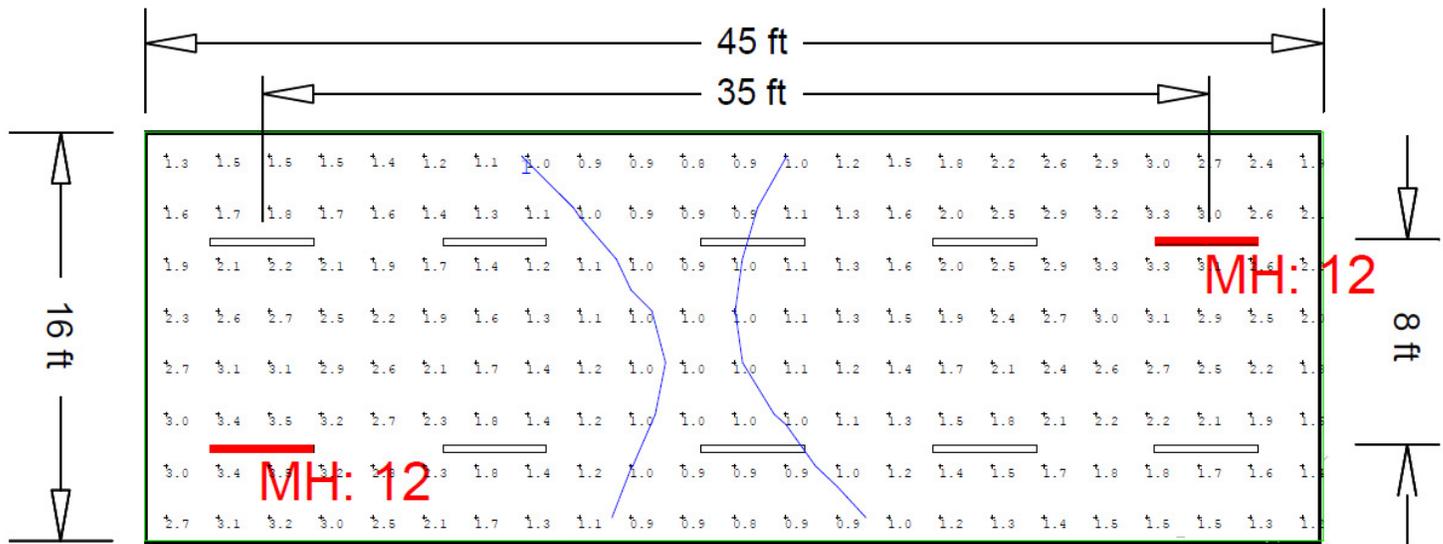
The following Point-to-Point sample shows typical performance in the medium power range for both fixture and ELC, based on IES files and using a light loss factor (LLF) calculated as follows:

**LIGHT LOSS FACTOR = ELC Emergency Power (Watts)\*/ Fixture Normal Power (Watts)**

**LLF =  $\frac{\text{ELC Emergency Power* (Watts)}}{\text{Fixture Normal Power (Watts)}}$  \*Power value and ELC Type are given in the OPTION CODE above.**

**Example: ELC10P1 = 10 Watts Emergency Power for 90 mins: Package Type P1**

The calculation is based on illumination values given in NFPA 101 and NEC 70, which stipulate an initial minimum average of 1 Fc at floor level, a minimum of 0.1 Fc at any point, and a uniformity ratio no higher than 40:1. NOTE, values are allowed to decrease 40% after 90 minutes, but ELC is a constant power device so emergency illumination does NOT decrease.



MODEL	ELC OPTION #	ELC POWER	EMERGENCY LUMENS	LLF	MOUNT HEIGHT	AVG. LUMENS ON PATHWAY	MAX/MIN UNIFORMITY
SSL4	ELC10P2	10 Watts	1320	0.30	12 FT	1.83 Fc	4.38

## EMERGENCY DRIVERS - INTEGRAL

MODEL	OPTION CODE <sup>12</sup>				
	EM12/EC12	EM16/EC16	EM20/EC20	EM24/EC24	WIRE GUARD
	LUMENS	LUMENS	LUMENS	LUMENS	
SSL2 <sup>3</sup>	650	1014	1781	2210	WG2
SSL3	650	1014	1781	2210	WG3
SSL4	650	1014	1781	2210	WG4
SSL8	650	1014	1781	2210	WG8

<sup>1</sup>Emergency drivers available for 120/277VAC only. <sup>2</sup>EC Drivers are California Emergency Commission (CEC) Listed. <sup>3</sup>Remote mount only.

## EMERGENCY DRIVERS - REMOTE

BLEDEM-CP-800	=	Emergency Driver - EM8
BLEDEM-CP-1200	=	Emergency Driver - EM12
BLEDEM-CP-1600	=	Emergency Driver - EM16
BLEDEM-CP-2000	=	Emergency Driver - EM20
BLEDEM-CP-2400	=	Emergency Driver - EM24
BLEDEM-CP-800-CEC	=	Emergency Driver - EC8 - CEC Listed
BLEDEM-CP-1200-CEC	=	Emergency Driver - EC12 - CEC Listed
BLEDEM-CP-1600-CEC	=	Emergency Driver - EC16 - CEC Listed
BLEDEM-CP-2000-CEC	=	Emergency Driver - EC20 - CEC Listed
BLEDEM-CP-2400-CEC	=	Emergency Driver - EC24 - CEC Listed

## Wire Guard

SL-2FT-WG	=	Wire Guard - 2FT
SL-3FT-WG	=	Wire Guard - 3FT
SL-4FT-WG	=	Wire Guard - 4FT
SL-8FT-WG	=	Wire Guard - 8FT

## COMPATIBLE DIMMERS

MANUFACTURE	MODEL NO.	DIMMING RANGE	LOAD SWITCHING CAPACITY
Lutron	DVSTV	10% - 100%	450W
Leviton	IP710-LFZ	10% - 100%	120W
General Protecht	DMD-LED3-102	10% - 100%	600W