

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 2 for details.
 - Available with factory-installed UL Listed Emergency Lighting Control (ELC), for connection to a Sigtex central battery, DC emergency power system.
 - Field selectable 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
 - Long-life LEDs provide 196,000 hours of operation with at least 70% of initial lumen output (L₇₀)**, and 60,000 hours with at least 90% of initial lumen output (L₉₀).**
 - 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.



DIMENSIONS



	SSL-4FT	SSL-8FT
L	47.3"	94.2"
W	3.3"	3.3"
H	3.5"	3.5"
Weight (lbs)	4.5	9

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

STANDARD



OPTIONS



FIXTURE ORDERING INFORMATION EXAMPLE: SSL4-5L-SLSK-MV-ELC10P2-WG

SSL

Series	Length	Lumens ³	Selectable ²	Voltage	Occupancy Sensor ¹	OPTIONS
SSL	4FT	5L 5,000LM	SLSK	MV 120/277VAC	OS Passive infrared	ELCP2XX Emergency Lighting Control. EMXX/ECXX Emergency Driver ⁴
	8FT	10L 10,000LM			ODS Microwave	
						**XX"= VARIES WITH FIXTURE SIZE AND POWER. SEE OPTIONS TABLE FOR COMPLETE PART NUMBER.
						WG Wire Guard

¹ OS = passive infrared technology – features include on/off only. ODS = microwave technology – features include on/off, step-dimming, and daylight threshold. Default sensor settings: detection area = 100%, hold time = 5 seconds, stand-by period = 0 seconds, stand-by dimming level = 10%, daylight threshold = disabled. Remote control optional but not required, part number = HD03R. Contact factory for other sensors.

² See detail tables, Page3.

³ Nominal values, See electrical data for specific values.

⁴ See Emergency driver compatibility list (Page2).

EMERGENCY LIGHTING CONTROLS (ELC)

For use with Signtex Lighting DC Central Battery System

MODEL	ELC10P2		ELC20P2	
	EPR ¹ WATTS (MIN.)	EM LUMENS ²	EPR WATTS (MAX.) ³	EM LUMENS
SSL4-5L	10	1430	20	2860
SSL8-10L	10	1410	20	2820

¹ Emergency power rating (Factory Adjustable).

² Nominal output at 4000K and Efficacy in Mid-Lumen Range.

³ Maximum Emergency Power Rating (EPR).

NOTE:

Emergency lumens are calculated based on efficacy in the MID-LUMEN range (4000K) from the Electrical Data Table. The value is adjustable through the EPR range shown above. For maximum efficiency, EPR should be set at the minimum level for compliance with NFPA Life Safety Code, based on photometric data for the fixture when installed.

To calculate lumen output within the EPR range given:

$$\text{Lumens} = \text{EPR (watts)} \times \text{Luminaire Efficacy (Lm/watt)}$$

COMPATIBLE EMERGENCY DRIVERS*

Emergency Driver Part Number	EM5		EM10		EM13	
	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens
SSL-4FT-5L	5.0	760	10.7	1627	13.7	2083
SSL-8FT-10L	5.0	760	10.7	1627	13.7	2083

* Suitable for ambient temperatures above 10°C (50°F).

COMPATIBLE EMERGENCY DRIVERS INTERNALLY INSTALLED

Model	Emergency Options
SSL-4FT-5L SSL-8FT-10L	EM5 EM10 EM13

¹ Suitable for ambient temperatures above 10°C (50°F).

² For list of remote mountable emergency drivers, see **ACCESSORIES**.

ACCESSORIES (Order Separately)

Remote Mount Emergency Drivers*

BLEM-CP-5C	=	Emergency driver - EM5
BLEM-CP-10C	=	Emergency driver - EM10
BLEM-CP-13C	=	Emergency driver - EM13

Wire Guard

SSL-4FT-WG	=	Wire-guard kit – 4FT
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* Suitable for ambient temperatures above 10°C (50°F).

COMPATIBLE DIMMERS & CONTROLS

Manufacturer	Model Number	Dimming Range	Load Switching Capacity
Best Lighting	DWS-010V-T	10%-100%	600W
Best Lighting	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

ELECTRICAL DATA

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
SSL-4FT	Lumens	3690	3631	3722	4336	4317	4389	4876	5203	4908
	Watts	26	25	26	31	30	31	35	34	35
	Efficacy	143	143	144	140	143	142	138	152	139
	Input Current (A)	120V = 0.22A	120V = 0.21A	120V = 0.22A	120V = 0.26A	120V = 0.25A	120V = 0.26A	120V = 0.29A	120V = 0.28A	120V = 0.29A
240V = 0.11A		240V = 0.10A	240V = 0.11A	240V = 0.13A	240V = 0.13A	240V = 0.13A	240V = 0.15A	240V = 0.14A	240V = 0.15A	
277V = 0.09A		277V = 0.09A	277V = 0.09A	277V = 0.11A	277V = 0.11A	277V = 0.11A	277V = 0.13A	277V = 0.12A	277V = 0.13A	

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
SSL-8FT	Lumens	7251	7135	7314	8520	8483	8624	9553	10,124	9619
	Watts	55	55	55	60	60	60	70	68	70
	Efficacy	132	130	133	142	141	144	136	149	137
	Input Current (A)	120V = 0.46A	120V = 0.46A	120V = 0.46A	120V = 0.50A	120V = 0.50A	120V = 0.50A	120V = 0.58A	120V = 0.57A	120V = 0.58A
240V = 0.23A		240V = 0.23A	240V = 0.23A	240V = 0.25A	240V = 0.25A	240V = 0.25A	240V = 0.29A	240V = 0.28A	240V = 0.29A	
277V = 0.20A		277V = 0.20A	277V = 0.20A	277V = 0.22A	277V = 0.22A	277V = 0.22A	277V = 0.25A	277V = 0.25A	277V = 0.25A	

PHOTOMETRIC DATA

SSL-4FT-5L

Luminaire Data

Description	4' Strip Light 5L 5K
Total Lumens	4,908
Input Wattage	35
Efficacy (lm/W)	139
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.36

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	470	9.6%
0-30°	1,002	20.4%
0-40°	1,653	33.7%
20-50°	1,877	38.2%
40-70°	1,927	39.3%
0-60°	3,009	61.3%
0-80°	4,024	82.0%
0-90°	4,338	88.4%
90-180°	570	11.6%
0-180°	4,908	100.0%

