

Premium Lensed Stairwell Strip Light Lumen and Kelvin Field Selectable

FEATURES

- **Emergency lighting with adjustable Emergency Lighting Control (ELC), powered from a Signtex low-voltage central battery system.**
- Available with factory-installed UL Listed Emergency Lighting Control (ELC), for connection to a Signtex 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 190,000 hours of operation with at least 70% of initial lumen output (L70), and 58,000 hours with at least 90% of initial lumen output (L90).**
- Selectable lumen outputs range from 4200 to 6000 nominal lumens in 4FT model and 2,100 to 3,300 nominal lumens in 2FT model.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Painted steel housing and PMMA (polymethyl methacrylate) frosted lenses are standard.
- Optional occupancy dimming sensor specifically designed to sense motion and illuminate both up and down stairwells (see figure 1).
- Easy installation in new construction or retrofit.

MOUNTING

- Surface Mounting

CODES

- cULus listed for damp locations ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- cULus 1598 and 924 listed.
(UL 924 listed when used with Emergency drivers)
- DLC 5.1 premium approved.
- Complies with FCC Part 15, class A.
- Complies with IEEE C.62.41-1991, input transient protection (2.0kV).

WARRANTY

- 5 year total customer satisfaction warranty.
For details see Signtex product catalog technical data section.

PROJECT:

TYPE:

CATALOG #:

emLITE
Series SWL
REV #: SWL.09.25.01

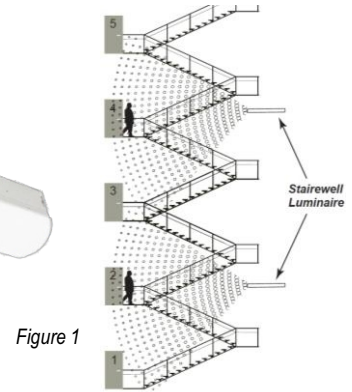
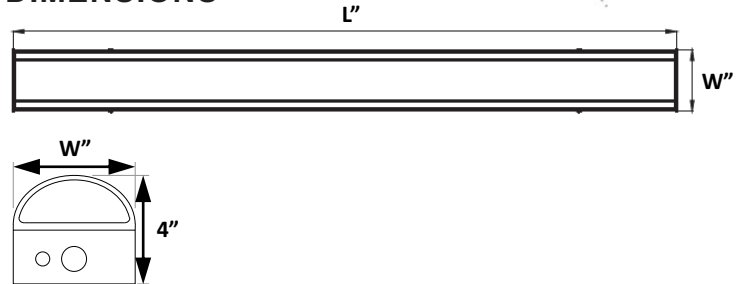


Figure 1

DIMENSIONS



Model#	L (in)	W (in)	H (in)	Weight
SWL-4	48"	4.5"	4"	8 lbs
SWL-2	22.25"	4.25"	4"	3.75 lbs

STANDARD



OPTIONS



FIXTURE ORDERING INFORMATION EXAMPLE: SWL4SLSKMV-ODS

SWL 4 SL SK MV -ODS

SERIES	SIZE	SELECTABLE ¹		VOLTAGE	OPTIONS
		NOMINAL LUMENS	COLOR TEMP		
SWL	4 4FT	SL 4,200lm 4,800lm 6,000lm	SK 3500K 4000K 5000K	MV 120-277VAC	ELCXXP ² Emergency Lighting Control **XX*= Varies with fixture size and power. See Options table for complete part number
	2 2FT	SL 2,100lm 2,700lm 3,300lm			EM Emergency driver, see option table on page2 ODS Occupancy Dimming Sensor

EMERGENCY LIGHTING CONTROLS (ELC)

For use with Sigtex Lighting DC Central Battery System

ELC5P2		ELC15P2	
EPR ¹ WATTS (MIN.)	EM LUMENS ²	EPR WATTS (MAX.) ³	EM LUMENS
5	705	15	2115

¹ EMERGENCY POWER RATING (FACTORY ADJUSTABLE)

² NOMINAL OUTPUT AT 4000K

³ MAX. EPR DEPENDS ON FIXTURE DRIVER MAX. OPERATING VOLTAGE

NOTE:

Emergency lumens are calculated based on efficacy in the MID-LUMEN range (5000K) 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:

Lumens = EPR (watts) x Luminaire Efficacy (Lm/watt)

ACCESSORIES (ORDER SEPARATELY)

Sensor:

US002 = Default sensor settings: detection area = 100%, hold time = 5 sec, daylight threshold = disabled, stand-by period = 0 sec, stand-by dimming level = 10%

HD05R = Remote control required for programming (sold separately)

Remote Mount Emergency Drivers Option= EM:

EM5 = 5 Watts, 640 Lumens Emergency Driver W/Conduit. For SWL-4 and SWL-2

EM10 = 10 Watts, 1280 Lumens Emergency Driver W/Conduit. For SWL-4 and SWL-2

EM13 = 13 Watts, 1560 Lumens Emergency Driver W/Conduit. For SWL-4

COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer 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	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
SWL-2FT-SLSK	3500k	0.13	0.06	0.06	0.17	0.09	0.08	0.21	0.11	0.09
	4000k	0.12	0.06	0.05	0.17	0.08	0.07	0.20	0.10	0.09
	5000k	0.13	0.06	0.06	0.17	0.09	0.07	0.21	0.11	0.09
SWL-4FT-SLSK	3500k	0.24	0.12	0.10	0.28	0.14	0.12	0.38	0.19	0.17
	4000k	0.23	0.12	0.10	0.28	0.14	0.12	0.38	0.19	0.16
	5000k	0.24	0.12	0.10	0.28	0.14	0.12	0.38	0.19	0.17

LUMEN TABLES

Series	Measure-ments	Low Lumens			Mid Lumens			High Lumens		
		3500k	4000k	5000k	3500k	4000k	5000k	3500k	4000k	5000k
SWL-2FT-SLSK	Lumens	2,048	2,132	2,124	2,728	2,880	2,789	3,249	3,462	3,324
	Watt	15.29	14.86	15.49	20.80	20.12	20.76	25.41	24.48	25.39
	Efficacy	134	143	137	131	143	134	128	141	131
SWL-4FT-SLSK	Lumens	4,245	4,311	4,208	4,820	4,941	4,792	6,226	6,499	6,056
	Watt	29	28	29	34	33	34	46	45	46
	Efficacy	145	152	143	143	150	141	135	146	130

PHOTOMETRIC DATA

SWL-2FT-SLSK

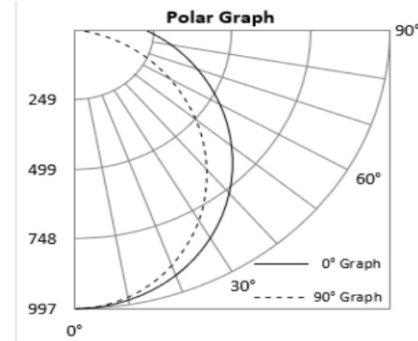
Luminaire Data

Description	2FT Stairwell Luminaire Lumen and Kelvin Select
Total Lumens	3,324
Input Wattage	25
Efficacy (lm/W)	131
Spacing Criterion (0-180°)	1.3
Spacing Criterion (90-270°)	1.2

Photometrics calculated at 5000k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	363	10.9%
0-30°	767	23.1%
0-40°	1,251	37.6%
20-50°	1,390	41.8%
40-70°	1,346	40.5%
0-60°	2,216	66.7%
0-80°	2,877	86.5%
0-90°	3,058	92.0%
90-180°	266	8.0%
0-180°	3,324	100.0%



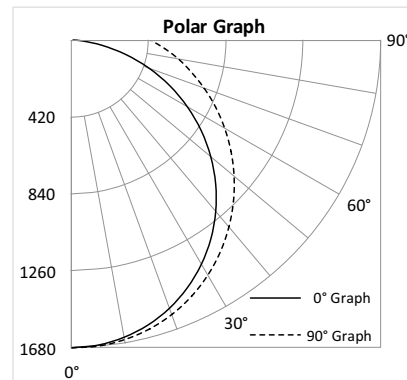
SWL-4FT-SLSK

Luminaire Data

Description	Stairwell Luminaire LKFS - 5K
Total Lumens	6,056
Input Wattage	46
Efficacy (lm/W)	131
Spacing Criterion (0-180°)	1.26
Spacing Criterion (90-270°)	1.32

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	617	10.2%
0-30°	1,315	21.7%
0-40°	2,169	35.8%
20-50°	2,462	40.7%
40-70°	2,492	41.1%
0-60°	3,937	65.0%
0-80°	5,198	85.8%
0-90°	5,547	91.6%
90-180°	509	8.4%
0-180°	6,056	100.0%



DISTRIBUTOR

Contact Sigtex for layout assistance.

Code compliant emergency lighting layouts provided!

Specifications and dimensions subject to change without notice.