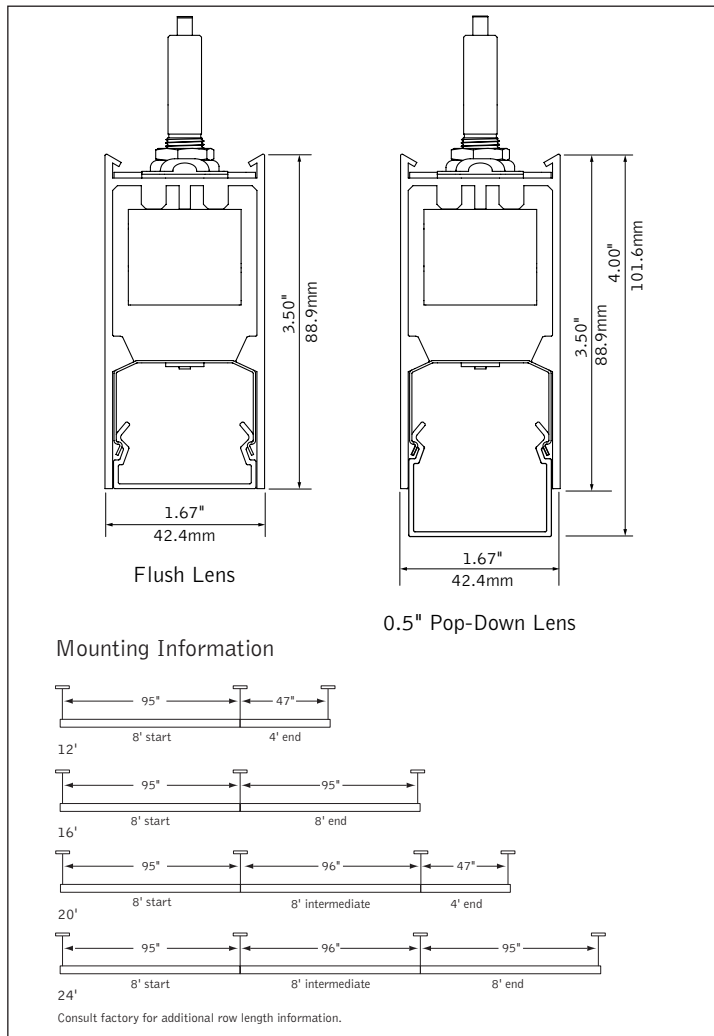


Pop-Down Lens



Corner detail

## DIMENSIONAL DATA



## FEATURES

Narrow extruded aluminum 1.5" linear direct/indirect LED.

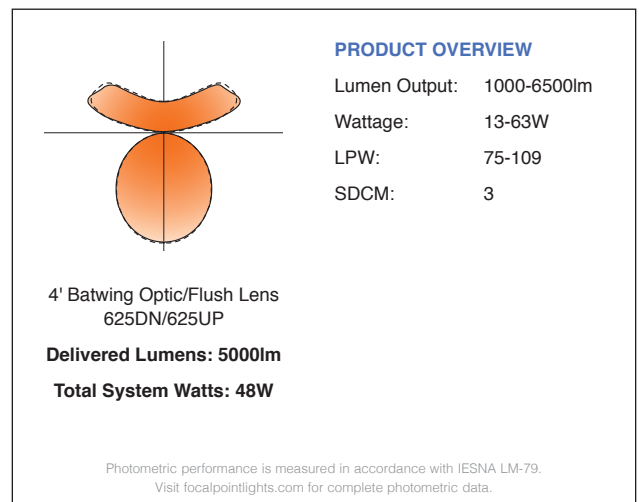
Individual units and continuous runs in 1" increments.

Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.

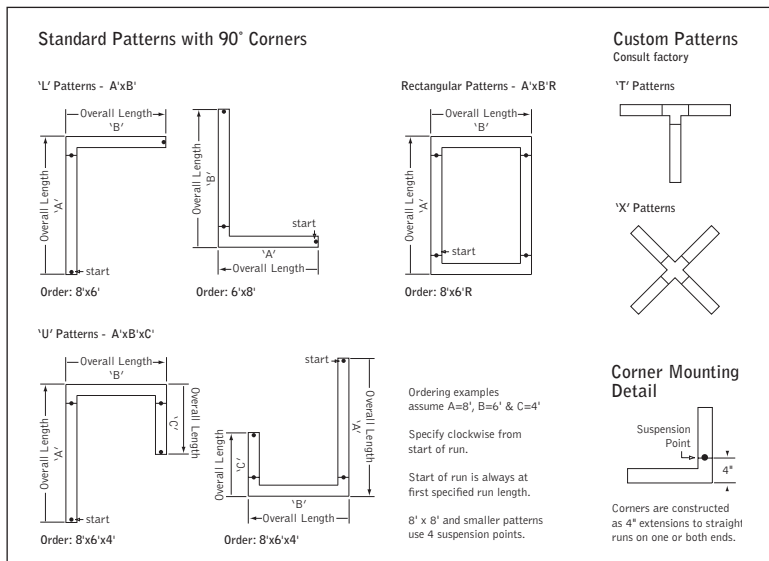
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

Choice of output levels and light distributions to meet a wide variety of application needs.

## PERFORMANCE



**DETAILS**



**SPECIFICATIONS**

**LED System**

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K or 4000K with both 80 and 90 CRI options. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

**Construction**

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 15lbs.

**Optic**

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" thick with frosted finish, up to 8' continuous.

**Electrical**

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9.

**Emergency Battery**

Emergency output - 10 watts for 90 minutes. See EM/EC Guide for default locations and ordering details.

**Labels**

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

**Finish**

Polyester powder coat applied over a multi-stage pre-treatment. Canopy and cord white as standard.

**Lumen Maintenance**

Reported: L70 at >61,000 hours      Calculated: L70 at 470,000 hours  
 L90 at >61,000 hours                      L90 at 115,000 hours  
 Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

**Reliability**

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

**Warranty**

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

**4' PERFORMANCE CHART**

See page 3

**ORDERING**

Luminaire Series	FSM1BS
Seem 1 LED Direct/Indirect	FSM1BS
<b>Shielding</b>	
Dust Cover top/Flush lens bottom	DCFL
Dust Cover top/Pop-Down lens bottom	DCPD05
Batwing Optic top/Flush lens bottom	BWFL
Batwing Optic top/Pop-Down lens bottom	BWPD05
<b>Direct Distribution</b>	
125 Lumens per foot <small>(Consult factory for Lutron and DALI)</small>	125DN
250 Lumens per foot	250DN
375 Lumens per foot	375DN
500 Lumens per foot	500DN
625 Lumens per foot	625DN
<b>Indirect Distribution</b>	
125 Lumens per foot <small>(Consult factory for Lutron and DALI)</small>	125UP
250 Lumens per foot	250UP
375 Lumens per foot	375UP
500 Lumens per foot	500UP
625 Lumens per foot	625UP
800 Lumens per foot <small>(Not available with DALI)</small>	800UP
1000 Lumens per foot <small>(Not available with DALI)</small>	1000UP
<b>Color Temperature</b>	
3000K, 80CRI or 90 CRI	30K or 930K
3500K, 80CRI or 90 CRI	35K or 935K
4000K, 80CRI or 90 CRI	40K or 940K
<b>Circuit</b>	
Single Circuit	1C
Dual Circuit	2C
<b>Voltage</b>	
120/277 UNV Volt	UNV
347 Volt <small>(LD1 driver only)</small>	347
<b>Control System &amp; Dimming Level</b>	
0-10V - 10% Dimming	LD1
0-10V - 1% Dimming	L11
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5
DALI 1% Dimming <small>(625 lumens per foot max)</small>	D11
<b>Mounting</b>	
24" Cable Suspension	C24__
48" Cable Suspension	C48__
96" Cable Suspension <small>(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH.) (Specify one of the following in place of "C" J - for 2' canopies at non-feed locations. CS - for sloped ceiling applications.)</small>	C96__
<b>Factory Options</b>	
Black Cord	BKCD
Emergency Circuit	_EC
Emergency Battery Pack <small>(5' minimum length. See EM/EC Guide for default locations and ordering details.)</small>	_EM
<b>Finish</b>	
Black	BK
Titanium Silver	TS
Matte White Housing	WH
<b>Luminaire Length</b>	
Specify luminaire/row length in 1" increments <small>(4' minimum. Leave blank for patterns. Smaller increments available, consult factory.)</small>	_ft_in
<b>Pattern Options</b>	
'L' pattern	A' x B'
'U' pattern	A' x B' x C'
Rectangular pattern <small>(Consult factory for other pattern options)</small>	A' x B' R

#### 4' PERFORMANCE CHART - BATWING OPTIC TOP/FLUSH LENS BOTTOM

Direct Distribution (Flush Lens)	Indirect Distribution (Batwing Optic)	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	LPW
125DN	125UP	50/50	1000	12.2	82
	250UP	33/67	1500	16.4	91
	375UP	25/75	2000	20.5	97
	500UP	20/80	2500	24.7	101
	625UP	17/83	3000	29.3	102
	800UP	14/86	3700	35.2	77
	1000UP	11/89	4500	43.3	104
250DN	125UP	67/33	1500	16.0	93
	250UP	50/50	2000	20.3	99
	375UP	40/60	2500	24.4	102
	500UP	33/67	3000	28.6	105
	625UP	29/71	3500	33.2	75
	800UP	24/76	4200	39.1	108
	1000UP	20/80	5000	47.2	106
375DN	125UP	75/25	2000	20.3	98
	250UP	60/40	2500	24.6	102
	375UP	50/50	3000	28.7	105
	500UP	43/57	3500	32.9	107
	625UP	38/62	4000	37.5	107
	800UP	32/68	4700	43.3	108
	1000UP	25/75	5500	51.4	107
500DN	125UP	80/20	2500	24.7	101
	250UP	67/33	3000	28.9	104
	375UP	57/43	3500	33.0	106
	500UP	50/50	4000	37.2	108
	625UP	44/56	4500	41.8	108
	800UP	38/62	5200	47.7	109
	1000UP	33/67	6000	55.8	108
625DN	125UP	83/17	3000	29.9	100
	250UP	71/29	3500	34.1	103
	375UP	60/40	4000	38.3	105
	500UP	56/44	4500	42.4	106
	625UP	50/50	5000	47.1	106
	800UP	44/56	5700	52.9	108
	1000UP	35/65	6500	61.0	107

\*Based on 3500K, 4' lengths. Lumen Multipliers: Pop-Down Lens = 1.01, Dust Cover Top = 1.23, 90 CRI = 0.87. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

# Seem® EM/EC Guide

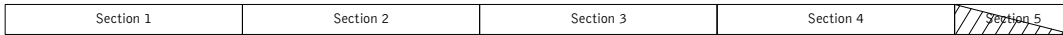
FSM1, FSM1S, FSM1W, FSM2L-FL, FSM2L-FL2, FSM2LS, FSM2LW, FSM4L-FL/SR/SRXP, FSM4L-FL2, FSM4LS, FSM4LW, FSM4LP, FSM6L-FL/SR/SRXP\*



## DEFAULT LOCATIONS

- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.
- EM/EC illuminate entire sections from 4' to 8' in length.
- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

### 1 EM/EC – END OF RUN



Ordering example: FSM4L-FL... **1EM-WH-36ft**

### 2 EM/EC – START & END OF RUN

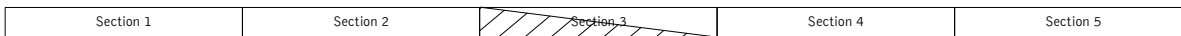


Ordering example: FSM4L-FL... **2EM-WH-36ft**

## ALTERNATE LOCATIONS AND QUANTITIES

- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

### ONE EM IN 3<sup>RD</sup> SECTION



Ordering example: FSM4L-FL... **1EM-3-WH-40ft**

### THREE EM IN 1<sup>ST</sup>, 3<sup>RD</sup> AND 6<sup>TH</sup> SECTIONS



Ordering example: FSM4L-FL... **3EM-1-3-6-WH-48ft**

## CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.
- Longer lead times may apply.

Run length (ft)	Housing Configuration Section Lengths
9	5 + 4
10	6 + 4
11	7 + 4
12	8 + 4
13	8 + 5
14	8 + 6
15	8 + 7
16	8 + 8
17	8 + 5 + 4
18	8 + 6 + 4
19	8 + 7 + 4
20	8 + 8 + 4
21	8 + 8 + 5
22	8 + 8 + 6
23	8 + 8 + 7
24	8 + 8 + 8
25	8 + 8 + 5 + 4
26	8 + 8 + 6 + 4
27	8 + 8 + 7 + 4

Run length (ft)	Housing Configuration Section Lengths
28	8 + 8 + 8 + 4
29	8 + 8 + 8 + 5
30	8 + 8 + 8 + 6
31	8 + 8 + 8 + 7
32	8 + 8 + 8 + 8
33	8 + 8 + 8 + 5 + 4
34	8 + 8 + 8 + 6 + 4
35	8 + 8 + 8 + 7 + 4
36	8 + 8 + 8 + 8 + 4
37	8 + 8 + 8 + 8 + 5
38	8 + 8 + 8 + 8 + 6
39	8 + 8 + 8 + 8 + 7
40	8 + 8 + 8 + 8 + 8
41	8 + 8 + 8 + 8 + 5 + 4
42	8 + 8 + 8 + 8 + 6 + 4
43	8 + 8 + 8 + 8 + 7 + 4
44	8 + 8 + 8 + 8 + 8 + 4
45	8 + 8 + 8 + 8 + 8 + 5
46	8 + 8 + 8 + 8 + 8 + 6
47	8 + 8 + 8 + 8 + 8 + 7
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.

\*Recessed and suspended only. Does not include direct/indirect, pop-down lens or asymmetric options.