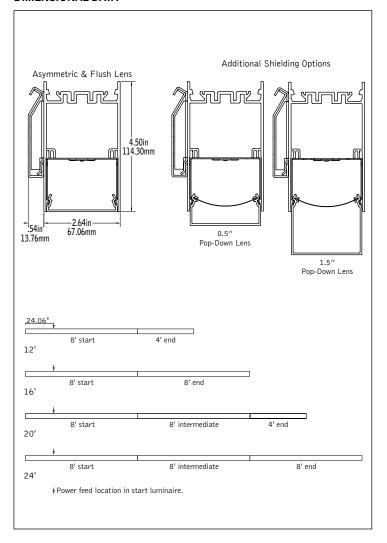
## Seem® 2





#### **DIMENSIONAL DATA**



#### **FEATURES**

Narrow 2.5" linear direct LED with Asymmetric, Flush, 0.5" or 1.5" Pop-Down lens.

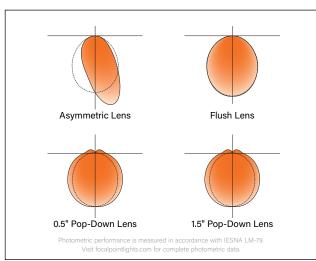
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

Individual units and continuous runs in 1' increments.

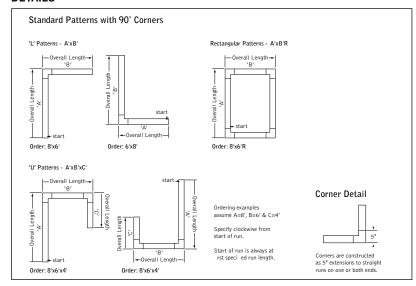
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

#### **DISTRIBUTIONS**



#### **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 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 3 SDCM. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. LED modules and drivers are replaceable from below.

#### Construction

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 30 lbs.

#### Optic

Reflectors fabricated of 22 Ga. steel finished in matte white powder coat. Extruded acrylic lens with satin 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. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. PoE runs require an independent PoE node and power feed for each luminaire section.

#### Emergency

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 20 ft.

#### 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. The Naturals: 100% low VOC vinyl.

#### Lumen Maintenance

 $\begin{tabular}{lll} Reported: & L70 at >61,000 hours & Calculated: & L70 at 385,000 hours & L90 at >61,000 hours & L90 at 103,000 hour$ 

#### 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		FSM2LW
Seem 2 LED	FSM2LW	
Shielding Asymmetric Lens	AS	
Flush Lens	FL	
0.5" Pop-Down Lens	PD05	
1.5" Pop-Down Lens	PD15	
(Individual units only)		
Lumen Output 125 Lumens per foot	125LF	
(LD1 & L11 only. 4' minimum.)		
250 Lumens per foot (3' minimum with LH1)	250LF	
375 Lumens per foot	375LF	
500 Lumens per foot	500LF	
625 Lumens per foot	625LF	
750 Lumens per foot 875 Lumens per foot	750LF 875LF	
1000 Lumens per foot	1000LF	
Color Temperature		
2700K, 80+ CRI <b>or</b> 90+ CRI	27K or 927K	
3000K, 80+ CRI <b>or</b> 90+ CRI	30K or 930K	
3500K, 80+ CRI <b>or</b> 90+ CRI	35K or 935K 40K or 940K	
4000K, 80+ CRI <b>or</b> 90+ CRI	40K <b>or</b> 940K	
Circuits & Zones 1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 4 for	_C_Z_DL	
multiple circuiting and zoning options		
Voltage	11007	
120/277 UNV Volt 347V (LD1 & L11 only)	UNV 347	
Low voltage	LV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11 LVN	
Low-voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)	LVIN	
Lutron Hi-Lume EcoSystem (LDE1) -	LH1	
1% Dimming	D11	
DALI - 1% Dimming (For 750LH, 875LH & 1000LH consult factory.)	ווט	
Mounting		WM
Wall Mount	WM	
Factory Options		
(See Ordering Guide for ordering details for DC, EC, EM & ECD.)		
Daylight Circuit	_DC EC	
Emergency Circuit Emergency Battery Pack <sup>†</sup>	_EC	
Emergency Control Device <sup>†</sup>	_ECD	
†(3' minimum. 120/277 Volt only.)	_	
Finish (See finishes page for The Naturals options)		
Black	BK	
Titanium Silver	TS	
Matte White Housing	WH	
Luminaire Length	VI	
Specify luminaire/row length in 1' increments	X'	
(2' minimum. Leave blank for patterns.		
Smaller increments available, consult factory.)  Pattern Options		
(3' minimum length)		
'L' pattern	A' x B'	
'U' pattern	A' x B' x C'	
Rectangular pattern (Consult factory for other pattern options)	A' x B' R	



#### 4' PERFORMANCE CHART

Shieldir	ng	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
		125LF	500	5.64	89
		250LF	1000	8.24	121
		375LF	1500	11.22	134
Asymmetric Lens		500LF	2000	14.53	138
Asymmetric Lens		625LF	2500	17.93	139
		750LF	3000	22.22	135
		875LF	3500	26.00	135
		1000LF	4000	29.84	134
		125LF	500	5.48	91
		250LF	1000	8.87	113
		375LF	1500	12.17	123
Flush Lens		500LF	2000	15.84	126
Flusii Lelis		625LF	2500	19.65	127
		750LF	3000	24.45	123
		875LF	3500	28.65	122
		1000LF	4000	33.12	121
		125LF	500	5.72	87
		250LF	1000	9.35	107
		375LF	1500	12.91	116
Pop Down 0.5" Lens		500LF	2000	16.89	118
FOR DOWN 0.5 Lens		625LF	2500	21.70	115
		750LF	3000	26.14	115
		875LF	3500	30.69	114
		1000LF	4000	35.43	113
		125LF	500	5.56	90
		250LF	1000	9.02	111
		375LF	1500	12.40	121
Pop Down 1.5" Lens		500LF	2000	16.17	124
TOP DOWN NO LENS		625LF	2500	20.06	125
		750LF	3000	24.96	120
		875LF	3500	29.33	119
		1000LF	4000	33.72	119

Based on 3500K, 4' length. Lumen multipliers: Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

## **Finishes**



#### STANDARD FINISHES



#### THE NATURALS (25% SCALE)



### Ordering Guide

### **Direct Only Linear Circuitry, Zones & Factory Options**



#### **HOW TO USE THIS GUIDE**

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.

Refer to the run chart for standard run configurations, consult factory for custom configurations.

Complete the Totals / Ordering Codes at the bottom of the worksheet and add to your ordering logic on the cut sheet.

Submit the worksheet along with your order.

	TOTAL RUN LENGTH: JOB NAME:				FIXTURE TYPE:				
			SHARED ELECTRICAL FEED,			FACTORY OPTIONS			
HOUSING	HOUSING					SEPARATE ELECTRICAL FEEDS			
m	SECTION	LENGTH	SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
EXAMPLE	1	8	1C	1Z					1EM
Ę	2	8	2C	2Z					
	3	8	2C	2Z					
	4	8				1DC			
	Totals / Ord	ering Codes	2C	<b>2Z</b>		1DC			1EM

ORDERING: FSM4L-FL-625LF-35K- 2C2Z -UNV-LD1-G2- 1DC-1EM -WH-32ft

Section 1 EM BATTERY	Section 2	Section 3	Section 4
1C	2	c —	1DC
1Z	2	Z	

KEY	
C = Switching Circuit Switched Hot / Shared Neutral	DC = Daylight Circuit Switched Hot / Separate Neutral
Z = Dimming Zone Dimming Control Wires	EC = Emergency Circuit Switched Hot / Separate Neutral
<b>DL = Daylight Zone</b> Daylight Dimming Control Wires	EM = Emergency Battery Unswitched Hot / Shared Neutral
	ECD = Emergency Control Device Unswitched Hot / Separate Neutral

#### **DEFAULTS**

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- One shared or isolated circuit and zone required per housing section.
- Limit of one EM or ECD per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Each DC, EC and ECD require an additional electrical feed.
- ECD not available in the same housing section as EC.
- Longer lead times and additional pricing may apply for custom run configurations.

#### **CUSTOM LENGTHS**

- If partial illumination of emergency or daylight section is required, indicate in ordering guide and add "partial illumination" in Order Notes. Drawing required.
- Engineering validation required, longer lead times may apply.

# Ordering Guide Worksheet



**Linear Circuitry, Zones & Factory Options** 

FOCAL POINT

	TOTAL RUN LENGTH:			JOB NAME:			FIXTURE TYPE:			
			SHARED ELECTRICAL FEED, NORMAL POWER		FACTORY OPTIONS					
	HOUSING	SECTION				SEPARATE ELECTRICAL FEEDS				
		SECTION	LENGTH	SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
	1									
	2									
	3									
	4									
	5									
	6									
	7									
WOI	8									
WORKSHEET	9									
EET	10									
	11									
	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	Totals / Ord	ering Codes								

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

RUN CHART	<u>-</u>				
Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Con Section Le
9	5 + 4	21	8 + 8 + 5	33	8 + 8 + 8
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8
13	8 + 5	25	8 + 8 + 5 + 4	37	8 + 8 + 8 -
14	8 + 6	26	8 + 8 + 6 + 4	38	8 + 8 + 8 -
15	8 + 7	27	8 + 8 + 7 + 4	39	8 + 8 + 8
16	8 + 8	28	8 + 8 + 8 + 4	40	8 + 8 + 8 -
17	8 + 5 + 4	29	8 + 8 + 8 + 5	41	8 + 8 + 8 +
18	8 + 6 + 4	30	8 + 8 + 8 + 6	42	8 + 8 + 8 +
19	8 + 7 + 4	31	8 + 8 + 8 + 7	43	8 + 8 + 8 +
20	8 + 8 + 4	32	8 + 8 + 8 + 8	44	8+8+8+

Housing Configuration Section Lengths	length (ft)	Housing Configuration Section Lengths
8 + 8 + 8 + 5 + 4	45	8 + 8 + 8 + 8 + 8 + 5
8 + 8 + 8 + 6 + 4	46	8 + 8 + 8 + 8 + 8 + 6
8 + 8 + 8 + 7 + 4	47	8 + 8 + 8 + 8 + 8 + 7
8 + 8 + 8 + 8 + 4	48	8+8+8+8+8+8
8 + 8 + 8 + 8 + 5		
8 + 8 + 8 + 8 + 6		

+ 8 + 8 8 + 5 + 4 8 + 6 + 4 8 + 7 + 4

Standard run configurations, consult factory for custom configurations.