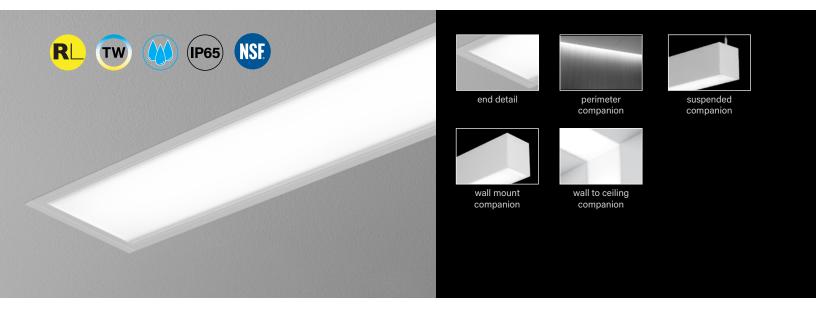
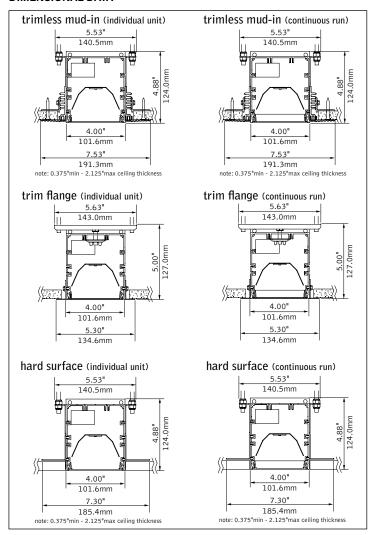
## Seem® 4





#### **DIMENSIONAL DATA**



#### **FEATURES**

Narrow extruded aluminum 4" aperture recessed slot LED suitable for wet location.

Integrates with ceiling for a clean, unobtrusive aesthetic.

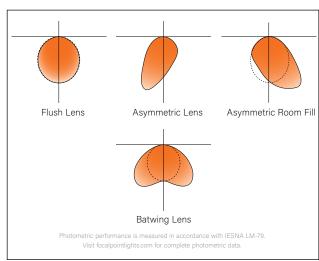
Individual units and continuous runs in 1' increments.

Available in flush, asymmetric, asymmetric room fill or batwing, lens.

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

Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

#### **PERFORMANCE**



fixture: project:

#### 4' PERFORMANCE CHART

		B\	N	F	L .	A	s į	Α	F
Lumen	Nominal	Tested System		Tested System		Tested System		Tested System	
Output	Lumens	Watts	LPW	Watts	LPW	Watts	LPW	Watts	LPW
275LF	1100	8.8	125	9.1	121	8.5	130	8.6	128
375LF	1500	11.3	133	11.7	129	10.8	138	11	137
625LF	2500	19	131	19.9	126	18.3	137	18.5	135
875LF	3500	27	130	27.9	125	25.9	135	26.2	133
1000LF	4000	31.1	129	32.2	124	29.8	134	30.2	132
1125LF	4500	35.4	127	36.6	123	33.9	133	34.4	131
1250LF	5000	39.8	126	41.2	121	38.1	131	38.6	129

 $Based \ on \ 3500K, 80 \ CRI, 4' lengths. \ Lumen \ multiplier: 90+CRI = 0.87. \ Lumen \ output \ may \ vary +/-5\%. \ Actual \ wattage \ may \ vary +/-5\%.$ 

STANDARD WHITE		
Luminaire Series		FSM4LWL
Seem 4 LED Wet Location	FSM4LWL	
Shielding (ceiling applications only)		
Asymmetric Lens*	AS	
Asymmetric Room Fill*	AF	
Batwing Lens*	BW	
Flush Satin Lens (*individual units only)	FL	
Lumen Output		
275 Lumens per foot	275LF	
375 Lumens per foot	375LF	
625 Lumens per foot 875 Lumens per foot	625LF 875LF	
1000 Lumens per foot	1000LF	
1125 Lumens per foot	1125LF	
1250 Lumens per foot	1250LF	
Color Temperature	201/	
3000K, 80+ CRI 3500K, 80+ CRI	30K 35K	
4000K, 80+ CRI	40K	
Circuits & Zones		
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 3 for multiple circuiting and zoning options	_C_Z_DL	
Voltage		UNV
120/277 UNV Volt	UNV	
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Ceiling Configuration		
Trim Flange Drywall (3' minimum with Lutron Drivers)	TF	
(3 minimum with Lutron Drivers)  Trim Flange Wood	TFW	
(3' minimum with Lutron Drivers)	**	
Mud-in Trimless, pre-set for 1/2" Drywall	XF1	
pre-set for 1/2 Drywaii Mud-in Trimless,	XF2	
pre-set for 5/8" Drywall		
Mud-in Trimless, set thickness in field	XFF	
(Mounting equipment assembled in field)		
Non-Drywall Hard Surface	XFN	
Hard Surface, Wood	XFW	
Factory Options (See Ordering Guide on page 4 for		
ordering details for DC, EC, EM & ECD.)	СР	
Chicago Plenum Daylight Circuit	DC	
Emergency Circuit	_EC	
Emergency Battery Pack <sup>†</sup>	_EM	
Emergency Control Device†	_ECD	
†(4' minimum. 120/277 Volt only. EM or ECD not available at corners.)	ENIV4	
6' New York City Flex Whip (120V) 6' New York City Flex Whip (277V)	FNY1 FNY2	
6' Flex Whip	FW	
IP65 Rated (individual units only)	IP65	
NSF Listed	NSF	
Finish		WH
Matte White Housing	WH	
Luminaire Length Specify luminaire/row length	VI	
in 1' increments (2' minimum, lengths are nominal.	X'	
Housing length is 1" shorter than specified.)		

fixture: project:

### 4' PERFORMANCE CHART (INDIVUDAL)

			LF	w
Lumen Output	Nominal Lumens	Tested System Watts	BW	FL
275LF	1100	13.30	87.3	83.2
375LF	1500	17.34	90.8	86.5
625LF	2500	27.84	94.0	89.5
875LF	3500	37.22	98.9	94.2
1000LF	4000	42.39	99.2	94.4
1125LF	4500	50.27	93.9	89.4

Based on 2700K, 80CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen muniphers	Lumen	Multip	liers
-----------------	-------	--------	-------

CRI	Multiplier
80+	1.00
90+	0.89

#### **Wattage Multipliers**

CCT	Multiplier
2700K	1.00
3000K	0.92
3500K	0.88
4000K	0.86
5000K	0.85
5700K	0.87
6500K	0.90



#### **TUNABLE WHITE**

TW	TUNABLE WHITE		
	Luminaire Series		FSM4LWL
	Seem 4 LED Wet Location	FSM4LWL	
	Shielding		
	(ceiling applications only)	<b></b>	
	Batwing Lens (individual units only)	BW	
	Flush Satin Lens	FL	
	Lumen Output 275 Lumens per foot	275LF	
	275 Lumens per foot (3' min. with D1TW.)		
	375 Lumens per foot	375LF	
	625 Lumens per foot	625LF	
	875 Lumens per foot	875LF	
	1000 Lumens per foot	1000LF	
	1125 Lumens per foot	1125LF	
<b>-</b>	Color Temperature	0705T	
	/hite: 2700-6500K, 80+ CRI	2765T	
lunable W	hite: 2700-6500K, 90+ CRI	92765T	
	Circuits & Zones		
	1 Circuit, non-emergency	1C	
	rdering Guide on page 3 for	_C_Z_DL	
multiple ci	rcuiting and zoning options		11887
	Voltage		UNV
	120/277 UNV Volt	UNV	
Control	System & Dimming Level		D1TW
(Default	DALI - 1% Dimming driver offers DT6 control. It requires two	D1TW	
addresses	, one for intensity & one for CCT tuning.		
Consult facto	ry for DT8. Extended lead time applies.)  Ceiling Configuration		
	Trim Flange Drywall	TF	
	(3' minimum with Lutron)		
	Trim Flange Wood	TFW	
	(3' minimum with Lutron)		
	Mud-in Trimless,	XF1	
	pre-set for 1/2" Drywall	VE0.	
	Mud-in Trimless, pre-set for 5/8" Drywall	XF2	
	Mud-in Trimless,	XFF	
	set thickness in field	Al I	
(1)	Mounting equipment assembled in field)		
	Non-Drywall Hard Surface	XFN	
	Hard Surface, Wood	XFW	
	<b>Factory Options</b>		
(See page 4 for	ordering details for DC, EC, EM & ECD.)	OD	
	Chicago Plenum	CP	
	Daylight Circuit	_DC	
	Emergency Circuit	_EC	
	Emergency Battery Pack	_EM	
	Emergency Control Device <sup>†</sup> †(consult factory.)	_ECD	
6! Nov		ENIV1	
	York City Flex Whip (120V)	FNY1	
o new	York City Flex Whip (277V) 6' Flex Whip	FNY2 FW	
	IP65 Rated (individual units only)	IP65	
	NSF Listed	NSF	
	Finish		WH
	Matte White Housing	WH	
,	Luminaire Length		
,	Specify luminaire/row length in 1' increments	X'	
	(2' minimum, lengths are nominal.		
	lousing length is 1" shorter than specified.)		

#### **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 or Tunable White (2700K-6500K), CRI>80, >90. LED modules and drivers are replaceable from below.

#### Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. XFW acceptable for use with wood, consult factory for Type IC availability. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 lbs.

#### Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" thick with satin finish, up to 8' continuous .020" thick acrylic lens water shield included for continuous runs.

#### 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. Dimming range 100% to 10%.Power factor > .9.

#### Emergency

Output - 10 watts for 90 minutes. Maximum mounting height: 19.2ft.

#### Labels

UL and cUL Listed for wet location recessed ceiling applications in indoor and outdoor environments. Lutron Drivers not recommended for outdoor environments below 0°C. IP65 per IEC 60529 ensures that the enclosure is dust-tight and protected against jet streams of water from any direction without any harmful effects.

#### Finish

Polyester powder coat applied over a multi-stage pre-treatment.

#### Lumen Maintenance

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

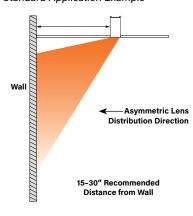
#### Reliability

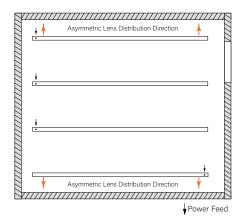
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

#### Warranty

LED system rated for operation in ambient environments up to 35°C. 5-year limited warranty.

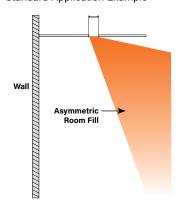
#### **DIRECT ASYMMETRIC** Standard Application Example

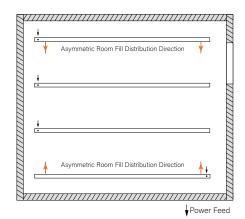




#### DIRECT ASYMMETRIC ROOM FILL

Standard Application Example





### 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:	32ft	JOB NAME:			FIXTURE TYPE: _		
			SHA	SHARED ELECTRICAL FEED,			FACTORY OPTIONS		
т	HOUSING	SECTION				SEPARATE ELECTRICAL FEEDS			
	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,		FEED,	FACTORY OPTIONS				
	HOUSING	SECTION	NORMAL POWER		SEPARA	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					
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 + 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	Run lengt (ft)	th 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.