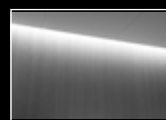


# Seem® 4

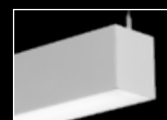
LED - WET LOCATION



end detail



perimeter companion



suspended companion



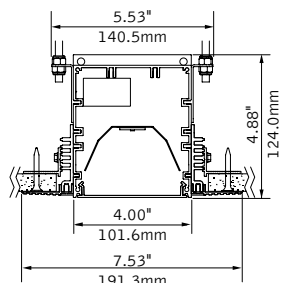
wall mount companion



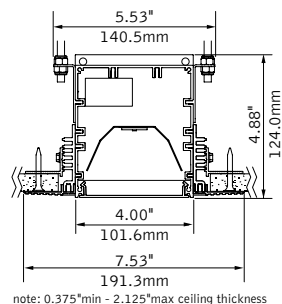
wall to ceiling companion

## DIMENSIONAL DATA

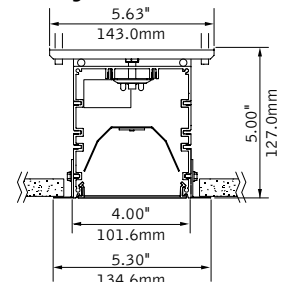
trimless mud-in (individual unit)



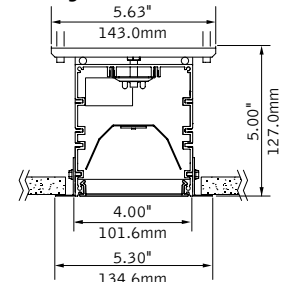
trimless mud-in (continuous run)



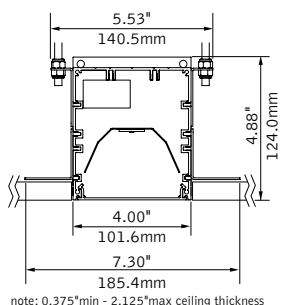
trim flange (individual unit)



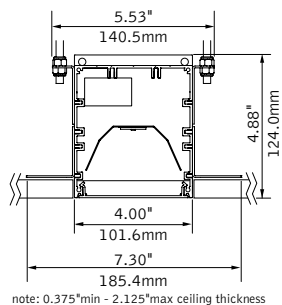
trim flange (continuous run)



hard surface (individual unit)



hard surface (continuous run)



## FEATURES

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

Integrates with ceiling for a clean, unobtrusive aesthetic.

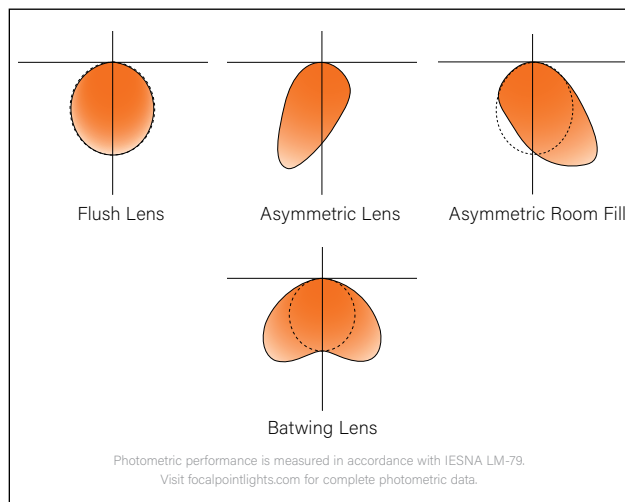
Individual units and continuous runs in 1' increments.

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

Lumen Output	Nominal Lumens	Tested System Watts	LPW			
						
275LF	1100	10	104	100	122	124
375LF	1500	13	113	108	126	129
625LF	2500	22	112	107	126	128
875LF	3500	32	109	105	125	127
1000LF	4000	37	109	104	124	126
1125LF	4500	44	108	104	122	124
1250LF	5000	49	107	102	120	123

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	625LF
875 Lumens per foot	875LF
1000 Lumens per foot	1000LF
1125 Lumens per foot	1125LF
1250 Lumens per foot	1250LF
Color Temperature	
3000K, 80+ CRI	30K
3500K, 80+ CRI	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
Trim Flange Wood (3' minimum with Lutron Drivers)	TFW
Mud-in Trimless, pre-set for 1/2" Drywall	XF1
Mud-in Trimless, pre-set for 5/8" Drywall	XF2
Mud-in Trimless, set thickness in field (Mounting equipment assembled in field)	XFF
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.)	
Chicago Plenum	CP
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack <sup>†</sup>	_EM
Emergency Control Device <sup>†</sup>	_ECD
<sup>†</sup> (4' minimum, 120/277 Volt only. EM or ECD not available at corners.)	
6' New York City Flex Whip (120V)	FNY1
6' New York City Flex Whip (277V)	FNY2
6' Flex Whip	FW
Finish	WH
Matte White Housing	WH
Luminaire Length Specify luminaire/row length in 1' increments (2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)	X'

fixture:

project:

TW 4' PERFORMANCE CHART (INDIVIDUAL)

Lumen Output	Nominal Lumens	Tested System Watts	LPW	
			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 Multipliers

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

Luminaire Series	FSM4LWL
Seem 4 LED Wet Location	FSM4LWL
<b>Shielding</b> (ceiling applications only)	
Batwing Lens	BW
(individual units only)	
Flush Satin Lens	FL
<b>Lumen Output</b>	
275 Lumens per foot (3' min. with D1TW, 4' min. with LT1)	275LF
375 Lumens per foot (3' min. with LT1)	375LF
625 Lumens per foot	625LF
875 Lumens per foot	875LF
1000 Lumens per foot	1000LF
1125 Lumens per foot	1125LF
<b>Color Temperature</b>	
Tunable White: 2700-6500K, 80+ CRI	2765T
Tunable White: 2700-6500K, 90+ CRI	92765T
<b>Circuits &amp; Zones</b>	
1 Circuit, non-emergency	1C
Consult Ordering Guide on page 3 for multiple circuiting and zoning options	_C_Z_DL
<b>Voltage</b>	<b>UNV</b>
120/277 UNV Volt	UNV
<b>Control System &amp; Dimming Level</b>	
Lutron T-Series - 1% Dimming	LT1
DALI - 1% Dimming (DT6 control. Requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8.)	D1TW
<b>Ceiling Configuration</b>	
Trim Flange Drywall (3' minimum with Lutron)	TF
Trim Flange Wood (3' minimum with Lutron)	TFW
Mud-in Trimless, pre-set for 1/2" Drywall	XF1
Mud-in Trimless, pre-set for 5/8" Drywall	XF2
Mud-in Trimless, set thickness in field (Mounting equipment assembled in field)	XFF
Non-Drywall Hard Surface	XFN
Hard Surface, Wood	XFW
<b>Factory Options</b> (See page 4 for ordering details for DC, EC, EM & ECD.)	
Chicago Plenum	CP
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack <sup>†</sup>	_EM
Emergency Control Device <sup>†</sup> <small>†(consult factory.)</small>	_ECD
6' New York City Flex Whip (120V)	FNY1
6' New York City Flex Whip (277V)	FNY2
6' Flex Whip	FW
<b>Finish</b>	<b>WH</b>
Matte White Housing	WH
<b>Luminaire Length</b>	
Specify luminaire/row length in 1' increments (2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)	X'

## 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.

### Finish

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

### Lumen Maintenance

Reported: L70 > 61,000 hours

Calculated: L70 at > 480,000 hours

L90 > 61,000 hours

L90 at > 128,000 hours

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

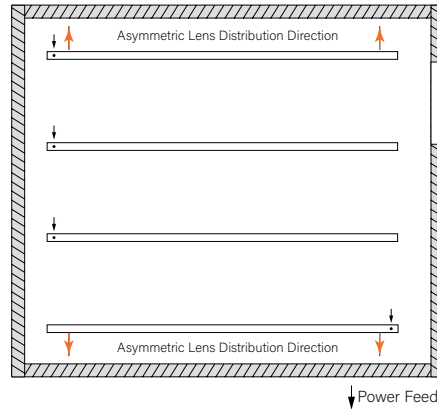
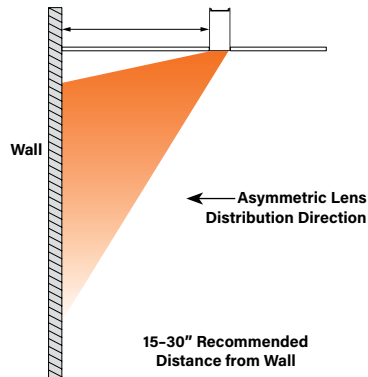
### Reliability

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.

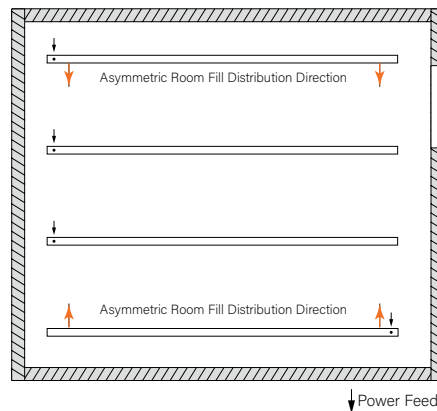
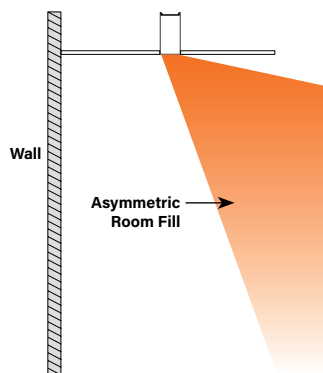
### Warranty

LED system rated for operation in ambient environments up to 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.

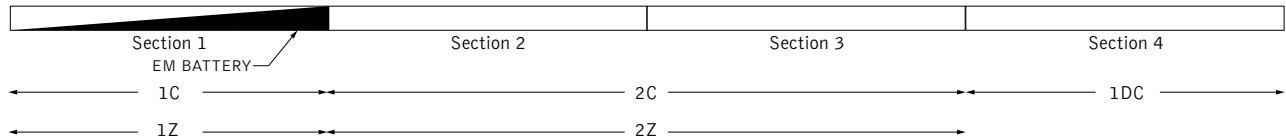
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

EXAMPLE	TOTAL RUN LENGTH: 32ft		JOB NAME:			FIXTURE TYPE:			
	HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
						SEPARATE ELECTRICAL FEEDS			EM
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
	1	8	1C	1Z					1EM
	2	8	2C	2Z					
	3	8	2C	2Z					
	4	8				1DC			
	Totals / Ordering Codes		2C	2Z		1DC			1EM

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



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



TOTAL RUN LENGTH: _____		JOB NAME: _____			FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			EM
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering 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 Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths
9	5 + 4	21	8 + 8 + 5	33	8 + 8 + 8 + 5 + 4	45	8 + 8 + 8 + 8 + 8 + 5
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8 + 6 + 4	46	8 + 8 + 8 + 8 + 8 + 6
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8 + 7 + 4	47	8 + 8 + 8 + 8 + 8 + 7
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8 + 8 + 4	48	8 + 8 + 8 + 8 + 8 + 8
13	8 + 5	25	8 + 8 + 5 + 4	37	8 + 8 + 8 + 8 + 5		
14	8 + 6	26	8 + 8 + 6 + 4	38	8 + 8 + 8 + 8 + 6		
15	8 + 7	27	8 + 8 + 7 + 4	39	8 + 8 + 8 + 8 + 7		
16	8 + 8	28	8 + 8 + 8 + 4	40	8 + 8 + 8 + 8 + 8		
17	8 + 5 + 4	29	8 + 8 + 8 + 5	41	8 + 8 + 8 + 8 + 5 + 4		
18	8 + 6 + 4	30	8 + 8 + 8 + 6	42	8 + 8 + 8 + 8 + 6 + 4		
19	8 + 7 + 4	31	8 + 8 + 8 + 7	43	8 + 8 + 8 + 8 + 7 + 4		
20	8 + 8 + 4	32	8 + 8 + 8 + 8	44	8 + 8 + 8 + 8 + 8 + 4		

Standard run configurations, consult factory for custom configurations.