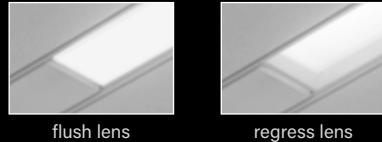
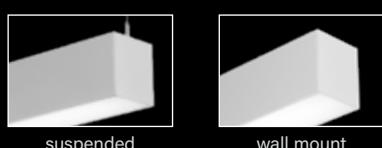


# Seem® 4-LP

LED

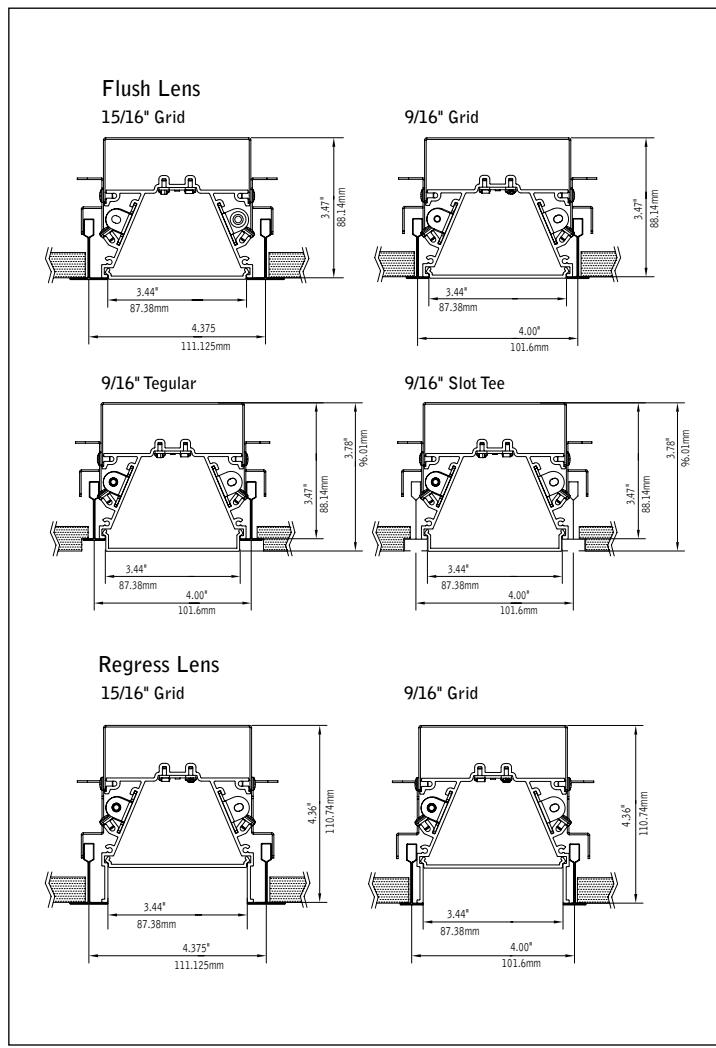


SEEM 4 FAMILY COMPANIONS



perimeter

## DIMENSIONAL DATA



## FEATURES

Low profile 3.6" housing depth on flush lens option and 4.5" housing depth on regressed lens option.

Individual units or continuous runs in 6" increments.

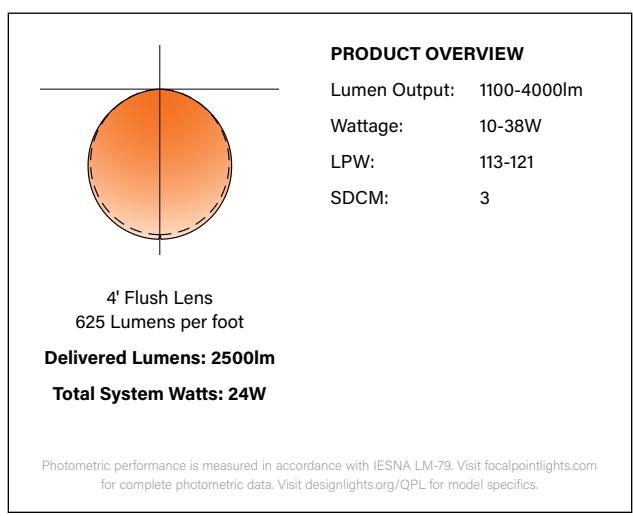
Compatible with common pre-engineered grid ceiling systems requiring luminaires fitting into a 4" slot.

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

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

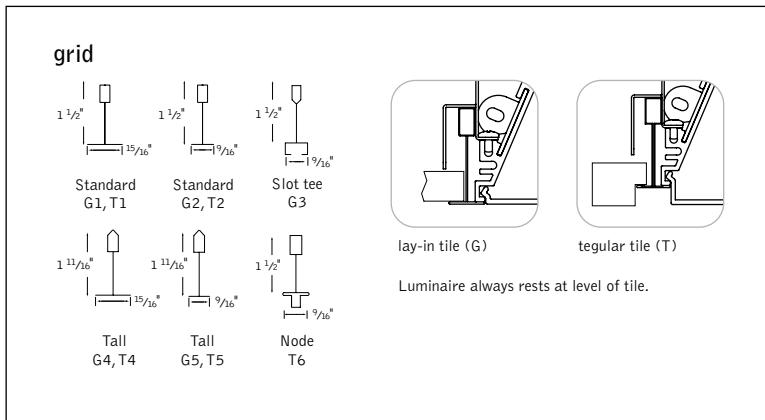
Connected Solutions: Integrates with wired and wireless building lighting control systems.

## PERFORMANCE



fixture:

project:

**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. LED modules are replaceable from below the ceiling. Drivers are accessible from above the ceiling only.

**Construction**

One piece extruded aluminum housing. 20 Ga. steel end caps. Aluminum driver compartment. 4' unit weight: 11 lbs., 8' unit weight: 19 lbs.

**Optic**

Extruded acrylic lens .078" thick 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. Dimming range 100% to 10%. Power factor >.9.

**Emergency**

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.0ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

**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.

**Lumen Maintenance**

Reported: L70 > 61,000 hours      Calculated: L70 at > 447,000 hours  
L90 > 61,000 hours      L90 at > 110,000 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**

Lumen Output	Nominal Lumens	FL		RL	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.0	122	9.5	116
375LF	1500	11.4	132	12.0	125
625LF	2500	18.2	137	19.4	129
875LF	3500	26.5	132	28.3	124
1000LF	4000	30.4	131	32.6	123

\*Based on 3500K, 4' lengths. Regress Lens multiplier = 0.90. Lumen may vary +/- 5%. Actual wattage may vary

**ORDERING****Luminaire Series**

Seem 4-LP

FSM4LP

**Shielding**

Flush Satin Lens

Rgress Lens

**Lumen Output**275 Lumens per foot  
(2' LD1 & L11 only. 3' minimum all other drivers.)

375 Lumens per foot

625 Lumens per foot

875 Lumens per foot

1000 Lumens per foot

275LF

375LF

625LF

875LF

1000LF

**Color Temperature**

2700K, 80+ CRI or 90+ CRI

3000K, 80+ CRI or 90+ CRI

3500K, 80+ CRI or 90+ CRI

4000K, 80+ CRI or 90+ CRI

27K or 927K

30K or 930K

35K or 935K

40K or 940K

**Circuits & Zones**

1 Circuit, non-emergency

Consult Ordering Guide on page 4 for multiple circuiting and zoning options

**Voltage**

120/277 UNV Volt

347 Volt

(LD1 driver only)

UNV

347

**Control System & Dimming Level**

0-10V - 10% Dimming

0-10V - 1% Dimming

Lutron Hi-Lume EcoSystem (LDE1) -

1% Dimming

DALI 1% Dimming

Wattstopper DLM - 1% Dimming\*\*

(Not available with CP)

LMFS1

Wattstopper Fixture Sensor\*\*

Low Density - 1% Dimming

[See sensor layout guide](#)

Wattstopper Fixture Sensor\*\*

High Density - 1% Dimming

[See sensor layout guide](#)

Lutron Athena Wireless Node\*\*

[See sensor layout guide](#)

Lutron Athena Wireless Sensor\*\*

[See sensor layout guide](#)(Remote mounted sensor, [See sensor layout guide](#))

Acuity nLight - 1% Dimming\*\*

(Not available with CP)

Encelium CLM Connected\*\*

Lighting Module - 1% Dimming

Current NX Enabled - 1% Dimming\*\*

(Not available with CP)

WaveLinx Pro - 1% Dimming\*\*

[See sensor layout guide](#)

\*\*(3' minimum length, with ECD/EM - 7 minimum.)

10-10 standard, consult factory for DALI)

**Ceiling Configuration**

Std. 15/16" Lay-in or Std. 15/16" Tegular

G1 or T1

Std. 9/16" Lay-in or Std. 9/16" Tegular

G2 or T2

9/16" Slot-tee Tegular

G3

Tall 15/16" Lay-in or Tall 15/16" Tegular

G4 or T4

Tall 9/16" Lay-in or Tall 9/16" Tegular

G5 or T5

Node 9/16" Tegular

T6

**Factory Options**

(See Ordering Guide on page 4 for ordering details for DC, EC, EM &amp; ECD.)

Chicago Plenum

(Not available with flex whip)

Daylight Circuit

Emergency Circuit

Emergency Battery Pack†

Emergency Control Device†

(Adds 125" to overall height.)

†4' minimum, 120/277 Volt only)

6' New York City Flex Whip (120V)

FNY1

6' New York City Flex Whip (277V)

FNY2

6' Flex Whip

FW

**Finish**

Matte White Housing

Luminaire Length

WH

WH

2'

2' 6"

3'

4'

5'

6'

7'

7' 6"

8'

8' ft. in.

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.<sup>†</sup>

Connected Solution	Ordering Code	Model # <sup>**</sup>	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers	
 <b>WATTSTOPPER®</b>	DLM1	LMFC-011	DLM	DLM	Enabled <sup>†</sup>	No	Wired	<b>Advance by Signify, Optotronic by eldoLED</b>	
	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated <sup>‡</sup>	No	Wireless		
	LMFSD	LMFS-601							
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Integrated <sup>‡</sup>	No	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>	
	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled <sup>†</sup>	No	Wired	<b>eldoLED ECODrive</b>	
	L11		0-10V					<b>Advance by Signify</b>	
	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled <sup>†</sup>	No	Wireless	<b>Optotronic by eldoLED</b> <b>Advance by Signify</b>	
	LAW1	A-WN-D01-RF-WH	DALI, 0-10V	Athena Wireless	Enabled <sup>†</sup>	No	Wireless	<b>Advance by Signify</b>	
	LAWS	A-WN-D01-OCC-WH	DALI, 0-10V	Athena Wireless	Integrated <sup>‡</sup>	No	Wireless	<b>Advance by Signify</b>	
	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled <sup>†</sup>	No	Wired	<b>Lutron Hi-Lume</b>	
	NLT1	nEPS-60-IO	nLight	nLight	Enabled <sup>†</sup>	No	Wired	<b>eldoLED ECODrive, eldoLED SOLOdrive</b>	
	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled <sup>†</sup>	No	Wired	<b>Optotronic by eldoLED</b>	

\*Not all compatible networks may be listed. \*\*For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold**. To specify a particular driver please consult factory. †Controls systems supplied by others. <sup>†</sup>Enabled: Fixture supplied with a Node/ Controller. Sensor to be provided by others. <sup>‡</sup>Integrated: Fixture supplied with an installed Sensor.

# 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.

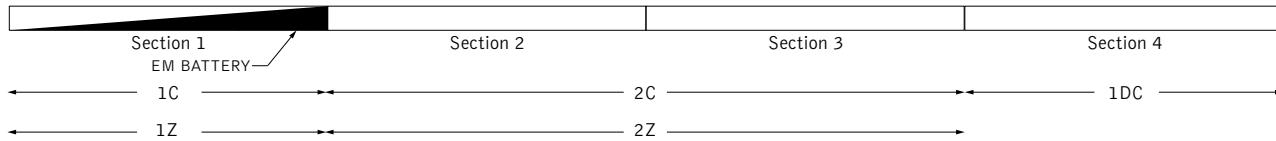
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: <b>32ft</b>		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	8	1C	1Z					1EM
	2	8	2C	2Z					
	3	8	2C	2Z					
	4	8				1DC			
	<b>Totals / Ordering Codes</b>		<b>2C</b>	<b>2Z</b>		<b>1DC</b>			<b>1EM</b>

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



WORKSHEET	TOTAL RUN LENGTH:		JOB NAME: _____			Fixture Type: _____		
	HOUSING SECTION	SECTION LENGTH	Shared Electrical Feed, Normal Power			FACTORY OPTIONS		
			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								
<b>Totals / Ordering Codes</b>								

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.