Seem® 4-LP

LED

FOCAL POINT®
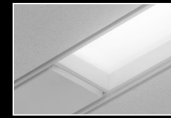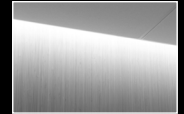
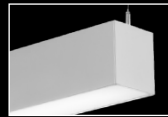flush lens

regress lens

SEEM 4 FAMILY COMPANIONS
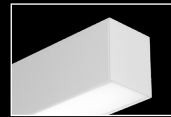
drywall ceiling

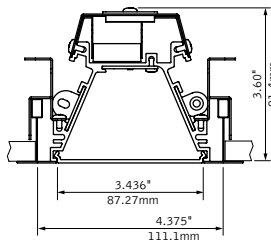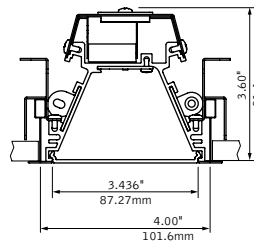corners & patterns

perimeter

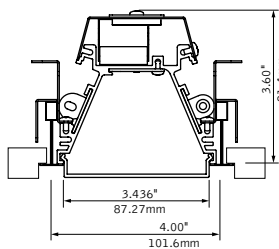suspended

wall mount

DIMENSIONAL DATA
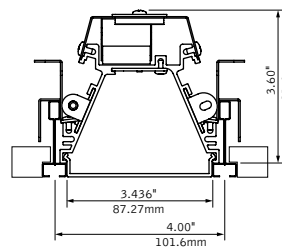
Flush Lens

15/16" Grid

3.60" / 91.4mm
3.436" / 87.27mm
4.375" / 111.1mm

9/16" Grid

3.60" / 91.4mm
3.436" / 87.27mm
4.00" / 101.6mm

9/16" Tegular

3.60" / 91.4mm
3.436" / 87.27mm
4.00" / 101.6mm

9/16" Slot Tee

3.60" / 91.4mm
3.436" / 87.27mm
4.00" / 101.6mm

Regress Lens

15/16" Grid

4.50" / 114.3mm
3.436" / 87.27mm
4.375" / 111.1mm

9/16" Grid

4.50" / 114.3mm
3.436" / 87.27mm
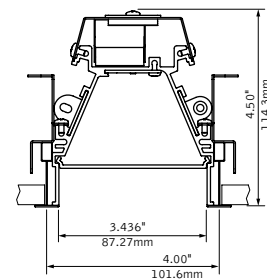4.00" / 101.6mm
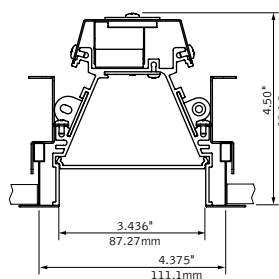
FEATURES

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

Preferred Light: Lighting for better color rendition and human preference.

PERFORMANCE

4' Flush Lens
625 Lumens per foot

Delivered Lumens: 2500lm

Total System Watts: 24W

PRODUCT OVERVIEW

Lumen Output:	1100-4000lm
Wattage:	10-38W
LPW:	113-121
SDCM:	3

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit designlights.org/QPL for model specifics.

DETAILS

grid

1 1/2"

15/16"

Standard
G1, T1

1 1/2"

9/16"

Standard
G2, T2

1 1/2"

9/16"

Slot tee
G3

1 11/16"

15/16"

Tall
G4, T4

1 11/16"

9/16"

Tall
G5, T5

1 1/2"

9/16"

Node
T6

lay-in tile (G)

tegular tile (T)

Luminaire always rests at level of tile.

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 accessable from above the ceiling only.

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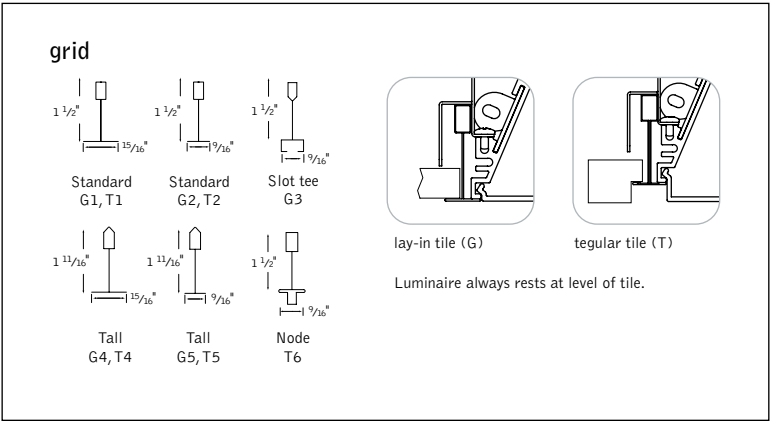One piece extruded aluminum housing. 20 Ga. steel end caps. Aluminum driver compartment.
4' unit weight: 11 lbs., 8' unit weight: 19 lbs.

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, ENL1, 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

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	275LF	1100	10	113
	375LF	1500	14	117
	625LF	2500	24	121
	875LF	3500	34	119
	1000LF	4000	38	117

Based on 3500K, 80 CRI, 4' lengths. Lumen multipliers: Regress lens = 0.90, Preferred Light = 0.65, 90+ CRI = 0.87.
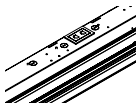Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.
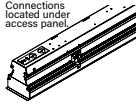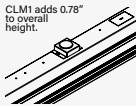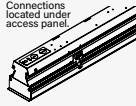
QS 10 DAY Options in orange qualify for the Quickship program. 1000' total.
Refer to Quickship Guide for complete details including EM/EC options.

ORDERING

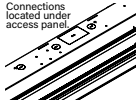|		
Luminaire Series		**FSM4LP**
Seem 4-LP	FSM4LP	
Shielding		_____
Flush Satin Lens	FL	
Regress Lens	RL	
Lumen Output		_____
275 Lumens per foot	275LF	
(2' LD1 & L11 only. 3' minimum all other drivers.)		
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
Color Temperature		_____
2700K, 80+ CRI or 90+ CRI	27K or 927K	
3000K, 80+ CRI or 90+ CRI	30K or 930K	
3500K, 80+ CRI or 90+ CRI	35K or 935K	
4000K, 80+ CRI or 90+ CRI	40K or 940K	
3500K, Preferred Light	P35K	
(Flush lens only)		
Circuits & Zones		_____
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 4 for multiple circuiting and zoning options	_C_Z_DL	
Voltage		_____
120/277 UNV Volt	UNV	
347 Volt	347	
(LD1 driver only)		
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Wattstopper DLM - 1% Dimming**	DLM1	
(Not available with CP)		
Wattstopper Fixture Sensor** Low Density – 1% Dimming	LMFS1	
See sensor layout guide		
Wattstopper Fixture Sensor** High Density – 1% Dimming	LMFSD	
See sensor layout guide		
Acuity nLight - 1% Dimming**	NLT1	
(Not available with CP)		
Enlighted Smart Sensor - 1% Dimming**	ENL1	
See sensor layout guide		
Encelium CLM Connected** Lighting Module - 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming**	NXE1	
(Not available with CP)		
WaveLinx Pro – 1% Dimming**	WLXP	
See sensor layout guide		
**(3' minimum length, with ECD/EM - 7' minimum.)		
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 & ECD.)		
Chicago Plenum	CP	
(Not available with flex whip)		
Daylight Circuit	_DC	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack†	_EM	_____
Emergency Control Device†	_ECD	_____
(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		**WH**
Matte White Housing	WH	
Luminaire Length		_____
2'	2'	
2' 6"	2' 6"	
3'	3'	
4'	4'	
5'	5'	
6'	6'	
7'	7'	
7' 6"	7' 6"	
8'	8'	
Specify luminaire/row length in 6" increments	_ft. _in.	
(8' minimum row length)		

CONNECTED® SOLUTIONS

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.†

Connected Solution		Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
legrand WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired	**Advance by Signify**, Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	**Advance by Signify**
		LMFSD	LMFS-601						**Optotronic by eldoLED (Dexal)**
COOPER Lighting Solutions		WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	**Advance by Signify**
CRESTRON	Connections located under access panel.	D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
		L11		0-10V					**Advance by Signify**
ENCELIUM	CLM1 adds 0.78" to overall height.	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	**Optotronic by eldoLED** Advance by Signify
Enlighted		ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	**Advance by Signify**
LUTRON	Connections located under access panel.	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	**Lutron Hi-Lume**
nLIGHT	Connections located under access panel.	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive
NX LIGHTING CONTROLS™	NXE1 adds 1.00" to overall height.	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired	**Optotronic by eldoLED**

*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.

Ordering Guide

Direct Only Linear Circuitry, Zones & Factory Options

FOCAL POINT®

HOW TO USE THIS GUIDE

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.
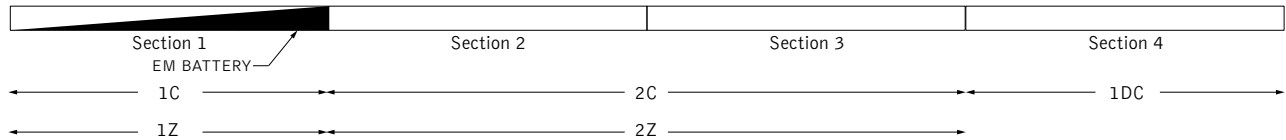
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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:** _____

	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	
EXAMPLE	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

```
[diagram of run]
Section 1    Section 2    Section 3    Section 4
EM BATTERY
1C ————————————  2C ————————————  1DC ————————
1Z ————————————  2Z ————————————
```

KEY

C = Switching Circuit
Switched Hot / Shared Neutral

Z = Dimming Zone
Dimming Control Wires

DL = Daylight Zone
Daylight Dimming Control Wires

DC = Daylight Circuit
Switched Hot / Separate Neutral

EC = Emergency Circuit
Switched Hot / Separate Neutral

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: _____			
HOUSING SECTION	**SECTION LENGTH**	**SHARED ELECTRICAL FEED, NORMAL POWER**			**FACTORY OPTIONS**			
		SWITCHING CIRCUIT	**DIMMING ZONE**	**DAYLIGHT ZONE**	**SEPARATE ELECTRICAL FEEDS**			
					DAYLIGHT CIRCUIT	**EMERGENCY CIRCUIT**	**ECD**	**EM**
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.

WORKSHEET