Seem® 2

LED

FOCAL POINT®
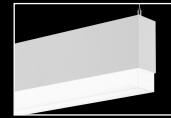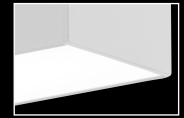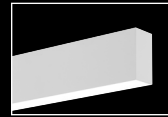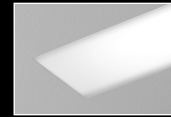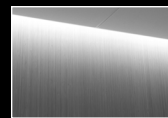
0.5"
pop-down lens

1.5"
pop-down lens

end
detail

wall mount
companion

recessed
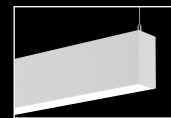companion

wall to ceiling
companion

perimeter
companion

direct/indirect
companion

DIMENSIONAL DATA

Asymmetric, Batwing &
Flush Lens

Additional Shielding Options

4.50in
114.30mm

2.64in
67.06mm

0.5" Pop-Down Lens

1.5" Pop-Down Lens

MOUNTING INFORMATION

95.4" — 47.4"

8' start — 4' end

12'

95.4" — 95.4"

8' start — 8' end

16'

95.4" — 96" — 47.4"

8' start — 8' intermediate — 4' end

20'

95.4" — 96" — 95.4"

8' start — 8' intermediate — 8' end

24'
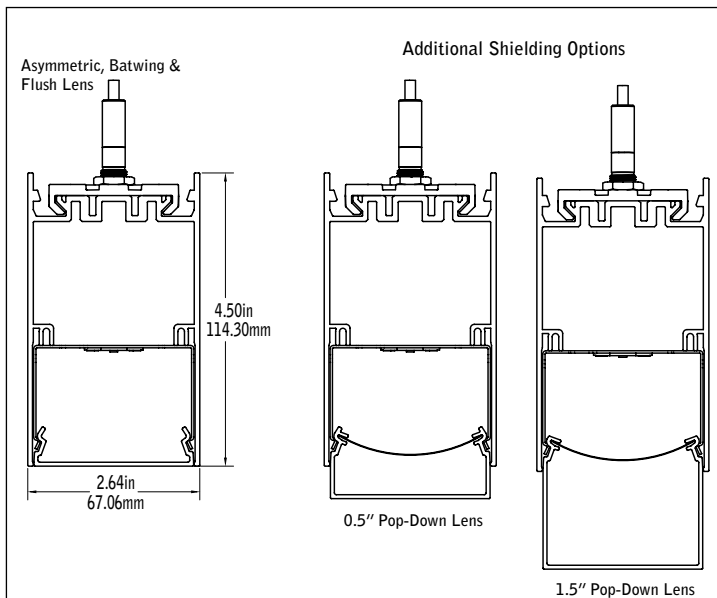
Consult factory for additional row length information.
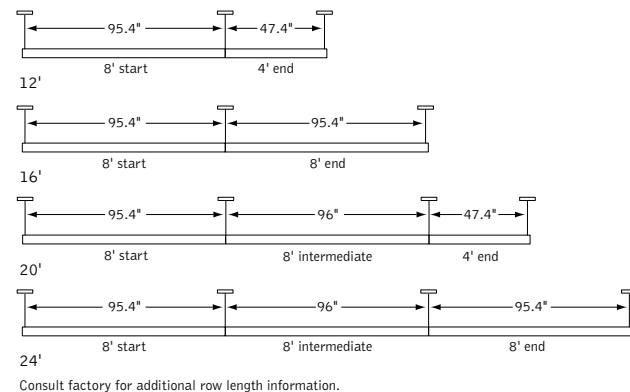
FEATURES

Narrow 2.5" linear direct LED with Asymmetric, Batwing, 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.

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

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

DISTRIBUTIONS

Asymmetric Lens

Batwing Lens

Flush Lens

0.5" Pop-Down Lens

1.5" Pop-Down Lens

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

MOUNTING INFORMATION

Standard Patterns with 90° Corners

'L' Patterns - A'xB'

Order: 8'x6'
Order: 6'x8'

'U' Patterns - A'xB'xC'

Order: 8'x6'x4'
Order: 8'x6'x4'

Rectangular Patterns - A'xB'R

Order: 8'x6'R

Custom Patterns
Consult factory

'T' Patterns

'X' Patterns

Corner Mounting Detail

Suspension Point

5"

Corners are constructed as 5" extensions to straight

Ordering examples assume A=8', B=6' & C=4'

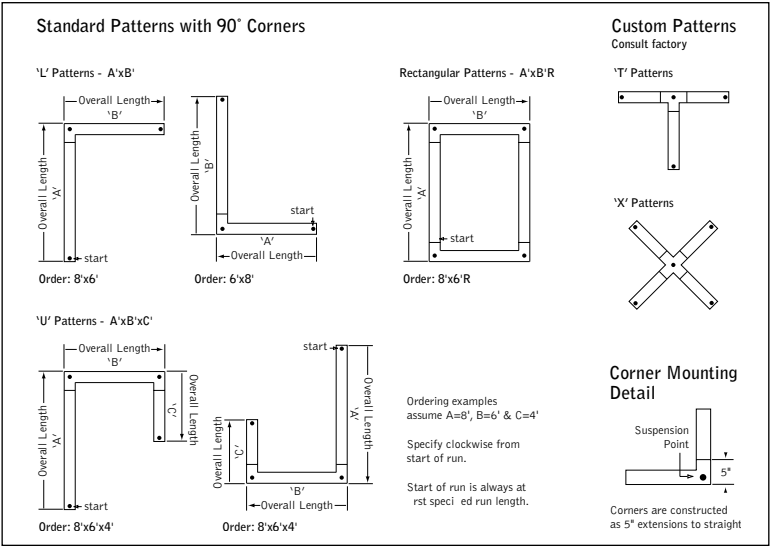Specify clockwise from start of run.

Start of run is always at first specified run length.

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 Battery output - 10 watts for 90 minutes. Maximum mounting height: 20 ft. 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. Canopy and cord white as standard.

Lumen Maintenance

	Reported:	Calculated:
	L70 at >61,000 hours	L70 at 385,000 hours
	L90 at >61,000 hours	L90 at 103,000 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
See page 3.

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		FSM2LS
Seem 2 LED	FSM2LS	_____

Shielding		_____
Asymmetric Lens	AS	
Batwing Lens	BW	
Flush Satin Lens	FL	
0.5" Pop-Down Lens	PD05	
1.5" Pop-Down Lens (Individual units only)	PD15	

Lumen Output		_____
125 Lumens per foot (LD1 & L11 only. 4' minimum.)	125LF	
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	750LF	
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	

Circuits & Zones		_____
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 5 for multiple circuiting and zoning options	_C_Z_DL	

Voltage		_____
120/277 UNV Volt	UNV	
347V (LD1 & L11 only)	347	
Low voltage	LV	

Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)	LVN	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming (For 750LF, 875LF & 1000LF consult factory.)	D11	
Wattstopper DLM - 1% Dimming**	DLM1	
Wattstopper Fixture Sensor**[1] Low Density – 1% Dimming *See sensor layout guide*	LMFS1	
Wattstopper Fixture Sensor**[1] High Density – 1% Dimming *See sensor layout guide*	LMFSD	
Acuity nLight - 1% Dimming**	NLT1	
Enlighted Smart Sensor - 1% Dimming**[1] *See sensor layout guide*	ENL1	
Encelium CLM Connected Lighting Module -** 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming**	NXE1	
WaveLinx Pro – 1% Dimming**[1] *See sensor layout guide*	WLXP	

**(3' minimum length, with ECD/EM - 7' minimum.)
1 (Not available with pop-down lenses.)

Mounting		_____
24" Cable Suspension	C24__	
48" Cable Suspension	C48__	
96" Cable Suspension	C96__	

(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH.)
(Specify one of the following in place of "C")
J - for 2" canopies at non–feed locations. CS - for sloped ceiling applications.)

Surface Mount (Not available with CLM1, DLM1 NLT1 or NXE1)	SM	

Factory Options		
(See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD.)		
Black Cord	BKCD	_____
Daylight Circuit	_DC	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack†	_EM	_____
Emergency Control Device†	_ECD	_____

†(3' minimum. 120/277 Volt only.)

Finish		_____
Black	BK	
Titanium Silver	TS	
Matte White Housing	WH	

Luminaire Length		_____
Specify luminaire/row length in 1' increments (2' minimum. Leave blank for patterns. Smaller increments available, consult factory.)	X'	

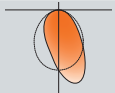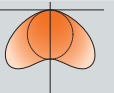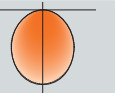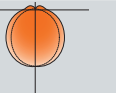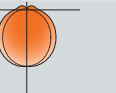| **Pattern Options** (2' minimum length)		_____
'L' pattern	A' x B'	
'U' pattern	A' x B' x C'	
Rectangular pattern (Consult factory for other pattern options)	A' x B' R	
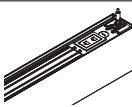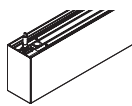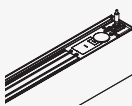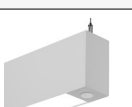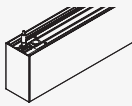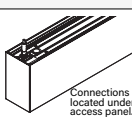
4' PERFORMANCE CHART

Lumen Output	Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)				
			AS	BW	FL	PD05	PD15
125LF	500	6	95	91	88	81	82
250LF	1000	10	113	108	103	94	98
375LF	1500	14	120	116	105	101	100
500LF	2000	19	123	118	107	103	102
625LF	2500	24	121	116	105	101	101
750LF	3000	28	122	117	108	101	100
875LF	3500	34	120	115	104	100	100
1000LF	4000	39	119	114	105	101	100

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

Seem 2
LED

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	DLM Wireless					**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	D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
	L11	Specified Driver	0-10V					**Advance by Signify**
ENCELIUM	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	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	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

Section 1 — EM BATTERY — Section 2 — Section 3 — Section 4

1C — 2C — 1DC

1Z — 2Z
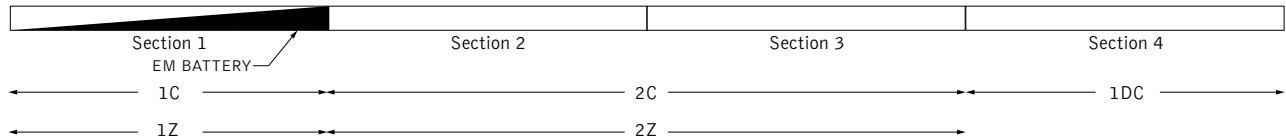
KEY

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:** _____

WORKSHEET

HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
					SEPARATE ELECTRICAL FEEDS			
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	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.