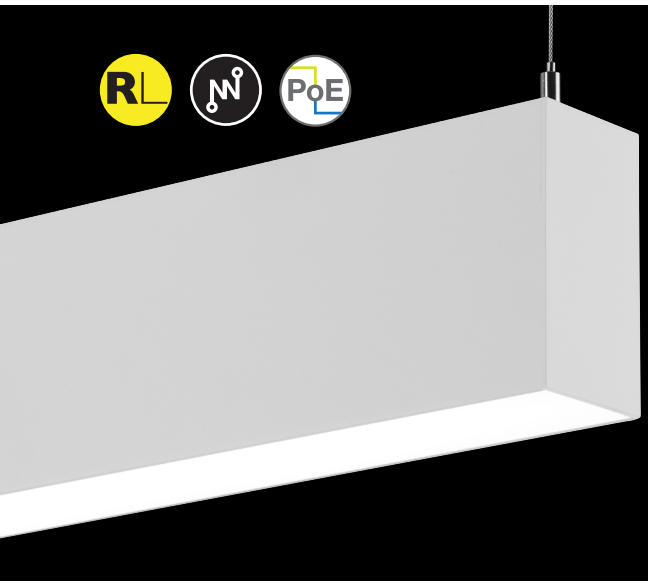
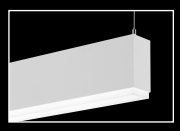
Seem® 2

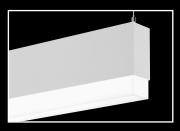
LED

FOCAL POINT®

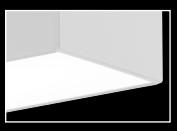




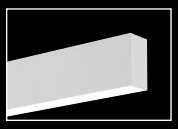
0.5"
pop-down lens



1.5"
pop-down lens

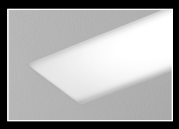


end
detail



wall mount
companion

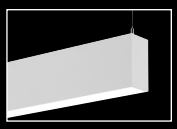
The Naturals collection - Gray Elm shown



recessed
companion

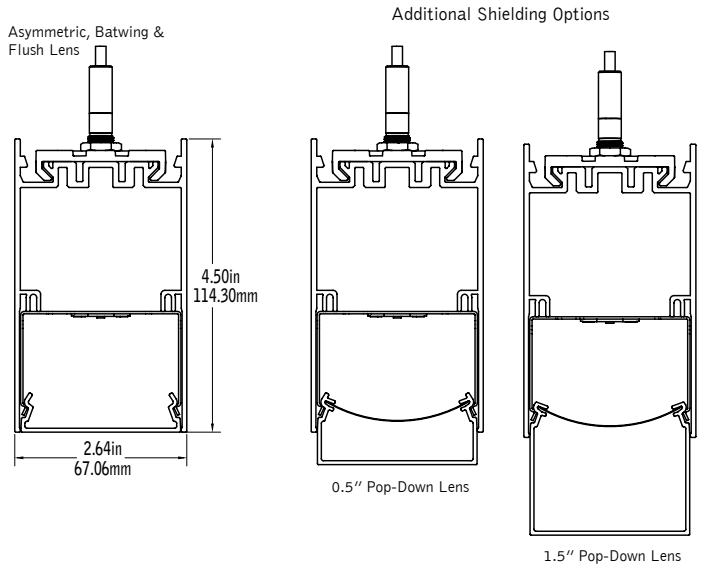
wall to ceiling
companion

perimeter
companion

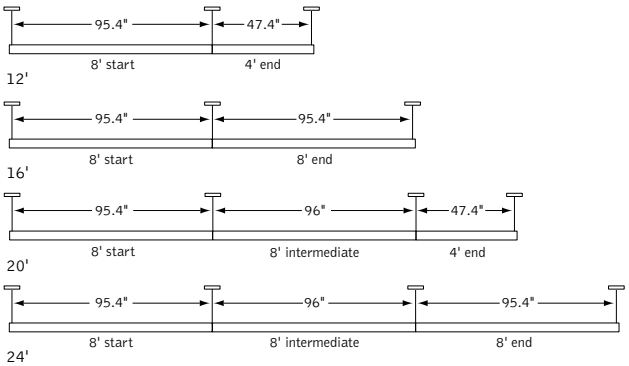


direct/indirect
companion

DIMENSIONAL DATA



MOUNTING INFORMATION



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.

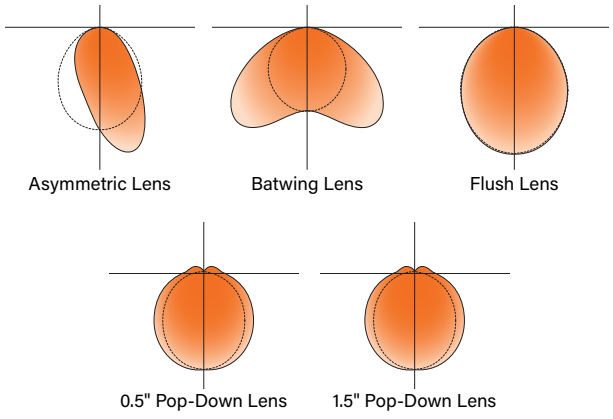
Individual units and continuous runs in 1' increments.

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.

Available with The Naturals, a series of finishes that exude biophilic beauty.

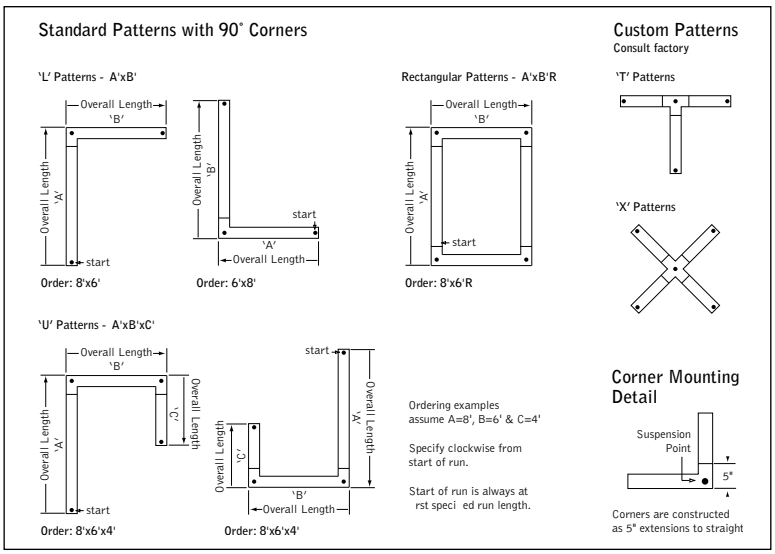
DISTRIBUTIONS



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

fixture: project:

MOUNTING INFORMATION



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. The Naturals: 100% low VOC vinyl.

Lumen Maintenance
Reported: L70 at >61,000 hours
L90 at >61,000 hours

Calculated: L70 at 385,000 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.

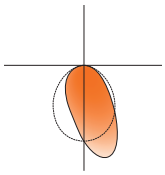
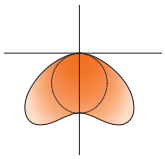
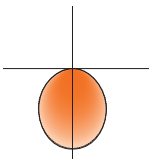
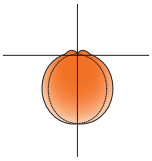
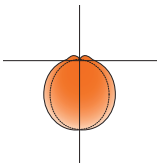
QS 10 DAY Options in orange qualify for the Quickship program. 1000' total.
Refer to Quickship Guide for complete details including EM/EC options.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

		FSM2LS
Luminaire Series		
Seem 2 LED	FSM2LS	
Shielding		_____
Asymmetric Lens	AS	
Batwing Lens	BW	
Flush 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** (For 750LF, 875LF & 1000LF consult factory.)	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 (Specify canopy color, see finishes page for options. Example: White = C24WH.) (Specify one of the following in place of "C" J - for 2" canopies at non-feed locations. CS - for sloped ceiling applications.)	C96__	
Surface Mount (Not available with CLM1, DLM1 NLT1 or NXE1)	SM	
Factory Options (See Ordering Guide for ordering details for DC, EC, EM & ECD.)		
Black Cord	BKCD	_____
Daylight Circuit	_DC	_____
Emergency Circuit	_EC	_____
Emergency Battery Pack†	_EM	_____
Emergency Control Device† †(3' minimum. 120/277 Volt only.)	_ECD	_____
Finish (See finishes page for The Naturals options)		_____
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

Shielding		Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Asymmetric Lens		125LF	500	5.64	89
		250LF	1000	8.24	121
		375LF	1500	11.22	134
		500LF	2000	14.53	138
		625LF	2500	17.93	139
		750LF	3000	22.22	135
		875LF	3500	26.00	135
		1000LF	4000	29.84	134
Batwing Lens		125LF	500	5.63	89
		250LF	1000	8.27	121
		375LF	1500	11.26	133
		500LF	2000	14.62	137
		625LF	2500	18.02	139
		750LF	3000	22.32	134
		875LF	3500	26.15	134
		1000LF	4000	30.07	133
Flush Lens		125LF	500	5.48	91
		250LF	1000	8.87	113
		375LF	1500	12.17	123
		500LF	2000	15.84	126
		625LF	2500	19.65	127
		750LF	3000	24.45	123
		875LF	3500	28.65	122
		1000LF	4000	33.12	121
Pop Down 0.5" Lens		125LF	500	5.72	87
		250LF	1000	9.35	107
		375LF	1500	12.91	116
		500LF	2000	16.89	118
		625LF	2500	21.70	115
		750LF	3000	26.14	115
		875LF	3500	30.69	114
		1000LF	4000	35.43	113
Pop Down 1.5" Lens		125LF	500	5.56	90
		250LF	1000	9.02	111
		375LF	1500	12.40	121
		500LF	2000	16.17	124
		625LF	2500	20.06	125
		750LF	3000	24.96	120
		875LF	3500	29.33	119
		1000LF	4000	33.72	119

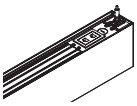
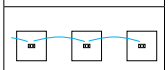
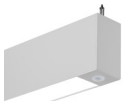
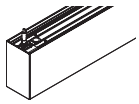
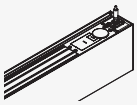
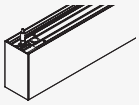
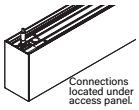
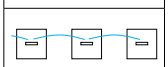
Based on 3500K, 4' length. Lumen multipliers:
Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

CONNECTED® SOLUTIONS

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®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	**Advance by Signify**, Optotronic by eldoLED
WATTSTOPPER®		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		D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
		L11		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		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.

Finishes

FOCAL POINT®

STANDARD FINISHES

WHITE WH

BLACK BK

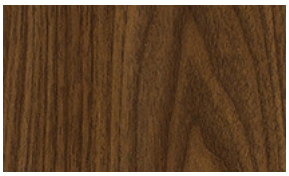
TITANIUM SILVER TS

THE NATURALS (25% SCALE)

LIGHT OAK LOK

GRAY ELM GRE

CHESTNUT CHT


WALNUT WLT

WOVEN LINEN WLN

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.

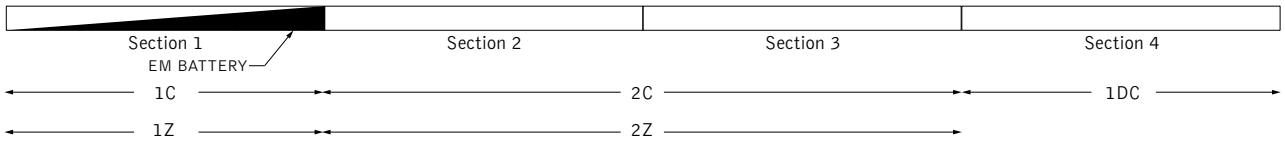
Submit the worksheet along with your order.

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	
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
DL = Daylight Zone 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®

WORKSHEET

TOTAL RUN LENGTH: _____ **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								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering Codes		**_C**	**_Z**	**_DL**	**_DC**	**_EC**	**_ECD**	**_EM**

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

RUN CHART

Run length (ft)	Housing Configuration Section Lengths
9	5 + 4
10	6 + 4
11	7 + 4
12	8 + 4
13	8 + 5
14	8 + 6
15	8 + 7
16	8 + 8
17	8 + 5 + 4
18	8 + 6 + 4
19	8 + 7 + 4
20	8 + 8 + 4

Run length (ft)	Housing Configuration Section Lengths
21	8 + 8 + 5
22	8 + 8 + 6
23	8 + 8 + 7
24	8 + 8 + 8
25	8 + 8 + 5 + 4
26	8 + 8 + 6 + 4
27	8 + 8 + 7 + 4
28	8 + 8 + 8 + 4
29	8 + 8 + 8 + 5
30	8 + 8 + 8 + 6
31	8 + 8 + 8 + 7
32	8 + 8 + 8 + 8

Run length (ft)	Housing Configuration Section Lengths
33	8 + 8 + 8 + 5 + 4
34	8 + 8 + 8 + 6 + 4
35	8 + 8 + 8 + 7 + 4
36	8 + 8 + 8 + 8 + 4
37	8 + 8 + 8 + 8 + 5
38	8 + 8 + 8 + 8 + 6
39	8 + 8 + 8 + 8 + 7
40	8 + 8 + 8 + 8 + 8
41	8 + 8 + 8 + 8 + 5 + 4
42	8 + 8 + 8 + 8 + 6 + 4
43	8 + 8 + 8 + 8 + 7 + 4
44	8 + 8 + 8 + 8 + 8 + 4

Run length (ft)	Housing Configuration Section Lengths
45	8 + 8 + 8 + 8 + 8 + 8 + 5
46	8 + 8 + 8 + 8 + 8 + 8 + 6
47	8 + 8 + 8 + 8 + 8 + 8 + 7
48	8 + 8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.