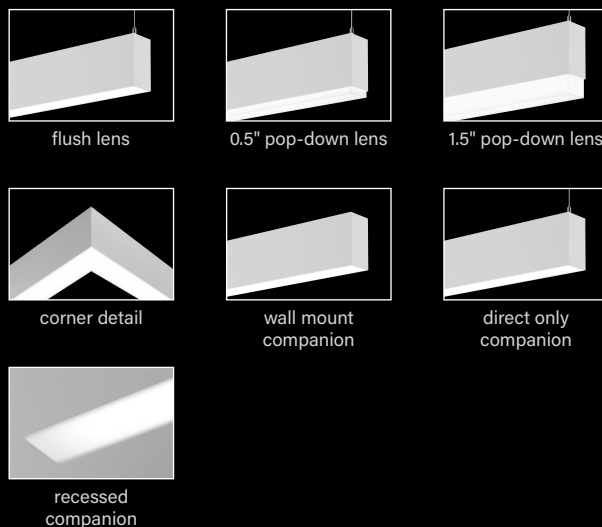
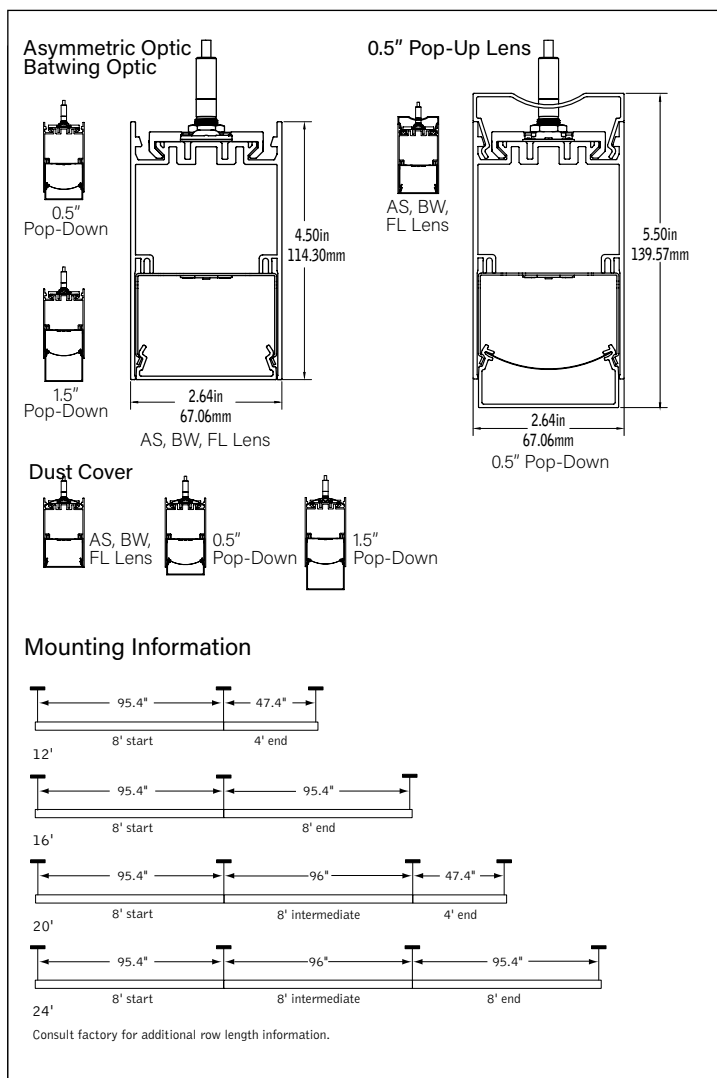


# Seem® 2

LED DIRECT/INDIRECT



## DIMENSIONAL DATA



## FEATURES

Narrow extruded aluminum 2.5" linear direct/indirect LED with indirect Asymmetric Optic, Batwing Optic, and Pop-lens options.

Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.

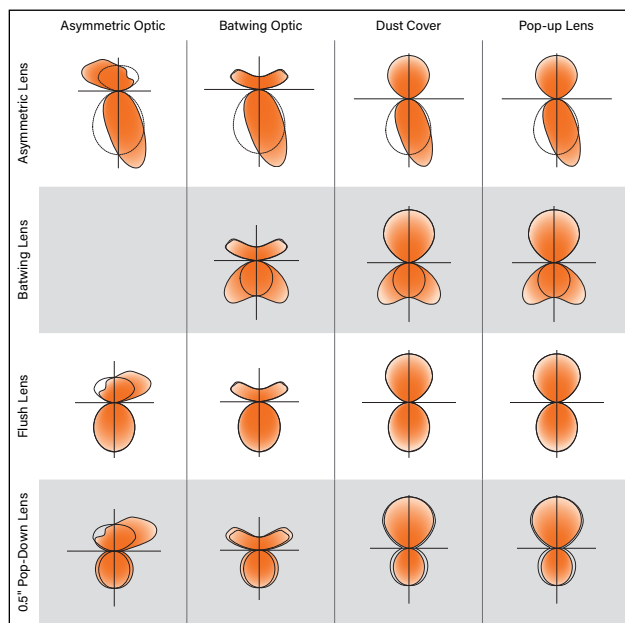
Individual units and continuous runs in 1' increments.

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

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

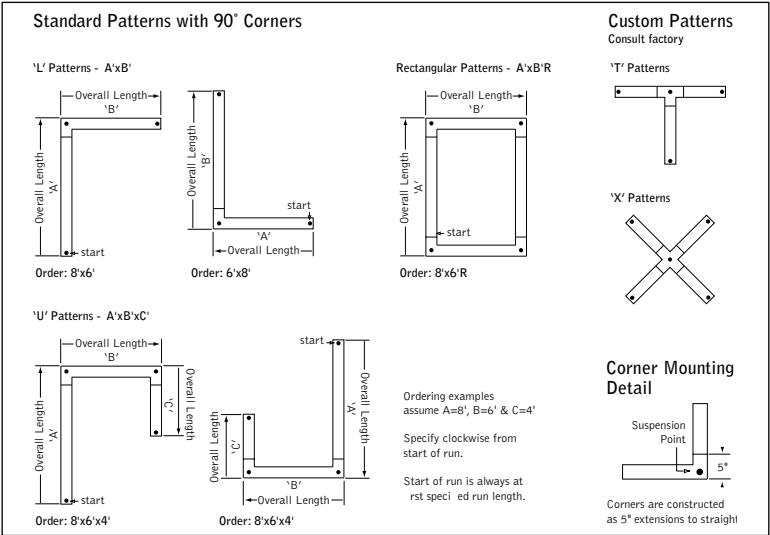
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

## DISTRIBUTIONS



Photometric performance is measured in accordance with IESNA LM-79. Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

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. 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. Color accuracy <3 SDCM.

Construction

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 30 lbs.

Optic

Reflectors fabricated of 20 Ga. steel finished in Matte White powder coat. Extruded acrylic lens with frosted 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, LMFS1, 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 at >61,000 hours Calculated: L70 at 257,000 hours  
L90 at >61,000 hours L90 at 69,000 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

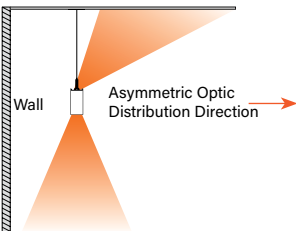
LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHARTS

See page 3 & 4.

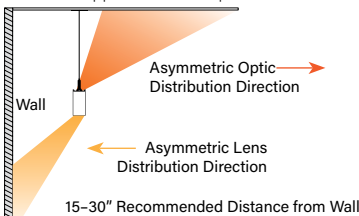
INDIRECT ASYMMETRIC

Standard Application Example



DIRECT/INDIRECT ASYMMETRIC

Standard Application Example



ORDERING

Luminaire Series

Seem 2 LED Direct / Indirect

Shielding

Asymmetric Optic top	Asymmetric Lens bottom
Asymmetric Optic top	Flush Lens bottom
Batwing Optic top	0.5" Pop-down Lens bottom
Batwing Optic top	1.5" Pop-down Lens bottom (Individual Units Only)
Dust Cover top	Asymmetric Lens bottom
Dust Cover top	Batwing Lens bottom
Dust Cover top	Flush Lens bottom
0.5" Pop-up Lens top	0.5" Pop-down Lens bottom
	1.5" Pop-down Lens bottom (Individual Units Only)
	Asymmetric Lens bottom
	Batwing Lens bottom
	Flush Lens bottom
	0.5" Pop-down Lens bottom
	1.5" Pop-down Lens bottom (Individual Units Only)
	Asymmetric Lens bottom
	Batwing Lens bottom
	Flush Lens bottom
	0.5" Pop-down Lens bottom

Direct Distribution

125 Lumens per foot (LD1 & LT1 Only)	125DN
250 Lumens per foot	250DN
375 Lumens per foot	375DN
500 Lumens per foot	500DN
625 Lumens per foot	625DN
750 Lumens per foot	750DN
875 Lumens per foot	875DN
1000 Lumens per foot	1000DN

Indirect Distribution

250 Lumens per foot	250UP
375 Lumens per foot	375UP
500 Lumens per foot	500UP
625 Lumens per foot	625UP
750 Lumens per foot	750UP
875 Lumens per foot	875UP
1000 Lumens per foot	1000UP
1250 Lumens per foot (Not available with Pop-up Lens.)	1250UP

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 (Not available with EM)	P35K

Circuits & Zones

1 Circuit, non-emergency	1C
2 non-emergency circuits provide independent control of Direct and Indirect sources (Not available with DLM1, NLT1, CLM1, NXE1)	2C
Consult Ordering Guide on page 6 for multiple circuiting and zoning options	_C_Z_DL

Voltage

120/277 UNV Volt	UNV
347V (LD1 & LT1 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 (750, 875, 1000 DN or UP, 1250UP consult factory)	D11
Wattstopper DLM - 1% Dimming**†	DLM1
Wattstopper Fixture Sensor Low Density - 1% Dimming**†	LMFS1
Wattstopper Fixture Sensor High Density - 1% Dimming**†	LMFS1
Acuity nLight - 1% Dimming**†	NLT1
(750, 875, 1000 DN or UP, 1250UP consult factory)	
Enlightened Smart Sensor - 1% Dimming**†	ENL1
See sensor layout guide	
Ecuelum CLM Connected Lighting Module - 1% Dimming**†	CLM1
Current NX Enabled - 1% Dimming**†	NXE1
WaveLinx Pro - 1% Dimming**†	WLXP
See sensor layout guide	

\*\* (4' minimum length, with ECD/EM - 7' minimum.)  
† (Not available with pop-down lenses.)  
‡ (Not available with Pop-Up lens.)

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.)

Factory Options

Black Cord	BKCD
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack†	_EM
Emergency Control Device†	_ECD

† (4' minimum. 120/277 Volt only. 5' minimum with Connected Solutions.)

Finish

Black	BK
Titanium Silver	TS
Matte White Housing	WH

Luminaire Length

Specify luminaire/row length in 1' increments (4' minimum. Leave blank for patterns. Smaller increments available, consult factory.)

Pattern Options (4' minimum length)

'L' pattern	A' x B'
'U' pattern	A' x B' x C'
Rectangular pattern (Consult factory for other pattern options)	
*Not available with Pop-Up or Pop-Down Lens options.	
**Not available with Pop-Down Lens options.	A' x B' R










FSM2BS












10 DAY

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

#### 4' PERFORMANCE CHART


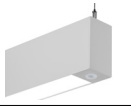
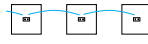



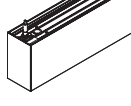

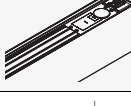

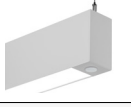

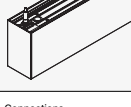

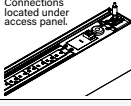


Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
													
125DN	250UP	33/67	1500	14	106	103	100	101	111	109	108	105	105
	375UP	25/75	2000	18	112	110	108	108	118	117	116	113	114
	500UP	20/80	2500	21	117	115	113	113	120	119	118	116	116
	625UP	17/83	3000	25	119	117	115	116	122	121	120	119	119
	750UP	14/86	3500	29	117	116	114	115	121	120	119	118	118
	875UP	13/87	4000	33	118	117	115	116	122	121	120	119	119
	1000UP	11/89	4500	38	119	118	117	117	122	122	121	120	120
	1250UP	9/91	5500	47	120	119	118	118	123	123	122	121	122
250DN	250UP	50/50	2000	18	113	108	104	105	117	114	111	107	109
	375UP	40/60	2500	22	117	113	109	111	122	120	118	114	115
	500UP	33/67	3000	25	120	116	113	114	123	121	119	116	117
	625UP	29/71	3500	29	122	118	115	117	125	123	121	118	119
	750UP	25/75	4000	33	120	117	114	115	123	122	120	117	118
	875UP	22/78	4500	37	120	118	115	116	124	122	121	119	119
	1000UP	20/80	5000	42	121	118	116	117	124	123	122	120	121
	1250UP	17/83	6000	51	121	119	117	118	125	124	123	121	122
375DN	250UP	60/40	2500	22	118	108	106	105	121	118	111	109	108
	375UP	50/50	3000	26	121	112	110	110	125	122	116	114	114
	500UP	43/57	3500	29	123	115	113	113	125	123	118	116	115
	625UP	38/62	4000	33	124	117	115	115	126	124	120	118	118
	750UP	33/67	4500	37	122	116	115	114	125	123	119	117	117
	875UP	30/70	5000	41	122	117	115	115	125	123	120	118	118
	1000UP	27/73	5500	46	122	118	116	116	125	124	121	119	119
	1250UP	23/77	6500	55	122	118	117	117	126	124	122	121	120
500DN	250UP	67/33	3000	27	120	109	106	106	123	119	112	109	108
	375UP	57/43	3500	30	122	113	110	110	126	123	116	113	113
	500UP	50/50	4000	34	124	115	113	113	126	123	117	115	115
	625UP	44/56	4500	37	125	117	115	114	127	124	119	117	117
	750UP	40/60	5000	42	123	116	114	114	125	123	118	116	116
	875UP	36/64	5500	46	123	117	115	115	126	124	119	117	117
	1000UP	33/67	6000	50	123	117	116	116	126	124	120	118	118
	1250UP	29/71	7000	59	123	118	117	117	126	124	121	120	120
625DN	250UP	71/29	3500	32	119	108	104	104	121	117	110	106	106
	375UP	63/37	4000	36	121	111	108	107	124	121	113	111	110
	500UP	56/44	4500	39	123	113	110	110	124	121	115	112	112
	625UP	50/50	5000	42	123	115	112	112	125	122	116	114	114
	750UP	45/55	5500	47	122	114	112	112	124	122	116	114	114
	875UP	42/58	6000	51	122	115	113	113	124	122	117	115	115
	1000UP	38/62	6500	55	122	116	114	114	125	123	118	116	116
	1250UP	33/67	7500	64	122	117	115	115	125	123	119	118	118
750DN	250UP	75/25	4000	37	121	109	104	103	122	118	111	105	105
	375UP	67/33	4500	40	122	112	107	106	125	121	114	109	109
	500UP	60/40	5000	43	123	114	109	109	125	122	115	111	110
	625UP	55/45	5500	47	124	115	111	110	126	123	117	112	112
	750UP	50/50	6000	52	123	115	111	110	125	122	116	113	112
	875UP	46/54	6500	56	123	115	112	111	125	122	117	114	113
	1000UP	43/57	7000	60	123	116	112	112	125	123	118	115	115
	1250UP	38/62	8000	69	123	117	114	114	125	123	119	116	116
875DN	250UP	78/22	4500	42	119	106	103	102	120	116	108	104	104
	375UP	70/30	5000	46	120	109	106	105	122	119	111	108	107
	500UP	64/36	5500	49	121	111	108	107	123	119	112	109	109
	625UP	58/42	6000	53	122	112	109	109	124	121	114	111	111
	750UP	54/46	6500	57	121	112	109	109	123	120	114	111	111
	875UP	50/50	7000	61	121	113	110	110	123	120	115	112	112
	1000UP	47/53	7500	66	121	113	111	111	124	121	116	113	113
	1250UP	41/59	8500	75	122	115	113	112	124	122	117	115	115
1000DN	250UP	80/20	5000	48	118	107	103	103	120	116	108	105	104
	375UP	73/27	5500	51	120	109	106	105	122	118	111	108	107
	500UP	67/33	6000	54	121	111	108	107	122	119	112	109	108
	625UP	62/38	6500	58	122	112	109	109	123	120	114	111	110
	750UP	57/43	7000	63	121	112	109	109	122	119	114	111	110
	875UP	53/47	7500	67	121	113	110	110	123	120	114	112	111
	1000UP	50/50	8000	71	121	113	111	111	123	120	115	113	113
	1250UP	44/56	9000	80	121	114	112	112	123	121	117	114	114

\*Based on 3500K, 4' lengths. Lumen Multipliers: Preferred Light = 0.65, 90 CRI = 0.87, Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
													
DCAS	DCBW	DCFL	DCPD05	DCPD15	PUAS	PUBW	PUFL	PUPD05					
125DN	250UP	33/67	1500	14	112	110	109	106	106	103	101	100	97
	375UP	25/75	2000	18	116	115	114	111	112	109	107	106	104
	500UP	20/80	2500	21	121	120	119	117	117	112	111	110	108
	625UP	17/83	3000	25	123	122	121	120	120	111	110	109	108
	750UP	14/86	3500	29	122	121	120	119	119	112	111	110	109
	875UP	13/87	4000	33	123	122	121	120	120	112	111	111	110
	1000UP	11/89	4500	38	124	123	122	121	121	113	112	112	111
	1250UP	9/91	5500	47	125	124	124	123	123	—	—	—	—
250DN	250UP	50/50	2000	18	118	115	112	108	110	110	108	105	101
	375UP	40/60	2500	22	120	118	116	112	113	114	112	110	106
	500UP	33/67	3000	25	124	122	120	116	118	116	114	112	109
	625UP	29/71	3500	29	125	124	122	119	120	115	113	111	109
	750UP	25/75	4000	33	124	122	121	118	119	115	113	112	110
	875UP	22/78	4500	37	124	123	122	120	120	115	114	112	110
	1000UP	20/80	5000	42	125	124	123	121	121	115	114	113	111
	1250UP	17/83	6000	51	126	125	124	122	123	—	—	—	—
375DN	250UP	60/40	2500	22	122	119	112	109	109	115	112	106	103
	375UP	50/50	3000	26	123	121	115	112	112	118	115	110	107
	500UP	43/57	3500	29	126	124	118	116	116	119	117	112	110
	625UP	38/62	4000	33	127	125	120	119	118	117	115	111	110
	750UP	33/67	4500	37	126	124	120	118	118	117	115	112	110
	875UP	30/70	5000	41	126	124	121	119	119	117	115	112	111
	1000UP	27/73	5500	46	126	125	122	120	120	117	116	113	112
	1250UP	23/77	6500	55	127	126	123	122	122	—	—	—	—
500DN	250UP	67/33	3000	27	123	120	112	109	109	118	115	107	104
	375UP	57/43	3500	30	124	121	115	112	112	120	117	110	108
	500UP	50/50	4000	34	127	124	118	115	115	121	118	112	110
	625UP	44/56	4500	37	128	125	120	117	117	119	117	112	110
	750UP	40/60	5000	42	126	124	119	117	117	118	116	112	110
	875UP	36/64	5500	46	126	124	120	118	118	118	116	112	111
	1000UP	33/67	6000	50	127	125	121	119	119	118	117	113	111
	1250UP	29/71	7000	59	127	126	122	121	121	—	—	—	—
625DN	250UP	71/29	3500	32	122	118	110	107	107	117	114	106	103
	375UP	63/37	4000	36	123	119	112	109	109	119	116	109	106
	500UP	56/44	4500	39	125	122	115	113	112	120	117	111	108
	625UP	50/50	5000	42	126	123	117	115	114	118	116	110	108
	750UP	45/55	5500	47	125	122	117	115	114	118	116	111	109
	875UP	42/58	6000	51	125	123	118	116	116	118	116	111	109
	1000UP	38/62	6500	55	125	123	119	117	117	118	116	112	110
	1250UP	33/67	7500	64	126	124	120	119	118	—	—	—	—
750DN	250UP	75/25	4000	37	123	119	111	106	105	119	115	108	102
	375UP	67/33	4500	40	124	120	113	108	108	120	117	110	105
	500UP	60/40	5000	43	125	122	116	111	111	121	118	111	107
	625UP	55/45	5500	47	126	123	117	113	113	119	117	111	107
	750UP	50/50	6000	52	125	122	117	113	113	119	116	111	108
	875UP	46/54	6500	56	125	123	118	114	114	119	116	112	108
	1000UP	43/57	7000	60	126	123	119	115	115	119	117	112	109
	1250UP	38/62	8000	69	126	124	120	117	117	—	—	—	—
875DN	250UP	78/22	4500	42	121	117	108	105	104	117	113	105	102
	375UP	70/30	5000	46	121	118	110	107	106	118	115	107	104
	500UP	64/36	5500	49	123	120	112	110	109	119	116	109	106
	625UP	58/42	6000	53	124	121	114	111	111	118	115	109	106
	750UP	54/46	6500	57	123	120	114	112	111	118	115	109	107
	875UP	50/50	7000	61	124	121	115	113	113	118	115	109	107
	1000UP	47/53	7500	66	124	122	116	114	114	118	115	110	108
	1250UP	41/59	8500	75	125	123	118	116	116	—	—	—	—
1000DN	250UP	80/20	5000	48	120	116	109	105	104	117	113	106	102
	375UP	73/27	5500	51	121	117	110	107	106	118	114	108	104
	500UP	67/33	6000	54	122	119	112	109	109	119	115	109	106
	625UP	62/38	6500	58	123	120	114	111	111	118	115	109	106
	750UP	57/43	7000	63	123	120	114	111	111	118	115	109	107
	875UP	53/47	7500	67	123	120	115	112	112	118	115	110	107
	1000UP	50/50	8000	71	124	121	116	113	113	118	115	110	108
	1250UP	44/56	9000	80	124	122	117	115	115	—	—	—	—

\*Based on 3500K, 4' lengths. Lumen Multipliers: Preferred Light = 0.65, 90 CRI = 0.87, Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

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
  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)
 	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
 	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
	L11		0-10V					Advance by Signify
 	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
 A Siemens Company 	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
 	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
 Connections located under access panel. 	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	eldoLED ECOdrive, eldoLED SOLOdrive
	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

## Bidirectional 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.

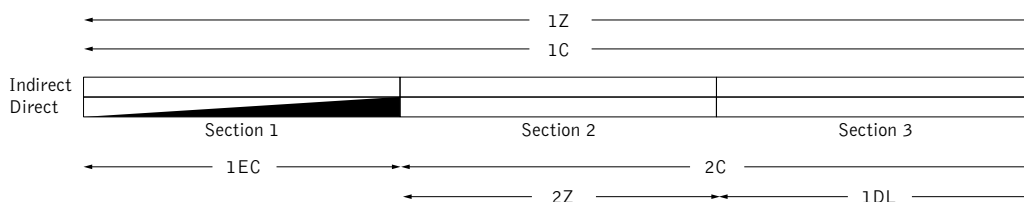
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: 24ft		JOB NAME:			FIXTURE TYPE:				
	HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
				SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD							
	1	8	Indirect	1C	1Z					
			Direct					1EC		
2	8	Indirect	1C	1Z						
		Direct	2C	2Z						
3	8	Indirect	1C	1Z						
		Direct	2C		1DL					
Totals / Ordering Codes				2C	2Z	1DL		1EC		

ORDERING: FSM4BS-FL-625UP-125DN-35K- 2C2Z1DL -UNV-LD1-C24- 1EC -WH-24ft



### 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

**ECD = Emergency Control Device**  
Unswitched Hot / Separate Neutral

**EM = Emergency Battery**  
Unswitched Hot / Shared Neutral

### DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- EC, EM, and ECD only available for direct distribution.
- One shared or isolated circuit and zone required per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Limit of one EM or ECD per housing section.
- Each EC, DC 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	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
						DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
1		Indirect							
		Direct							
2		Indirect							
		Direct							
3		Indirect							
		Direct							
4		Indirect							
		Direct							
5		Indirect							
		Direct							
6		Indirect							
		Direct							
7		Indirect							
		Direct							
8		Indirect							
		Direct							
9		Indirect							
		Direct							
10		Indirect							
		Direct							
11		Indirect							
		Direct							
12		Indirect							
		Direct							
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.