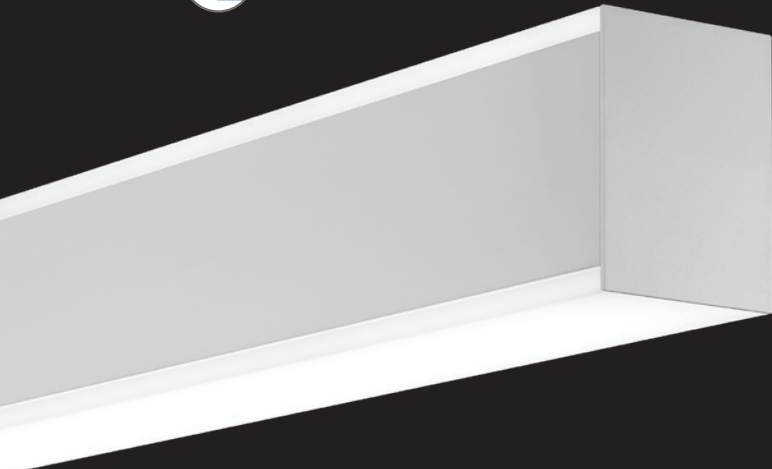


# Seem® 4

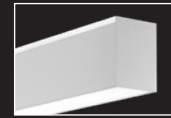
LED DIRECT/INDIRECT WALL MOUNT



FOCAL POINT®



flush lens top & bottom



0.5" pop-up lens / flush lens bottom



linear suspended companion



direct only companion

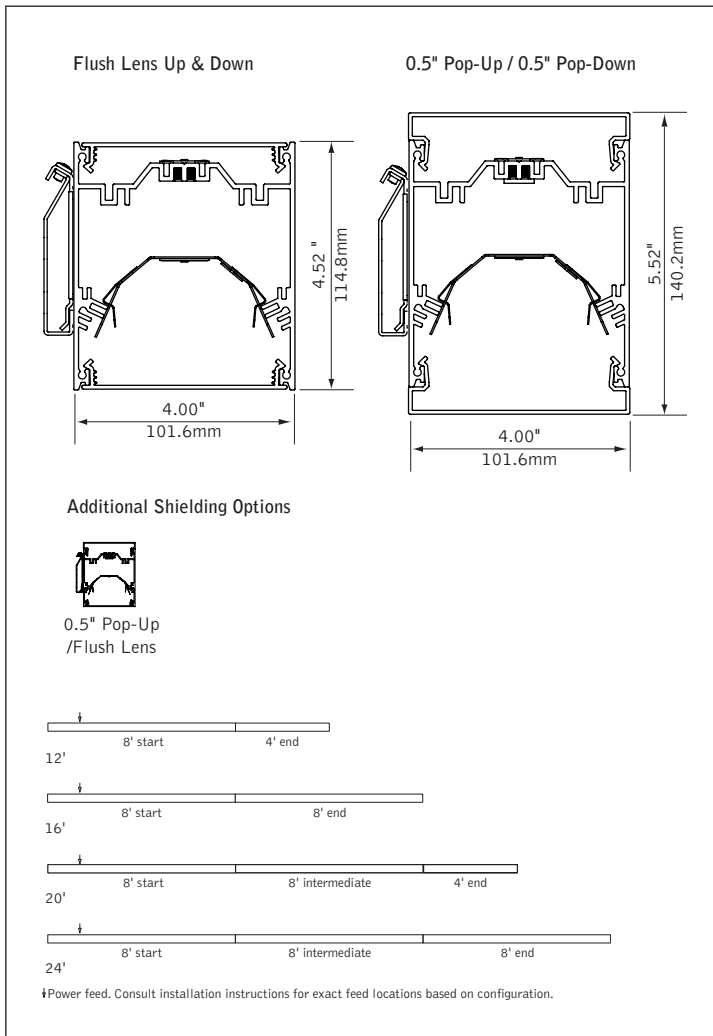


wall to ceiling corner companion



recessed companion

## DIMENSIONAL DATA



## FEATURES

Narrow extruded aluminum 4" direct/indirect wall mount LED Pop-lens options.

Features Right Light lumen levels allowing lumen and wattage design flexibility.

Individual units and continuous runs in 1' increments.

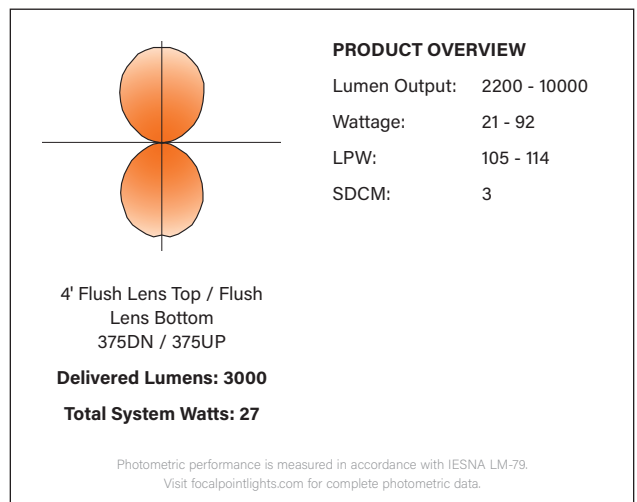
Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.

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

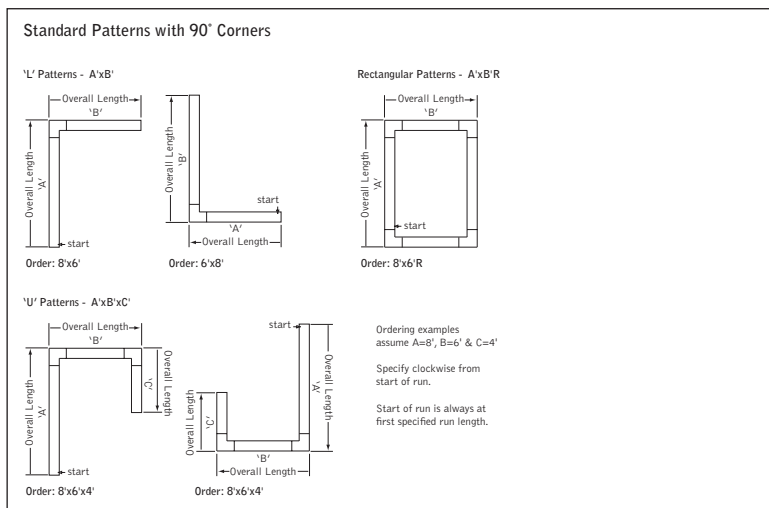
Choice of output levels and light distributions to meet a wide variety of application needs.

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

## PERFORMANCE



**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 3000K, 3500K or 4000K with >80 or 90 CRI, 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. Die cast aluminum end caps. 3' unit weight: 14.5lbs, 4' unit weight: 19lbs, 5' unit weight: 25lbs.

**Optic**

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" 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. 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 Battery**

Bodine BSL310LP. Emergency output - 10 watts for 90 minutes. Maximum mounting height: 14.12ft

**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 395,000 hours  
 Reported: L90 at >61,000 hours      Calculated: L90 at 100,000 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



Options in orange qualify for the Quickship program. Run lengths in 1' increments, 1000' total. Refer to Quickship Guide for complete details.

**ORDERING**

<b>Luminaire Series</b>	<b>FSM4BW</b>
Seem 4 Direct/Indirect LED	FSM4BW
<b>Shielding</b>	
Flush Lens / Flush Lens Bottom	FLFL
0.5" Pop-Up Lens / Flush Lens Bottom	PUFL
0.5" Pop-Up Lens / 0.5" Pop-Down Lens	PUPD05
<b>Direct Distribution</b>	
(See driver compatibility chart on page 3)	
275 Lumens per foot	275DN
375 Lumens per foot	375DN
625 Lumens per foot	625DN
875 Lumens per foot	875DN
1000 Lumens per foot (FLFL & PUFL only)	1000DN
1250 Lumens per foot (FLFL only)	1250DN
<b>Indirect Distribution</b>	
(See driver compatibility chart on page 3)	
275 Lumens per foot	275UP
375 Lumens per foot	375UP
625 Lumens per foot	625UP
875 Lumens per foot	875UP
1000 Lumens per foot (FLFL & PUFL only)	1000UP
1250 Lumens per foot (FLFL only)	1250UP
<b>Color Temperature</b>	
2700K, 80+ CRI or 2700K, 90+ CRI	27K or 927K
3000K, 80+ CRI or 3000K, 90+ CRI	30K or 930K
3500K, 80+ CRI or 3500K, 90+ CRI	35K or 935K
4000K, 80+ CRI or 4000K, 90+ CRI	40K or 940K
<b>Circuits &amp; Zones</b>	
1 Circuit, non-emergency	1C
2 non-emergency circuits provide independent control of Direct and Indirect sources	2C
Consult Ordering Guide on page 4 for multiple circuiting and zoning options	_C_Z_DL
<b>Voltage</b>	
120/277 UNV Volt	UNV
Low Voltage	LV
<b>Control System &amp; Dimming Level</b>	
0-10V - 10% Dimming	LD1
0-10V - 1% Dimming	L11
Low Voltage, PoE compatible	LVN
(No driver. Not available with EM or EC. LV Voltage only)	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1
DALI - 1% Dimming (625 lumens per foot max.)	D11
<b>Mounting</b>	<b>WM</b>
Wall Mount	WM
<b>Factory Options</b>	
(See Ordering Guide on page 4 for ordering details for DC, EC, EM & ECD.)	
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack†	_EM
Emergency Control Device†	_ECD
†(4' minimum. 120/277 Volt Only. EM or ECD not available at corners.)	
<b>Finish</b>	
Black	BK
Titanium Silver	TS
Matte White Housing	WH
<b>Luminaire Length</b>	
(3' minimum length. Leave blank for patterns. Lengths are nominal)	
Specify luminaire/row length in 1' increments	X'
(Smaller increments available. Consult factory.)	
<b>Pattern Options</b>	
'L' pattern (5' minimum length)	A' x B'
'U' pattern (7' minimum length)	A' x B' x C'
Rectangular pattern (7' minimum length)	A' x B'R
(Consult factory for other pattern options)	

## DRIVER COMPATIBILITY CHART

Driver Description	Driver Code	Lumens per foot					
		275	375	625	875	1000	1250
0-10V - 10% Dimming	LD1	✓	✓	✓	✓	✓	✓
0-10V - 1% Dimming	L11	✓	✓	✓	✓	✓	✓
DALI - 1% Dimming	D11	✓	✓	✓			
Lutron Hi-Lume - 1% EcoSystem	LH1	✓	✓	✓	✓	✓	✓

## 4' PERFORMANCE CHART - FLUSH LENS/FLUSH LENS

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)		Tested System Watts	Lumens Per Watt (LPW)
					FLFL	PUFL		PUPD05
275DN	275	50/50	2200	22	107	105	25	93
	375	42/58	2600	25	109	106	28	95
	625	31/69	3600	35	111	106	38	98
	875	24/76	4600	46	109	103	49	97
	1000	22/78	5100	50	108	102	—	—
	1250	18/82	6100	57	108	—	—	—
375DN	275	58/42	2600	25	109	107	30	91
	375	50/50	3000	28	111	108	33	94
	625	38/62	4000	37	112	108	43	96
	875	30/70	5000	49	110	105	54	96
	1000	27/73	5500	53	109	104	—	—
	1250	23/77	6500	59	109	—	—	—
625DN	275	69/31	3600	33	111	109	41	89
	375	63/37	4000	36	112	110	44	91
	625	50/50	5000	46	113	109	54	94
	875	42/58	6000	57	111	106	65	94
	1000	38/62	6500	62	110	105	—	—
	1250	33/67	7500	68	110	—	—	—
875DN	275	76/24	4600	43	109	108	55	86
	375	70/30	5000	47	110	109	58	87
	625	58/42	6000	56	111	108	68	90
	875	50/50	7000	68	110	106	79	91
	1000	47/53	7500	72	109	105	—	—
	1250	41/59	8500	78	109	—	—	—
1000DN	275	78/22	5100	48	108	107	—	—
	375	73/27	5500	51	109	108	—	—
	625	62/38	6500	60	110	108	—	—
	875	53/47	7500	72	109	105	—	—
	1000	50/50	8000	76	109	105	—	—
	1250	44/56	9000	82	108	—	—	—
1250DN	275	82/18	6100	57	109	—	—	—
	375	77/23	6500	60	110	—	—	—
	625	67/33	7500	70	110	—	—	—
	875	59/41	8500	81	109	—	—	—
	1000	56/44	9000	86	110	—	—	—
	1250	50/50	10000	92	108	—	—	—

\*Based on 3500K, 4' lengths. \*Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%. Pop-Up Lens/Pop-down lens lumen output may vary +/- 5%

# Ordering Guide

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.

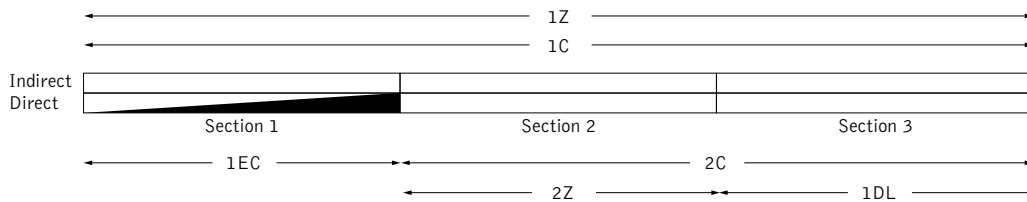
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

TOTAL RUN LENGTH: <u>24ft</u>		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
1	8	Indirect	1C	1Z					
		Direct					1EC		
2	8	Indirect	1C	1Z					
		Direct	2C	2Z					
3	8	Indirect	1C	1Z					
		Direct	2C		1DL				
<b>Totals / Ordering Codes</b>			<b>2C</b>	<b>2Z</b>	<b>1DL</b>		<b>1EC</b>		

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



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>ECD = Emergency Control Device</b> Unswitched Hot / Separate Neutral
	<b>EM = Emergency Battery</b> 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			EM
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			
						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							
<b>Totals / Ordering Codes</b>									

WORKSHEET

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.