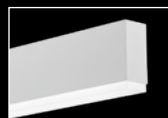
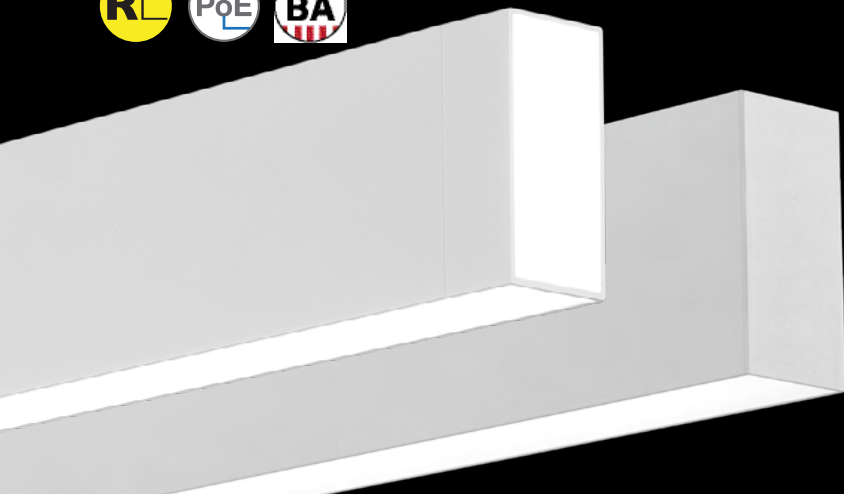


Seem® 1

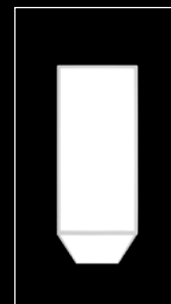
LED DIRECT/INDIRECT WALL MOUNT



Pop-Down Lens



Corner detail

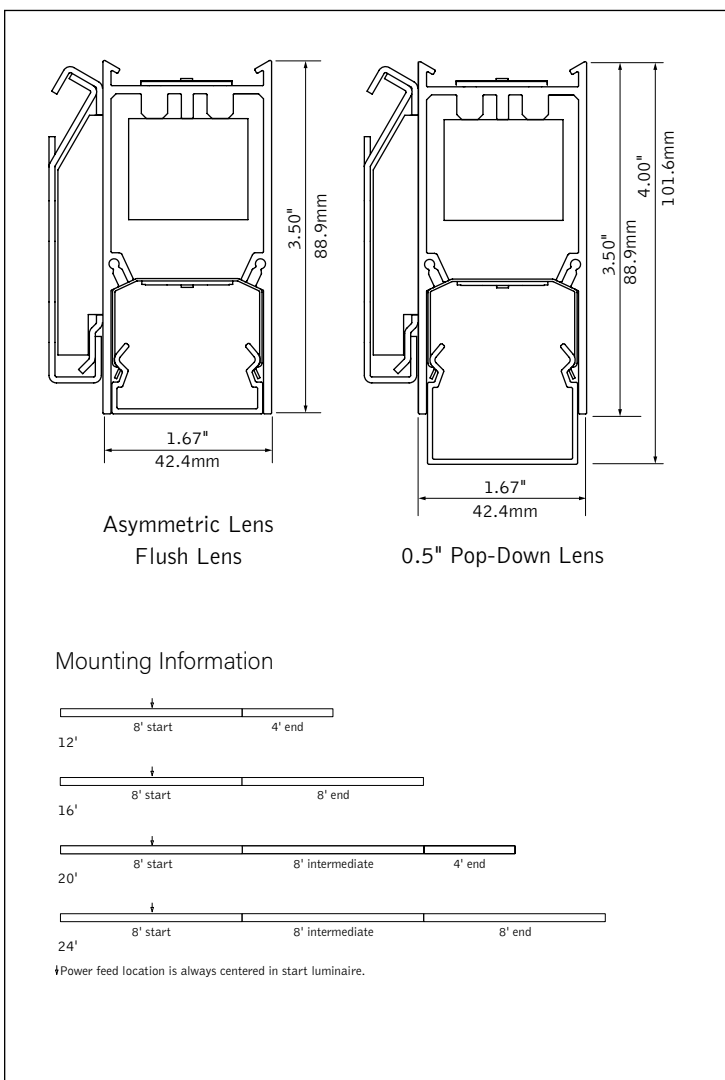


lit end cap detail



The Naturals collection - Chustnut shown

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 1.5" linear direct wall mount LED with Asymmetric, Flush, and Pop-Down lens options.

Individual units and continuous runs in 1" increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

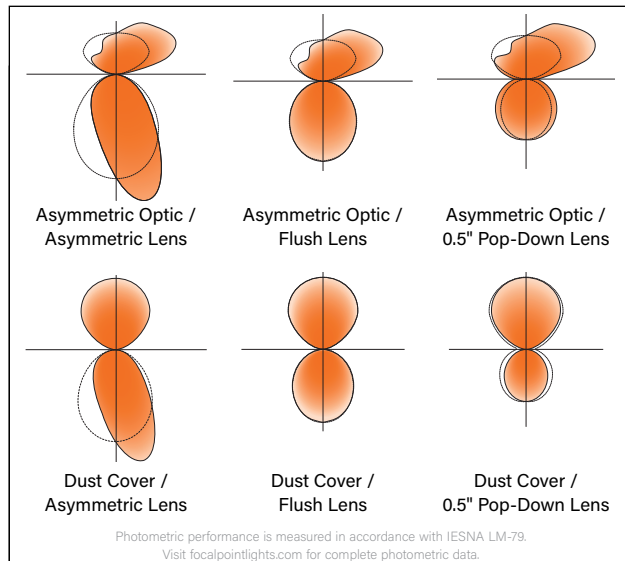
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

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.

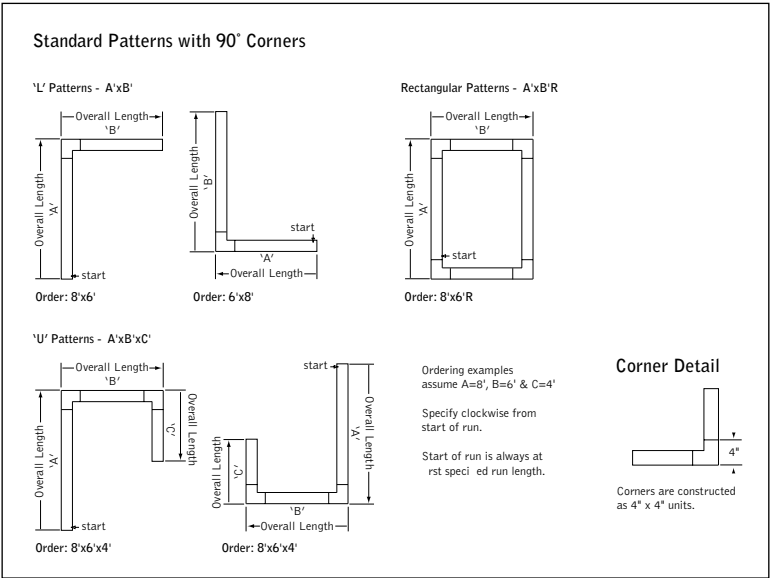
DISTRIBUTIONS



fixture:

project:

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 both 80 and 90 CRI options. 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: 15lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick 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 Battery

Emergency output - 10 watts for 90 minutes.

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 470,000 hours
L90 at >61,000 hours L90 at 115,000 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.




PERFORMANCE CHARTS

See pages 3 & 4.

ORDERING

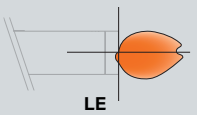
Luminaire Series	FSM1BW
Seem 1 LED	FSM1BW
Shielding	
Asymmetric Optic top/Asymmetric Lens bottom	ASAS
Asymmetric Optic top/Flush Lens bottom	ASFL
Asymmetric Optic top/0.5" Pop-Down Lens bottom	ASPD05
Dust Cover top/Asymmetric Lens bottom	DCAS
Dust Cover top/Flush Lens bottom	DCFL
Dust Cover top/Pop-Down Lens bottom	DCPD05
Direct Distribution	
125 Lumens per foot (Consult factory for Lutron and DALI)	125DN
250 Lumens per foot	250DN
375 Lumens per foot	375DN
500 Lumens per foot	500DN
625 Lumens per foot	625DN
Indirect Distribution	
125 Lumens per foot (Consult factory for Lutron and DALI)	125UP
250 Lumens per foot	250UP
375 Lumens per foot	375UP
500 Lumens per foot	500UP
625 Lumens per foot	625UP
800 Lumens per foot*	800UP
1000 Lumens per foot* (*Not available with DALI)	1000UP
Color Temperature	
3000K, 80CRI or 90 CRI	30K or 930K
3500K, 80CRI or 90 CRI	35K or 935K
4000K, 80CRI or 90 CRI	40K or 940K
Circuits & Zones	
1 Circuit, non-emergency	1C
2 non-emergency circuits provide independent control of Direct and Indirect sources	2C
Consult Ordering Guide on page 5 for multiple circuiting and zoning options	_C_Z_DL
Voltage	
120/277 UNV Volt	UNV
347 Volt (LD1 driver 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 (625 lumens per foot max)	D11
Mounting	WM
Wall Mount	WM
Factory Options	
(See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD.)	
Lit End Caps (Pair, adds 2" to overall luminaire length. ASFL & DCFL shielding only. Not available with P35K.)	LE
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack†	_EM
Emergency Control Device† †(5' minimum length. 120/277 Volt only.)	_ECD
Finish	
(See finishes page for The Naturals options)	
Black	BK
Titanium Silver	TS
Matte White Housing	WH
Luminaire Length	ft in
Specify luminaire/row length in 1" increments (4" minimum. Leave blank for patterns. Smaller increments available, consult factory.)	_ft_in
Pattern Options	
(4" minimum length)	
'L' pattern	A' x B'
'U' pattern	A' x B' x C'
Rectangular pattern	A' x B' R
(Consult factory for other pattern options)	

4' PERFORMANCE CHART

				Lumens Per Watt (LPW)											
Direct Distribution	Indirect Distribution	Distribution % (Direct/ Indirect)	Total Delivered Lumens	Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
125DN	125UP	50/50	1000	11	91	11	91	11	91	11	91	11	91	11	91
	250UP	33/67	1500	13	112	13	112	13	112	13	113	13	114	13	113
	375UP	25/75	2000	16	124	16	125	16	124	16	126	16	126	16	126
	500UP	20/80	2500	19	130	19	130	19	130	19	132	19	133	19	132
	625UP	17/83	3000	22	134	22	134	22	134	22	136	22	137	22	136
	800UP	14/86	3700	27	137	27	137	27	137	26	140	26	140	26	140
	1000UP	11/89	4500	34	134	34	134	34	134	33	137	33	137	33	137
250DN	125UP	67/33	1500	14	111	14	105	14	107	14	111	14	105	14	107
	250UP	50/50	2000	16	126	17	120	16	122	16	127	16	122	16	123
	375UP	40/60	2500	19	134	19	129	19	131	18	136	19	131	19	132
	500UP	33/67	3000	22	138	22	134	22	135	21	140	22	136	22	137
	625UP	29/71	3500	25	140	26	136	25	138	25	143	25	139	25	140
	800UP	24/76	4200	30	142	30	139	30	140	29	145	30	141	29	143
	1000UP	20/80	5000	36	138	37	136	37	137	35	141	36	139	36	140
375DN	125UP	75/25	2000	16	123	17	115	17	117	16	123	17	115	17	117
	250UP	60/40	2500	19	134	20	127	19	129	18	135	20	128	19	130
	375UP	50/50	3000	21	140	22	134	22	136	21	142	22	135	22	137
	500UP	43/57	3500	24	143	26	137	25	139	24	145	25	139	25	141
	625UP	38/62	4000	28	144	29	139	28	141	27	147	28	141	28	143
	800UP	32/68	4700	32	145	33	141	33	142	32	148	33	143	32	145
	1000UP	25/75	5500	39	141	40	138	40	139	38	144	39	141	39	142
500DN	125UP	80/20	2500	19	128	21	120	20	122	19	128	21	120	20	122
	250UP	67/33	3000	22	137	23	129	23	131	22	138	23	130	23	132
	375UP	57/43	3500	25	143	26	135	26	137	24	144	26	136	25	138
	500UP	50/50	4000	28	145	29	138	29	139	27	146	29	139	28	141
	625UP	44/56	4500	31	146	32	139	32	141	30	148	32	141	31	143
	800UP	38/62	5200	35	147	37	141	36	143	35	149	36	143	36	145
	1000UP	33/67	6000	42	143	43	138	43	139	41	145	43	141	42	142
625DN	125UP	83/17	3000	23	132	25	122	24	125	23	132	25	122	24	125
	250UP	71/29	3500	25	139	27	130	26	132	25	140	27	131	26	133
	375UP	60/40	4000	28	144	30	135	29	137	28	145	29	136	29	138
	500UP	56/44	4500	31	145	33	137	32	140	31	147	32	139	32	141
	625UP	50/50	5000	34	146	36	139	35	141	34	148	36	141	35	143
	800UP	44/56	5700	39	147	41	140	40	142	38	149	40	143	39	144
	1000UP	35/65	6500	45	143	47	138	47	139	45	146	46	140	46	142

*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%.

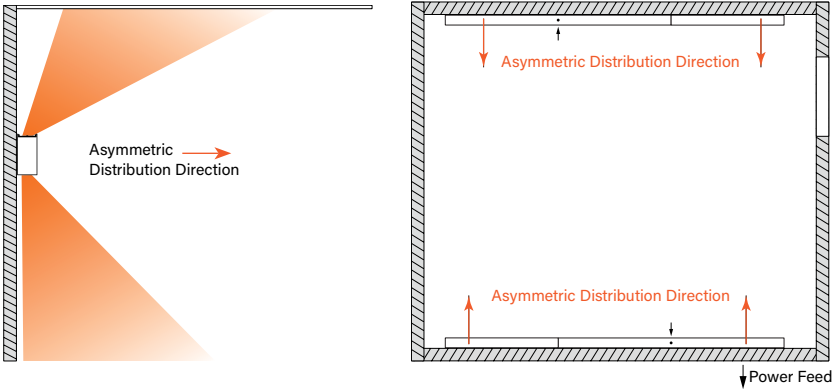
LIT END CAP PERFORMANCE CHART

Direct Distribution	Delivered Lumens Per End Cap	Tested System Watts Per End Cap	Lumens Per Watt (LPW)
			
125LF	55	0.5	110
250LF	115	0.8	138
375LF	172	1.3	138
500LF	229	1.6	145
625LF	291	2.1	140

Based on 3500K. Lumen multipliers: 90 CRI = 0.87. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%
Tested System Watts is not incremental, but the portion of overall wattage consumed by the Lit End Cap module

ASYMMETRIC OPTIC / ASYMMETRIC LENS

Standard Application Example



Finishes



STANDARD FINISHES



THE NATURALS (25% SCALE)



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.

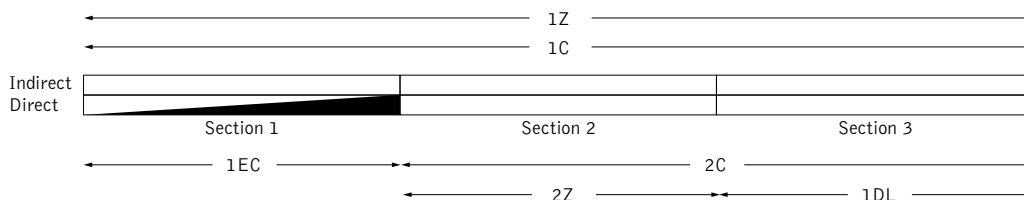
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.