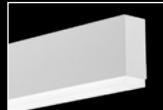
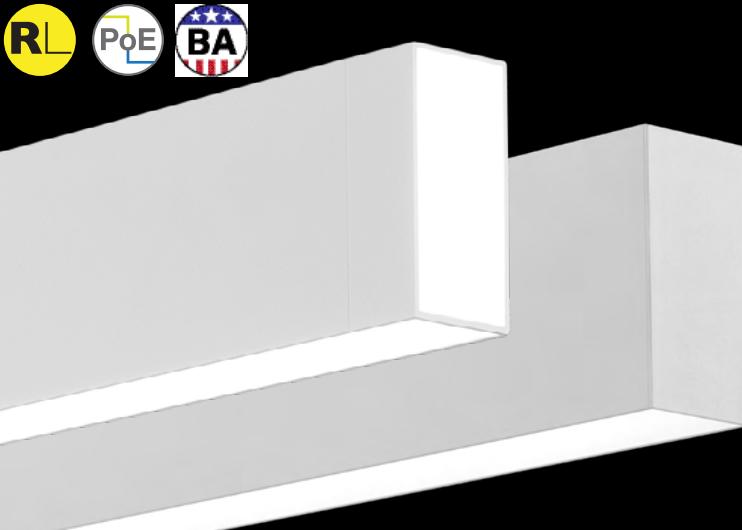


Seem® 1

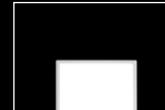
LED DIRECT WALL MOUNT



Pop-Down Lens



Corner detail

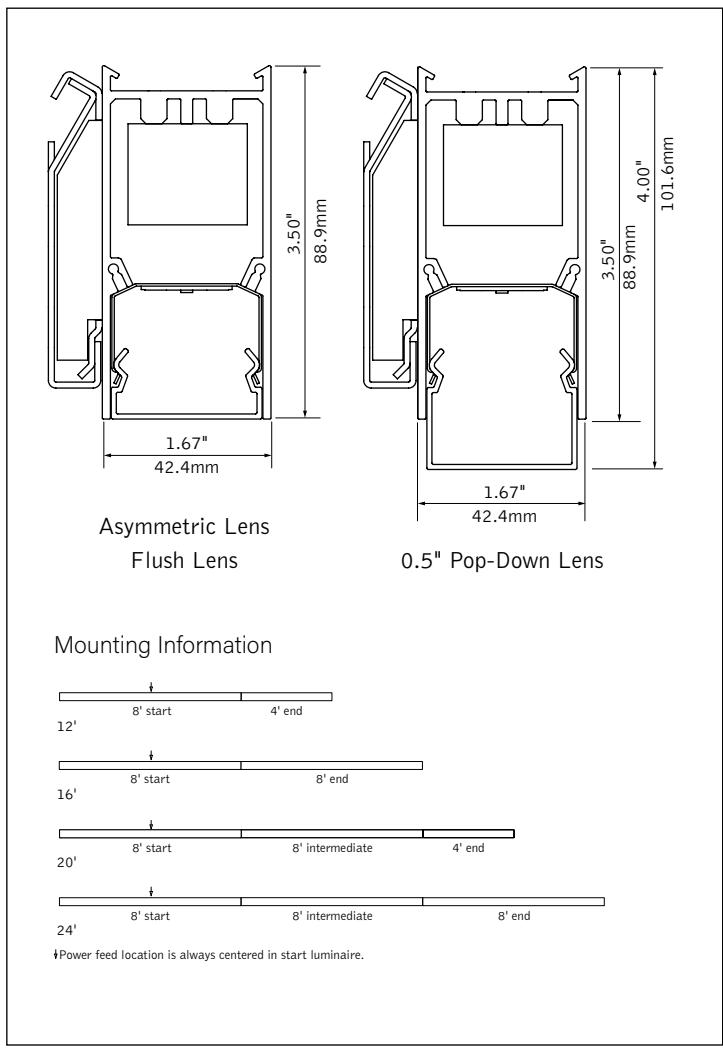


lit end cap detail



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.

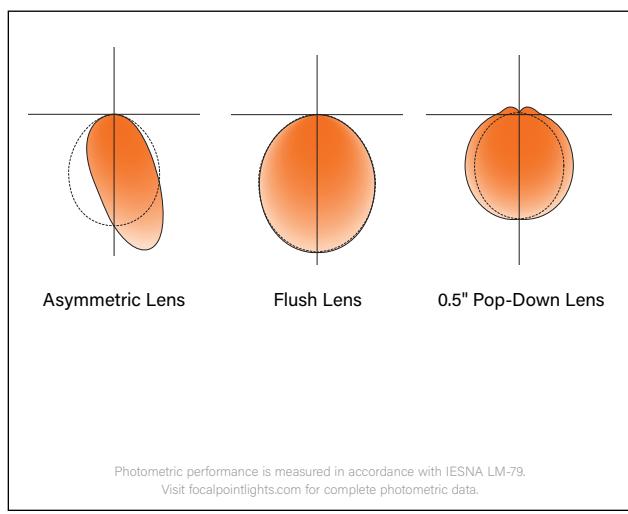
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

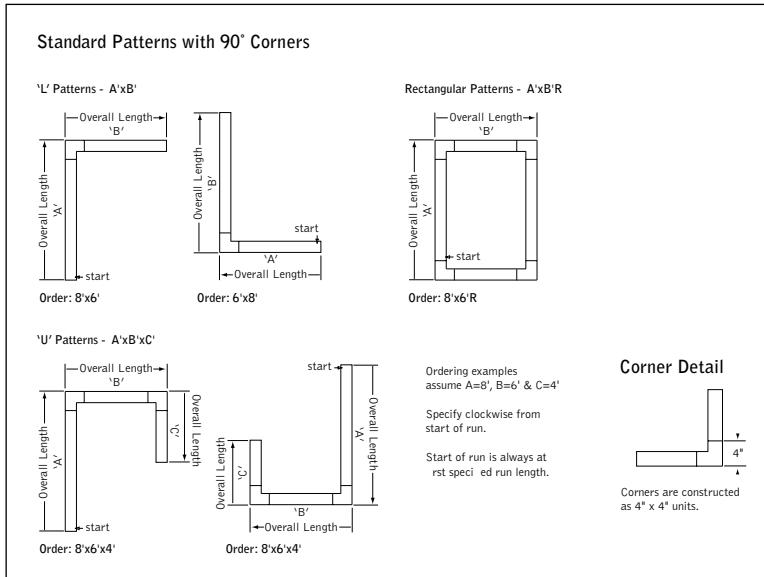
Choice of output levels to meet a wide variety of application needs.

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



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
L90 at >61,000 hours

Calculated: L70 at 470,000 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 page 3.

ORDERING

Luminaire Series Seem 1 LED **FSM1W** **FSM1W**

Shielding

Asymmetric Lens **AS**

Flush Lens **FL**

Pop-Down Lens **PD05**

Lumen Output

125 Lumens per foot **125LF**
(4' minimum length. Consult factory for Lutron, DALI)

250 Lumens per foot **250LF**
(3' minimum length)

375 Lumens per foot **375LF**

500 Lumens per foot **500LF**

625 Lumens per foot **625LF**

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**

Consult Ordering Guide on page 4 for multiple circuiting and zoning options **_C_Z_DL**

Voltage

120/277 UNV Volt **UNV**

347 Volt **347**
(LD1 driver only)

Low Voltage **LV**

Control System & Dimming Level

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) - **LH1**

1% Dimming **D11**

DALI 1% Dimming **WM**

Mounting

Wall Mount **WM**

Factory Options

(See Ordering Guide on page 4 for ordering details for DC, EC, EM & ECD.)

Lit End Caps **LE**

(Pair, adds 2" to overall luminaire length. FL shielding only. Not available with P35K.)

Daylight Circuit **DC**

Emergency Circuit **EC**

Emergency Battery Pack[†] **EM**

Emergency Control Device[†] **ECD**

([†](4' minimum length. 120/277 Volt only.)

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 **ft_in**

(2' minimum. Leave blank for patterns. Smaller increments available, consult factory.)

Pattern Options

(3' 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

Lumen Output	Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)			
			AS	Tested System Watts	FL	Tested System Watts
125LF	500	5	95	6	89	6
250LF	1000	8	119	9	110	9
375LF	1500	11	131	13	119	13
500LF	2000	15	134	16	121	17
625LF	2500	18	135	20	122	21

Based on 3500K, 4' length. 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

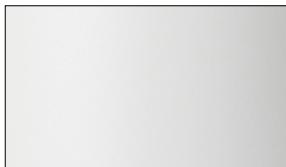
Lumen Output	Delivered Lumens Per End Cap	Tested System Watts Per End Cap	Lumens Per Watt (LPW)	
			LE	LE
125LF	55	0.5	110	
250LF	115	0.8	138	
375LF	172	1.3	138	
500LF	229	1.6	145	
625LF	291	2.1	140	

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.

Finishes



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

HOW TO USE THIS GUIDE

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.

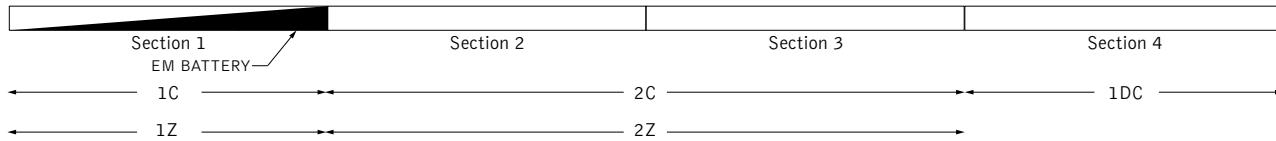
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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			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



WORKSHEET	TOTAL RUN LENGTH:		JOB NAME: _____			Fixture Type: _____		
	HOUSING SECTION	SECTION LENGTH	Shared Electrical Feed, Normal Power			Factory Options		
			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								

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.