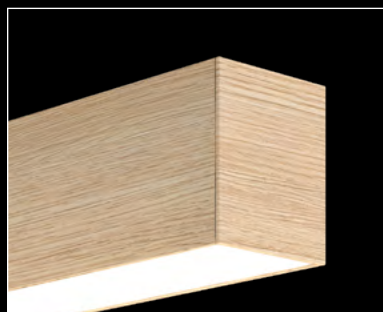


Seem® 4

LED - SURFACE MOUNT | WET LOCATION



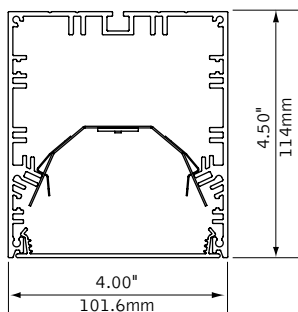
The Naturals collection - Light Oak shown



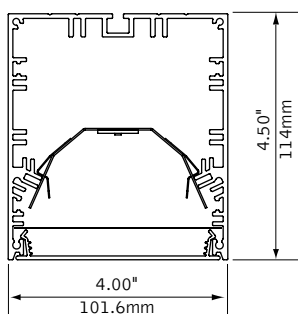
recessed
companion

DIMENSIONAL DATA

Individual Unit



Continuous Run



FEATURES

Narrow extruded aluminum 4" linear direct LED.

Individual units and continuous runs in 1' increments.

Available in flush, asymmetric, asymmetric room fill or batwing, lens.

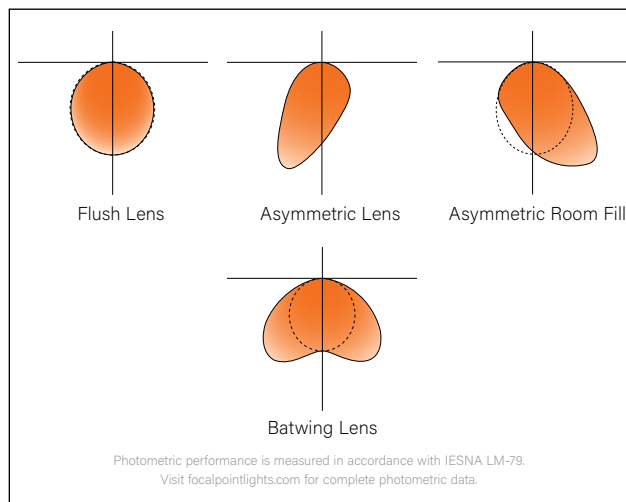
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

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

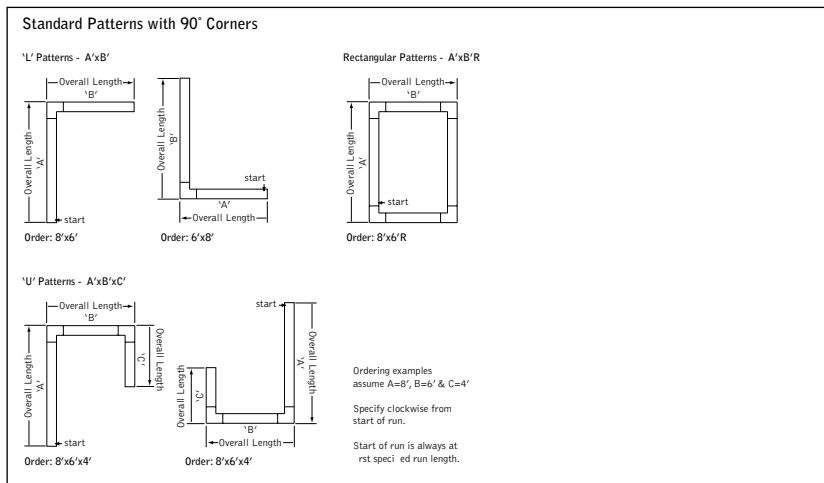
PERFORMANCE



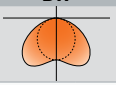
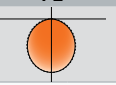
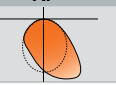
fixture:

project:

DETAILS



4' PERFORMANCE CHART

Lumen Output	Nominal Lumens	BW		FL		AS		AF	
									
		Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.2	120	9.4	117	8.9	123	9.0	122
375LF	1500	11.7	129	12.0	125	11.3	133	11.4	131
625LF	2500	18.8	133	19.3	129	18.1	138	18.3	137
875LF	3500	27.3	128	28.1	124	26.3	133	26.6	132
1000LF	4000	31.4	127	32.4	123	30.2	133	30.6	131
1125LF	4500	35.7	126	36.9	122	34.3	131	34.7	130
1250LF	5000	40.1	125	41.4	121	38.4	130	39.0	128

Based on 3500K, 80 CRI, 4' lengths. Lumen multiplier: 90+ CRI = 0.87 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

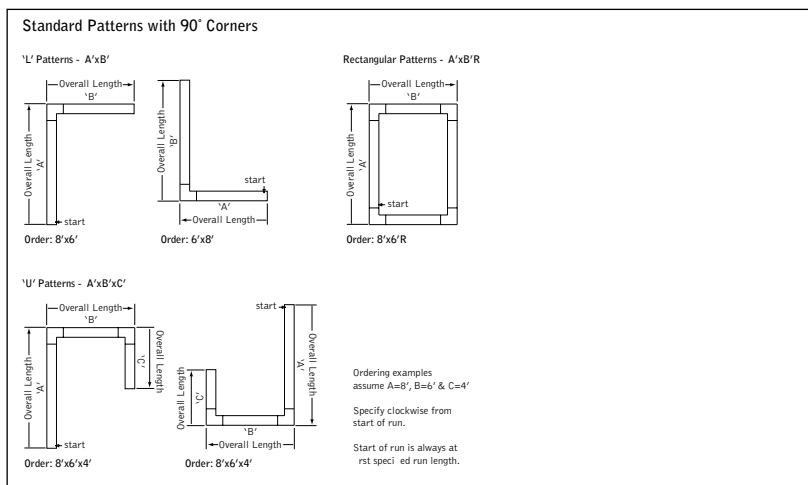
STANDARD WHITE

Luminaire Series		FSM4LWLS
Seem 4 LED Wet Location		FSM4LWLS
Shielding		
Asymmetric Lens*		AS
Asymmetric Room Fill*		AF
Batwing Lens*		BW
Flush Satin Lens		FL
(*individual units only)		
Lumen Output		
275 Lumens per foot (LD1 & L11 only)		275LF
375 Lumens per foot (LD1 & L11 only)		375LF
625 Lumens per foot (3' minimum with LH1)		625LF
875 Lumens per foot		875LF
1000 Lumens per foot		1000LF
1125 Lumens per foot		1125LF
1250 Lumens per foot		1250LF
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 3 for multiple circuiting and zoning options		_C_Z_DL
Voltage		
120/277 UNV Volt		UNV
Control System & Dimming Level		
0-10V - 10% Dimming		LD1
0-10V - 1% Dimming		L11
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming (3' minimum length)		LH1
Mounting		
Surface Mount		SM
Factory Options		
(See 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.)		
IP65 Rated (individual units only)		IP65
NSF Listed		NSF
Outdoor Rated		OD
(LD1 only. Not available with EM.)		
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 length.)		X'
Pattern Options		
(3' minimum length)		
'L' pattern		A' x B'
'U' pattern		A' x B' x C'
Rectangular pattern		A' x B'R

fixture:

project:

DETAILS



TW 4' PERFORMANCE CHART

		LPW									
		BW		FL		AS		AF			
		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts			
Lumen Output	Nominal Lumens	275LF	1100	10.8	101	11.2	98	10.7	102	10.9	101
375LF	1500	14.4	104	14.8	101	13.9	108	14.1	106		
625LF	2500	23.8	105	24.5	102	23.6	106	23.9	105		
875LF	3500	35.2	100	36.2	97	33.6	104	34.0	103		
1000LF	4000	40.5	99	41.5	96	38.8	103	39.4	102		
1125LF	4500	46.0	98	47.2	95	44.1	102	44.7	101		

Based on 2700K, 90CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen Multipliers

CRI	Multiplier
80+	1.16
90+	1.00

Wattage Multipliers

CCT	Multiplier
2700K	1.00
3000K	0.96
3500K	0.92
4000K	0.89
5000K	0.88
5700K	0.87



TUNABLE WHITE

Luminaire Series

Seem 4 LED Wet Location FSM4LWLS

Shielding

Asymmetric Lens* AS
Asymmetric Room Fill* AF
Batwing Lens* BW
Flush Satin Lens FL
(*individual units only)

Lumen Output

275 Lumens per foot 275LF
(3' min. with D1TW)
375 Lumens per foot 375LF
625 Lumens per foot 625LF
875 Lumens per foot 875LF
1000 Lumens per foot 1000LF
1125 Lumens per foot 1125LF

Color Temperature

Tunable White: 2700-6500K, 80+ CRI 2765T
Tunable White: 2700-6500K, 90+ CRI 92765T

Circuits & Zones

1 Circuit, non-emergency 1C
Consult Ordering Guide on page 3 for multiple circuiting and zoning options _C_Z_DL

Voltage

120/277 UNV Volt UNV

Control System & Dimming Level

DALI - 1% Dimming D1TW
(Default driver offers DT6 control. It requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8. Extended lead time applies.)

Mounting

Surface Mount SM

Factory Options

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

Daylight Circuit _DC

Emergency Circuit _EC

Emergency Battery Pack† _EM

Emergency Control Device† _ECD

(Consult factory)

IP65 Rated (individual units only) IP65

NSF Listed NSF

Finish

(See finishes page for The Naturals options)

Black BK

Titanium Silver TS

Matte White Housing WH

Luminaire Length

Specify luminaire/row length X'
in 1' increments
(2' minimum length.)

Pattern Options

(3' minimum length)

'L' pattern A' x B'

'U' pattern A' x B' x C'

Rectangular pattern A' x B'R

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 or Tunable White (2700K-6500K), CRI>80, >90. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. Die cast aluminum end caps. 2' unit weight: 10 lbs., 3' unit weight: 14 lbs., 4' unit weight: 18 lbs., 5' unit weight: 22 lbs.

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.

Emergency

Output - 10 watts for 90 minutes. Maximum mounting height: 19.2ft.

Labels

UL and cUL Listed. Suitable for Dry, Damp or Wet Locations, indoor use only. Specify Outdoor rated (OD) for outdoor covered ceiling applications. Outdoor rating not available with Tunable White. IP65 per IEC 60529 ensures that the enclosure is dust-tight and protected against jet streams of water from any direction without any harmful effects.

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 > 61,000 hours
L90 > 61,000 hours

Calculated: L70 at > 480,000 hours
L90 at > 128,000 hours

(Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.)

Reliability

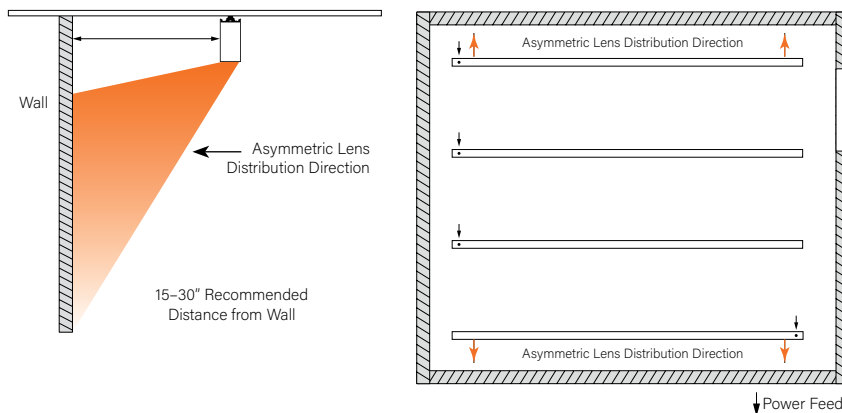
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED System rated for operation in ambient environments up to 25°C. 5-year limited warranty. Fixture with Outdoor rated (OD) option must be installed in a covered ceiling and is warranted for operation in ambient environments between -20°C to +40°C.

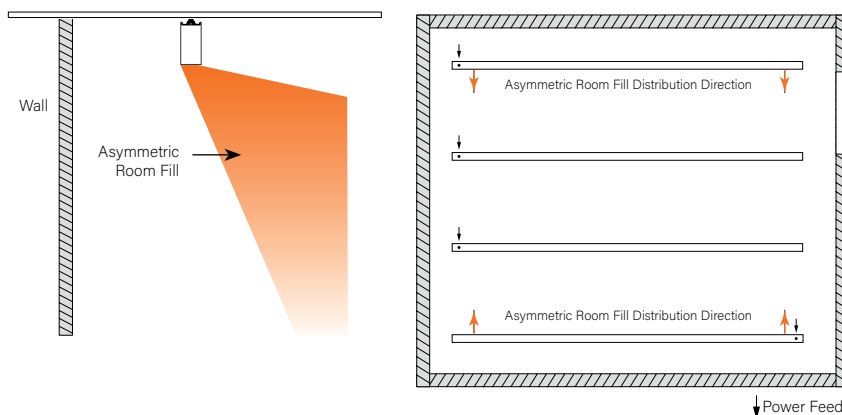
DIRECT ASYMMETRIC

Standard Application Example



DIRECT ASYMMETRIC ROOM FILL

Standard Application Example



Finishes

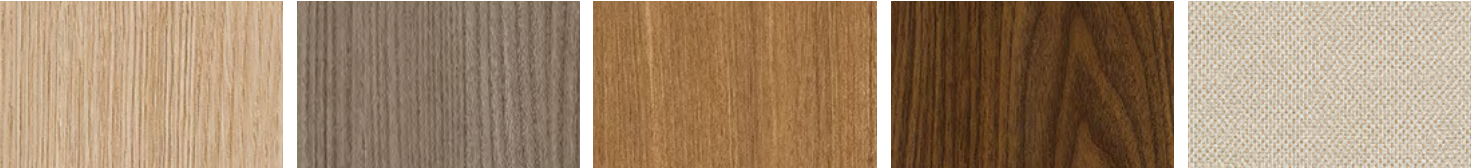


STANDARD FINISHES



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.

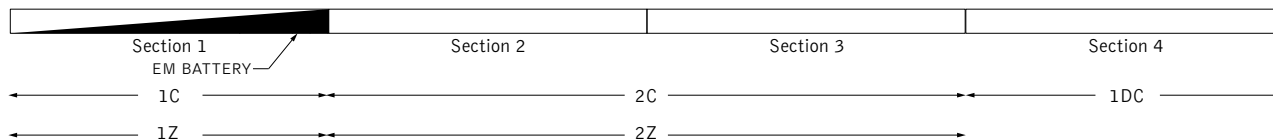
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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			
						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

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

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



TOTAL RUN LENGTH: _____		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								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering Codes								

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.