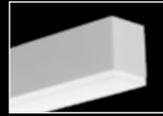
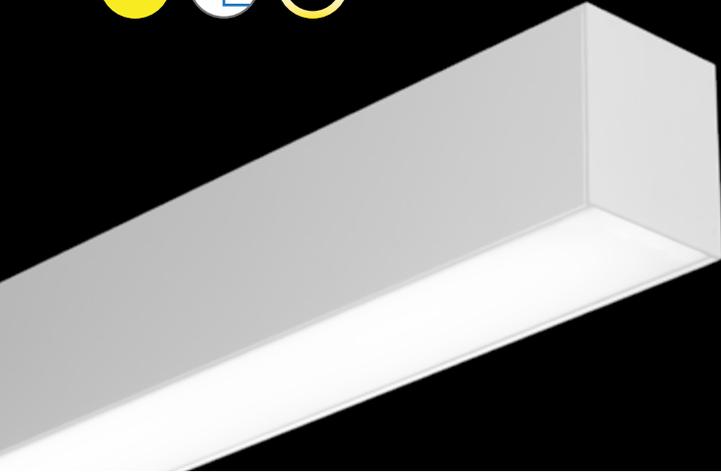


Seem® 4

LED WALL MOUNT



0.5" pop-down lens



recessed companion



wall to ceiling companion

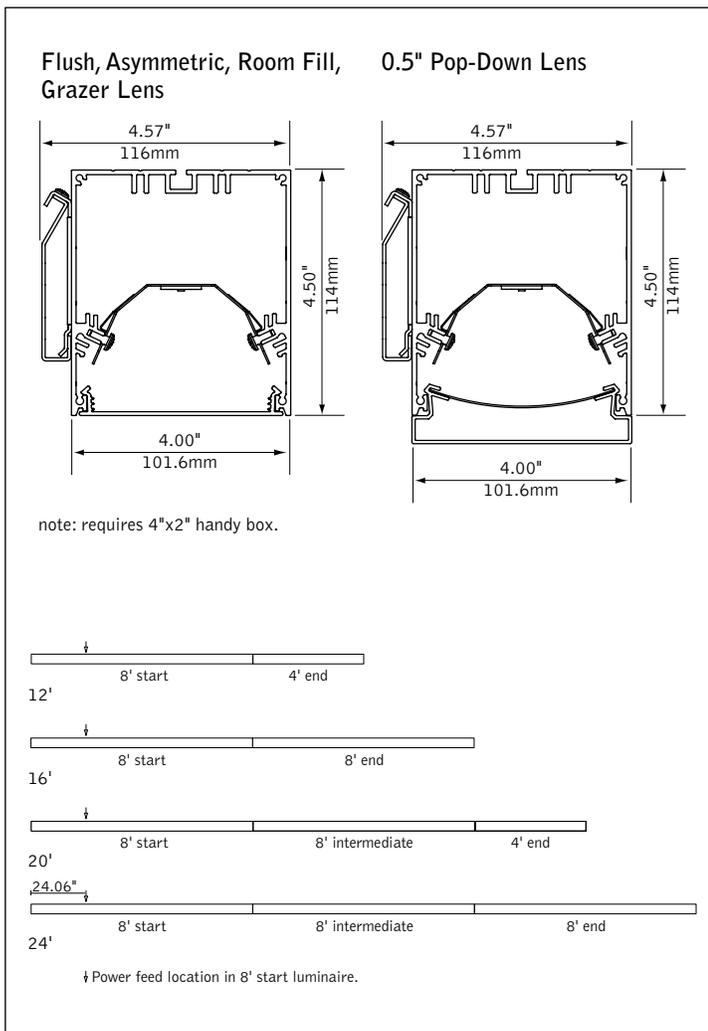


suspended companion



perimeter companion

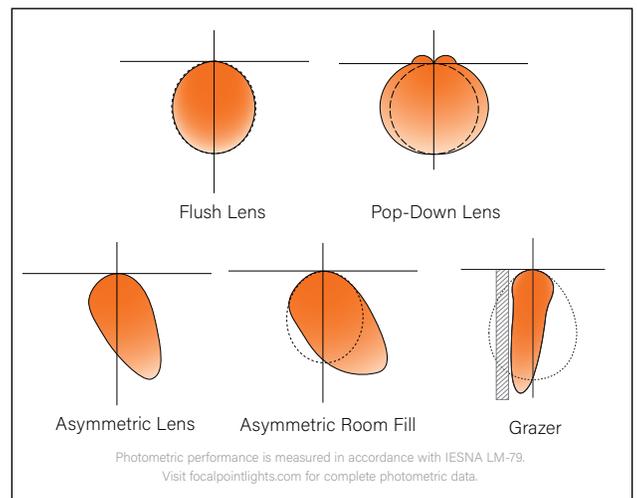
DIMENSIONAL DATA



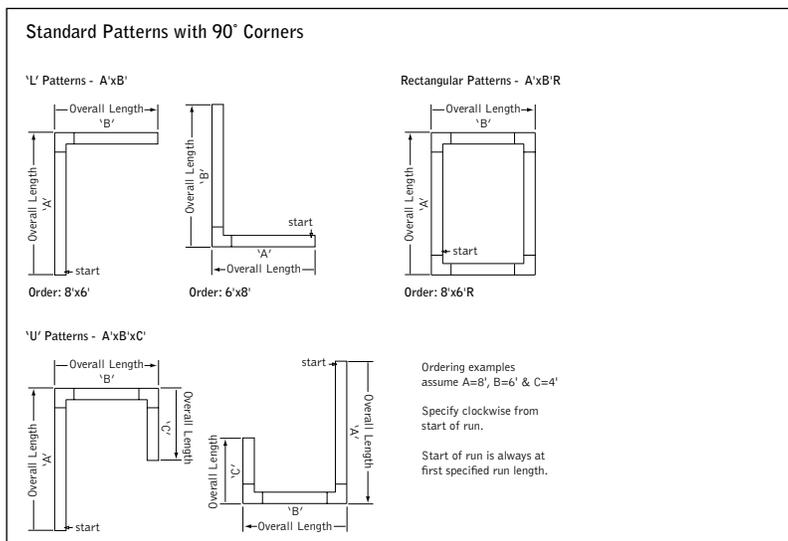
FEATURES

- Narrow extruded aluminum 4" wall mount direct LED.
- Individual units and continuous runs in 1' increments.
- Available in flush, asymmetric, asymmetric room fill, grazer or 0.5" pop-down lens.
- Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.
- 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.
- PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PERFORMANCE



MOUNTING INFORMATION



4' PERFORMANCE CHART

Lumen Output	Nominal Lumens	Tested System Watts	LPW			
			FL	AS	AF	GR
275LF	1100	9.5	106	114	114	105
375LF	1500	12.5	114	123	123	114
625LF	2500	21.4	113	122	122	113
875LF	3500	30.4	113	122	122	111
1000LF	4000	35.0	112	121	121	110
1125LF	4500	39.6	111	119	119	109
1250LF	5000	43.5	110	119	118	108

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

4' PERFORMANCE CHART - POP-DOWN

Lumen Output	Nominal Lumens	0.5"	
		Tested System Watts	LPW
275LF	1100	12.5	89
375LF	1500	16.7	91
625LF	2500	29.8	88
750LF	3000	36	81
875LF	3500	40.6	91
1000LF	4000	52	77

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

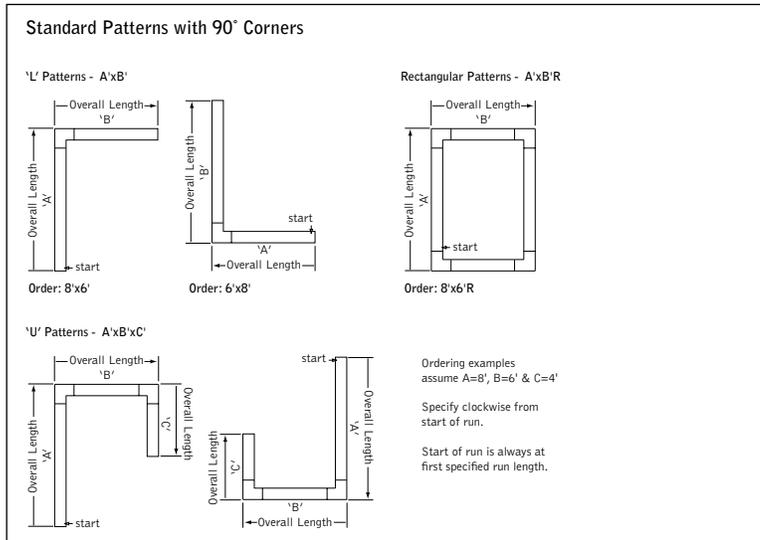
STANDARD WHITE

Luminaire Series	FSM4LW
Seem 4 LED	FSM4LW
Shielding	
Asymmetric Lens	AS
Asymmetric Room Fill	AF
Flush Satin Lens	FL
Grazer	GR
0.5" Pop-Down Lens (1000LF max.)	PD05
Lumen Output	
275 Lumens per foot (Not available with Lutron Drivers.)	275LF
375 Lumens per foot (Not available with LH1 Drivers)	375LF
625 Lumens per foot (3' minimum with LH1 Drivers)	625LF
750 Lumens per foot (Pop-Down Lens only)	750LF
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
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 LM or EC. LV Voltage only.)	LVN
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1
DALI 1% Dimming	D11
Mounting	
Wall Mount	WM
Factory Options (See Ordering Guide on page 3 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.)	
Finish	
Black	BK
Titanium Silver	TS
Matte White Housing	WH
Luminaire Length (Leave blank for patterns. Lengths are nominal)	
Specify luminaire/row length in ' increments (2' minimum length. Smaller increments available. Consult factory for details.)	X'
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)	



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

MOUNTING INFORMATION



TW 4' PERFORMANCE CHART

Lumen Output	Nominal Lumens	Tested System Watts	FL
275LF	1100	13.30	83.2
375LF	1500	17.34	86.5
625LF	2500	27.84	89.5
875LF	3500	37.22	94.2
1000LF	4000	42.39	94.4
1125LF	4500	50.27	89.4

Based on 2700K, 80CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

TW 4' PERFORMANCE CHART - POP-DOWN

Lumen Output	Nominal Lumens	0.5"	
		Tested System Watts	LPW
275LF	1100	17.14	64.7
375LF	1500	22.79	66.5
625LF	2500	35.49	70.6
750LF	3000	42.39	70.8

Based on 2700K, 80CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen Multipliers

CRI	Multiplier
80+	1.00
90+	0.89

Wattage Multipliers

CCT	Multiplier
2700K	1.00
3000K	0.92
3500K	0.88
4000K	0.86
5000K	0.85
5700K	0.87
6500K	0.90



TUNABLE WHITE

Luminaire Series	Seem 4 LED	FSM4LW
Shielding	Flush Satin Lens	FL
	0.5" Pop-Down Lens (750LF max.)	PD05
Lumen Output	275 Lumens per foot (FL 3' min. with DTTW, FL 4' min. with LT1, PD05 3' min. with LT1)	275LF
	375 Lumens per foot (3' min with LT1)	375LF
	625 Lumens per foot	625LF
	750 Lumens per foot (Pop-Down Lens only)	750LF
	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	Lutron T-Series - 1% Dimming	LT1
	DALI 1% Dimming	DITW
	(DT6 control. Requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT6.)	
Mounting	Wall Mount	WM
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)	
Finish	Black	BK
	Titanium Silver	TS
	Matte White Housing	WH
Luminaire Length	(2' minimum length. Smaller increments available. Consult factory for details. Lengths are nominal. Leave blank for patterns)	
	Specify luminaire/row length in 1' increments	X'
Pattern Options	(3' min. length. Consult factory for other pattern option.)	
	'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. 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. 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. 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

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

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 > 61,000 hours	Calculated: L70 at > 480,000 hours
L90 > 61,000 hours	L90 at > 128,000 hours

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

Reliability

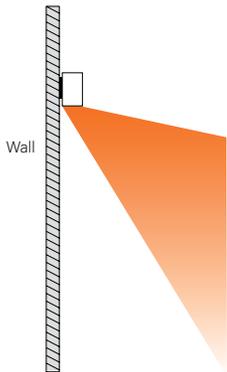
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

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

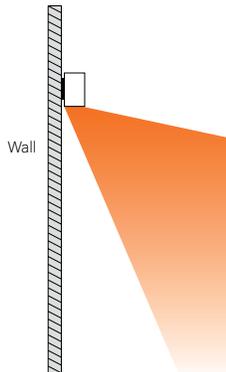
DIRECT ASYMMETRIC

Standard Application Example



DIRECT ASYMMETRIC ROOM FILL

Standard Application Example

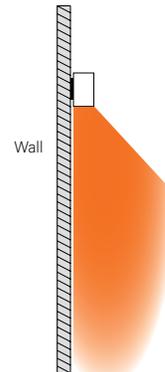


Asymmetric Room Fill Lens

The asymmetric room fill optic projects light into the space to evenly illuminate horizontal planes. It is ideal to light rooms and corridors from the perimeter, resulting in superior efficacy and uniformity on the floor.

DIRECT GRAZER

Standard Application Example



Grazer Lens

The grazer optic closely grazes walls, highlighting textures and architectural details. It is intended to provide even illumination and deliver maximum visual impact on the vertical surfaces.

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.

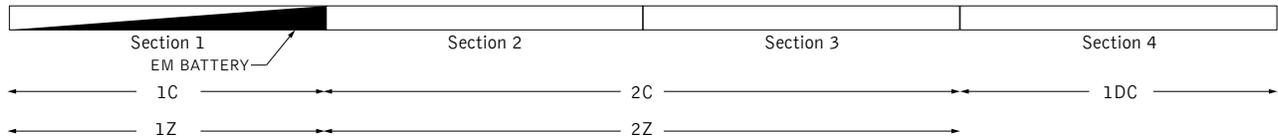
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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>32ft</u>		JOB NAME: _____			FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
					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



FOCAL POINT®

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	SEPARATE ELECTRICAL FEEDS			
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.