

Seem® 6 Grid Ceiling

LED



regressed lens

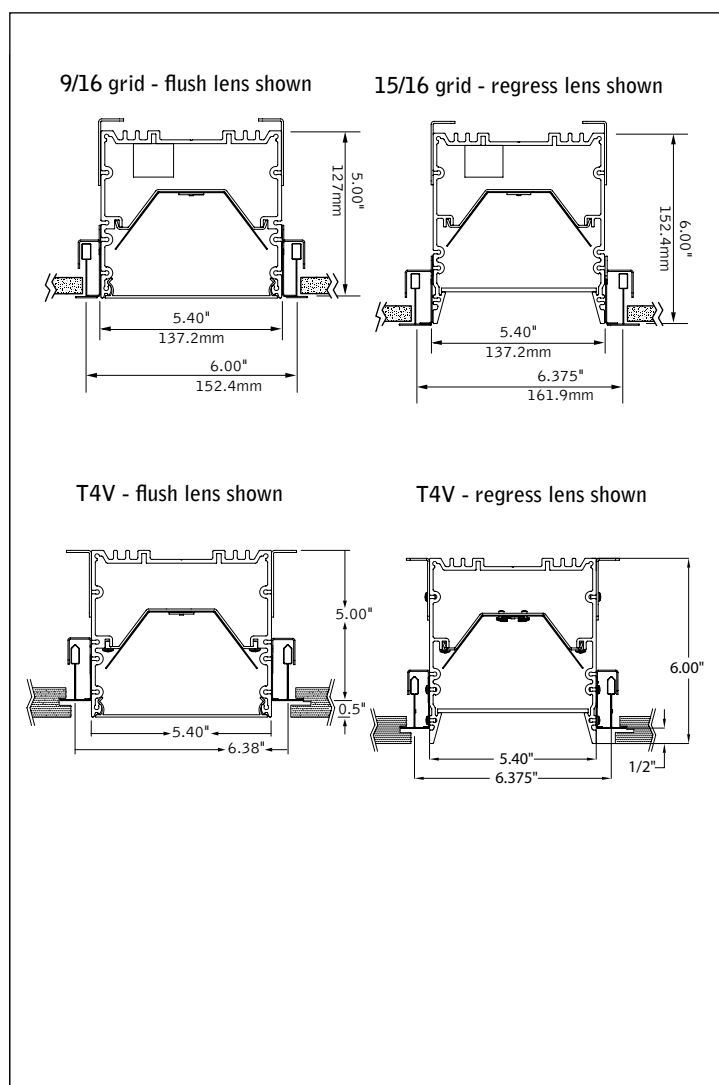


end detail



drywall/hard
ceiling companion

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 6" aperture recessed slot LED.

Integrates with ceiling for a clean, unobtrusive aesthetic.

Compatible with common pre-engineered grid ceiling systems requiring luminaires fitting into a 6" slot.

Individual units and continuous runs in 1" increments.

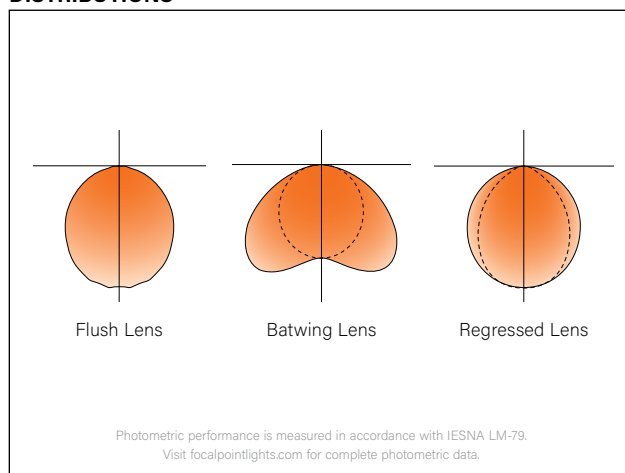
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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

Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

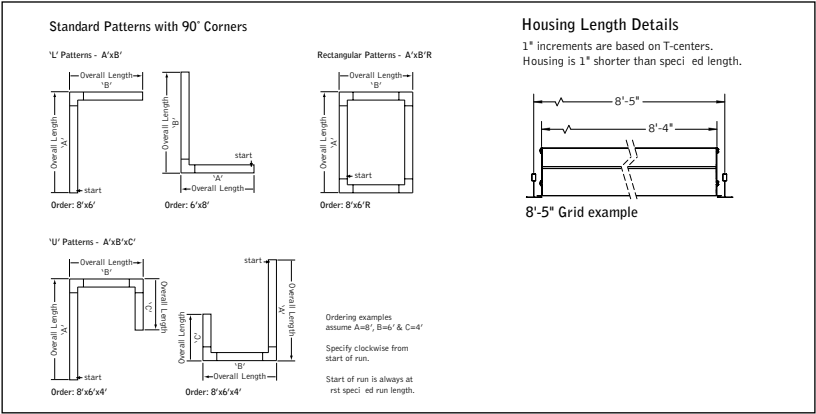
DISTRIBUTIONS



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 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 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. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 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

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 18.8ft. Emergency Circuit with Connected Solutions (WSPC, WSPS, NLT1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

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 > 350,000 hours
L90 > 61,000 hours L90 at > 90,000 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

ORDERING		
Luminaire Series		FSM6L
Seem 6 LED		FSM6L
Shielding		
Batwing Lens		BW
Flush Lens		FL
Regressed Lens*		SR
Regressed High Performance Lens*		SRXP
*(Ceiling applications only)		
Lumen Output		
375 Lumens per foot	(Not available with LH1.)	375LF
625 Lumens per foot	(4' minimum with LH1. Patterns not available with LH1.)	625LF
875 Lumens per foot	(3' minimum with LH1. Patterns not available with LH1.)	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 4 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 EM or EC. LV Voltage only.)	LVN
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming		LH1
DALI 1% Dimming	(1000LF max. Not available with patterns)	D11
Wattstopper PLUS**		WSPC
Connected Light Module	(0-10V standard. Consult Factory for DALI)	
Wattstopper PLUS**		WSPS
SensiLUM Wireless Sensor	(0-10V standard. Consult Factory for DALI)	
Acuity nLight - 1% Dimming**	(Not available with CP)	NLT1
Current NX Enabled - 1% Dimming**	(Not available with CP)	NXE1
WaveLinux Pro - 1% Dimming**	See sensor layout guide	WLXP
**(Consult factory for specific configuration compatibility.)		
Ceiling Configurations		
Std. 15/16" Lay-in or Std. 15/16" Tegular		G1 or T1
Std. 9/16" Lay-in or Std. 9/16" Tegular		G2 or T2
9/16" Slot-tee Tegular		G3
Tall 15/16" Lay-in or Tall 15/16" Tegular		G4 or T4
Tall 15/16" Tegular for specialty ceilings	(0.5" drop)	T4V
Tall 9/16" Lay-in or Tall 9/16" Tegular		G5 or T5
Node 9/16" Tegular		T6
Factory Options		
(See Ordering Guide on page 4 for ordering details for DC, EC, EM & ECD.)		
Chicago Plenum	(Not available with Flex Whip)	CP
Daylight Circuit		_DC
Emergency Circuit		_EC
Emergency Battery Pack†		_EM
Emergency Control Device†		_ECD
†(4' minimum. 6' minimum with patterns. 120/277 Volt only. Not available at corners.)		
6' New York City Flex Whip (120V)		FNY1
6' New York City Flex Whip (277V)		FNY2
6' Flex Whip		FW
Finish		WH
Matte White Housing		WH
Luminaire Length		
Specify luminaire/row length in 1" increments	(2' minimum, lengths are nominal 1" increments based on T-centers. Housing length is 1" shorter than specified. 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)		

		FL		BW		SR		SRXP	
Lumen Output	Delivered Lumens	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
375LF	1500	13	115	12	127	13	111	12	124
625LF	2500	21	118	19	131	23	110	19	129
875LF	3500	31	112	28	126	32	108	28	123
1000LF	4000	36	111	32	125	37	107	33	122
1125LF	4500	41	110	36	124	42	107	37	121
1250LF	5000	45	110	41	123	47	106	42	120

Declare.

Seem Linear Luminaires
Focal Point, LLC

Final Assembly: Chicago, IL, USA
Life Expectancy: 10 Year(s)
End of Life Options: Recyclable (55%), Landfill (45%)

Ingredients:

Aluminum Alloy 6063; UNS G10080 Steel Alloy; Small Electrical Components - RoHS Compliant¹; Copper; Polymethyl methacrylate; Steel; Poly[imino(1,6-dioxo-1,6- hexanediyl)imino-1,6-hexanediyl]; **Polyvinyl chloride**; Aluminum Alloy 6061; UNS S30400 Stainless Steel Alloy; Steel manufacture, chemicals; 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate; Nylon 6; **Benzene, ethenyl-, homopolymer, brominated; Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)**; Tris(2-ethylhexyl) trimellitate; Zinc; Methyl methacrylate; Antimony oxide (Antimony trioxide); Kaolin, calcined; Octadecanoic acid, calcium salt; Steel, carbon

¹LBC Temp Exception RL-002 - Small Electrical Components

Living Building Challenge Criteria:

I-13 Red List:

☐ LBC Red List Free	% Disclosed: 100% at 100ppm
☐ LBC Red List Approved	VOC Content: Not Applicable
☒ Declared	

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

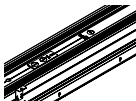
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INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Focal Point provides broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks (Not all compatible networks may be listed.)	Description	Occupancy & Daylight	Communication to Luminaire	Drivers (Primary drivers are listed in bold . To specify a particular driver please consult factory.)	Driver Type
 WATTSTOPPER®									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	WSPS	EN-CLM-PIR-DD-ZB	ZigBee	Wattstopper PLUS	Sensor	Integrated*	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
									
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated†	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify	0-10V
Current®									
 NXE1 adds 0.78" to overall height.	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	Optotronic by eldoLED	0-10V
									
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	eldoLED ECOdrive, eldoLED SOLOdrive	0-10V

†Enabled: Luminaire supplied with a node/controller. Sensor to be provided by others.

*Integrated: Luminaire supplied with an installed sensor.

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.

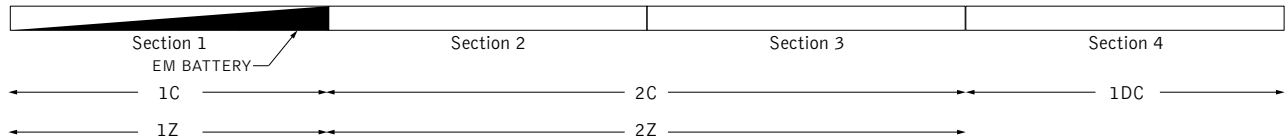
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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								

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.