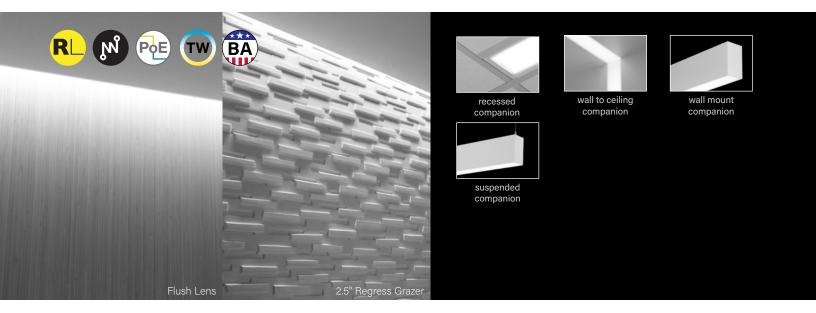
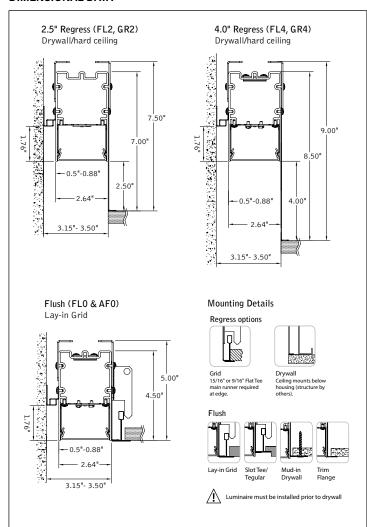
# Seem® 2





# **DIMENSIONAL DATA**



# **FEATURES**

Seem 2 LED perimeter provides a glowing transition between ceiling and wall with flush, 1" regress, 2.5" regress or 4.0" regress lenses.

Easy +/- 3 inch post-installation adjustability for continuous wall-to-wall illumination.

Grazer optic provides even vertical illumination and adds drama to a space by highlighting textured walls and architectural details.

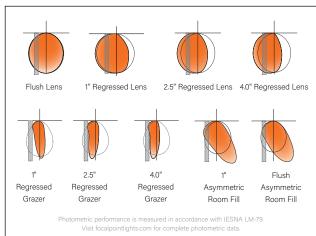
Asymmetric Room Fill optic provides superior efficacy and uniformity to light rooms and corridors from the perimeter.

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

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**



# 4' PERFORMANCE CHART

Shiel	ding	Lumen Output	Delivered Lumens	Tested System Watts	LPW
		125LF	500	5.5	92
		250LF	1000	8.9	112
		375LF	1500	12.2	122
Flush Lens	(    )	625LF	2500	20.5	122
		750LF	3000	24.6	122
		875LF	3500	28.9	121
		1000LF	4000	33.3	120
		125LF	500	5.6	90
	1	250LF	1000	9.2	109
		375LF	1500	12.6	119
1.0" Regress		625LF	2500	21.3	118
		750LF	3000	25.6	117
		875LF	3500	30.1	116
		1000LF	4000	34.7	115
		125LF	500	5.7	88
		250LF	1000	9.5	105
		375LF	1500	13.2	114
2.5" Regress		625LF	2500	22.3	112
		750LF	3000	26.9	112
		875LF	3500	31.6	111
		1000LF	4000	36.5	110
		125LF	500	5.9	85
		250LF	1000	9.7	103
		375LF	1500	13.9	108
1.0" Regress		625LF	2500	23.5	107
		750LF	3000	28.3	106
		875LF	3500	33.4	105
		1000LF	4000	38.6	104
1.0" Regress Grazer		125LF	500	5.9	85
	I	250LF	1000	9.5	105
		375LF	1500	13.0	115
		625LF	2500	20.9	120
		750LF	3000	26.0	116
		875LF	3500	30.4	115
		1000LF	4000	35.0	114
		125LF	500	5.9	84
		250LF	1000	9.7	103
2.0" Regress		375LF	1500	13.3	113
Grazer		625LF	2500	21.4	117
G. G. 20.		750LF	3000	26.6	113
		875LF	3500	31.2	112
		1000LF	4000	36.0	111
		125LF	500	5.9	84
	1	250LF	1000	9.7	103
I.0" Regress		375LF	1500	13.4	112
Grazer		625LF	2500	22.4	111
GIGEOI		750LF	3000	27.1	111
		875LF	3500	31.8	110
		1000LF	4000	36.6	109
		125LF	500	5.6	89
		250LF	1000	8.5	118
Flush		375LF	1500	11.6	130
Asymmetric		625LF	2500	18.6	134
Room Fill		750LF	3000	23.1	130
		875LF	3500	27.1	129
		1000LF	4000	31.1	129
		125LF	500	5.5	90
	1	250LF	1000	8.7	116
1.0" Regress		375LF	1500	11.9	126
Asymmetric		625LF	2500	19.1	131
Room Fill		750LF	3000	23.8	126
		875LF	3500	27.8	126
		1000LF	4000	32.0	125

Based on 3500K, 80CRI, 4' lengths. Lumen multiplier 90+ CRI = 0.86. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%



Options in orange qualify for the Quickship program. 400' total. Refer to Quickship Guide for complete details

Finish Matte White Housing

Specify luminaire/row length in 1" increm-

Specify patterns based on wall-to-wall dimensions (See Pattern Configurations for example)

Example: FSM2LPR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10

 $^\dagger$  4' minimum length with EM or ECD. 120/277 Volt only. EM or ECD not available at corners

**Luminaire Length** 

Pattern Options

WH

ft in

fixture: project:



# 4' PERFORMANCE CHART

Shiel	ding	Lumen Output	Delivered Lumens	Tested System Watts	LPW
		125LF	500	6.3	79
	1	250LF	1000	10.3	97
		375LF	1500	15.6	96
Flush Lens		625LF	2500	26.0	96
		750LF	3000	31.3	96
		875LF	3500	36.7	95
		1000LF	4000	42.3	94
		125LF	500	6.4	78
	1	250LF	1000	10.6	94
		375LF	1500	16.1	93
1.0" Regress		625LF	2500	27.0	93
		750LF	3000	32.5	92
	,	875LF	3500	38.2	92
		1000LF	4000	44.0	91
		125LF	500	6.6	76
		250LF	1000	11.1	90
		375LF	1500	16.8	89
2.5" Regress		625LF	2500	28.3	88
		750LF 875LF	3000	34.1 40.2	88 87
		8/5LF 1000LF	3500 4000	40.2	86
		125LF	500	6.8	73
		250LF	1000	11.2	73 89
		375LF	1500	17.6	85
4.0" Regress		625LF	2500	29.8	84
4.0 Hegress		750LF	3000	36.0	83
		875LF	3500	42.4	83
		1000LF	4000	49.0	82
		125LF	500	6.5	77
	1	250LF	1000	9.9	101
		375LF	1500	14.8	101
1.0" Regress Grazer		625LF	2500	23.8	105
Grazer		750LF	3000	29.6	101
		875LF	3500	34.7	101
		1000LF	4000	39.9	100
		125LF	500	6.4	78
	I	250LF	1000	10.1	99
2.0" Regress		375LF	1500	15.1	99
Grazer		625LF	2500	24.4	102
		750LF	3000	30.3	99
		875LF	3500	35.5	99
		1000LF	4000	40.9	98
		125LF	500	6.4	78 05
		250LF	1000	10.5	95 95
4.0" Regress		375LF	1500	15.8	95 94
Grazer		625LF 750LF	2500 3000	26.5 31.9	94
		750LF 875LF	3500	31.9	94
		1000LF	4000	43.1	93
		125LF	500	6.5	77
	1	250LF	1000	9.8	102
Fluch		375LF	1500	14.7	102
Flush Asymmetric Room Fill		625LF	2500	23.6	106
		750LF	3000	29.4	102
		875LF	3500	34.4	102
		1000LF	4000	39.5	101
		125LF	500	6.4	78
		250LF	1000	10.0	100
1.0" Regress		375LF	1500	15.1	100
Asymmetric		625LF	2500	24.2	103
Room Fill		750LF	3000	30.2	99
		875LF	3500	35.4	99
		1000LF	4000	40.7	98

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



TUNABLE WHITE		
Luminaire Series		FSM2F
Seem 2 LED Perimeter	FSM2PR	

Housing Type
Adjustable Lit Housing
(Allows for +/- 3" adjustment to overall run length.
3" minimum luminaire length. LDI, LTI, LVN, & DTI only.)

Fixed Housing (not recommended for wall to wall installations)

Shielding

Flush Lens
(Not available with Unlit Sliding Sleeves - SSB)
1.0" Regress
2.5" Regress
FL1

4" Regress FL4
1.0" Regress Grazer GR1
2.5" Regress Grazer GR2
4.0" Regress Grazer GR4

Flush Asymmetric Room Fill
1.0" Regress Asymmetric Room Fill
(Not available with Unlit Sliding Sleeves - SSB)

AF1

# Lumen Output

125 Lumens per foot (4' minimum. Not available with patterns) 250 Lumens per foot 375 Lumens per foot 625 Lumens per foot 750 Lumens per foot 875 Lumens per foot 875 Lumens per foot 1000 Lumens per foot 125 Lumens per

# **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 of multiple circuiting and zoning options

**Voltage** 120/277 UNV Volt UNV UNV

D1TW

WH

ft in

Control System & Dimming Level
DALI 1% Dimming D1TW

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

Mounting

Lay-in Grid G
Flush Slot Tee / Tegular ST
(FL0 & AF0) Trim Flange Drywall TF
Mud-in Trimless Drywall XFF

Regressed Grid G (AF1, FL1, FL2, FL4, GR1, GR2 & GR4) Trimless Drywall XF

# Factory Options

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

Chicago Plenum CP

6' New York City Flex Whip (120V)
6' New York City Flex Whip (277V)
6' New York City Flex Whip (277V)
6' Flex Whip
FW

Unlit Sliding Sleeves
(Set of two unlit 12" sleeves. Fixed housing in straight runs only.
FL1, FL2, FL4, GR1, GR2 & GR4 only. 3' minimum length.)

**Finish**Matte White Housing WH

Luminaire Length

Specify luminaire/row length in 1" increments  $$_{(2'\,\text{minimum length})}$$  \_ft \_in

Pattern Options
Specify patterns based on wall-to-wall dimensions
(See Pattern Configurations for example)

PAT

Example: FSM2LPR-ALH-FL2-625LF-2765T-1C-120-D1TW-G-WH-PAT-10-ICR-20-ICR-10

 $^\dagger$  4' minimum length with EM or ECD. 120/277 Volt only. EM or ECD not available at corners.

Lumen Mult	iplier	Wattage Mu	ltipliers
CRI	Multiplier	ССТ	Multiplier
+08	1.16	2700K	1.00
90+	1.00	3000K	0.96
		3500K	0.92
		4000K	0.89
		5000K	0.88
		5700K	0.87

# **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, bulkheads, sliding sleeve and regress leg. 4' unit weight: 17 lbs.

### Optio

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

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

#### Lahel

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 270,000 hours
L90 at >61,000 hours
(Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.)

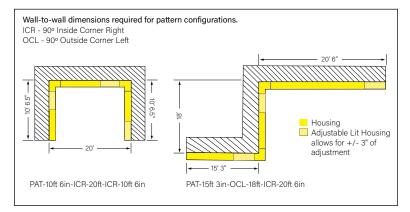
# Reliability

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.

# PATTERN CONFIGURATIONS







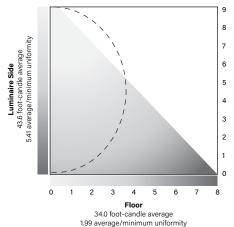
# Seem 2 Perimeter

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.<sup>†</sup>

Connected Solution		Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
<b>la legrand</b> °	10111	DLM1	LMFC-011	DLM	DLM	Enabled <sup>1</sup>	No	Wired	Advance by Signify, Optotronic by eldoLED
WATTSTOPPER®		LMFS1	LMFS-601 & LMFI-111	DLM	DLM	Integrated	No	Wireless	Advance by Signify
		LMFSD	LMFS-601	Wireless	DLIVI	(remote) <sup>2</sup>	NO	Wireless	Optotronic by eldoLED (Dexal)
COOPER Lighting Solutions	0	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Integrated (remote) <sup>2</sup>	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
		D11	Specified	DALI	Crestron Zūm Wireless &	Enabled No	Wired	eldoLED ECOdrive	
@ CRESTRON.	Connections located under access panel.	L11	Driver	0-10V	SpaceBuilder		NO	Wild	Advance by Signify
ENCELIUM	0	CLM1	ZBHA-CLM- DIM-ENC	ZigBee	Encelium X Light Management System	Enabled <sup>1</sup>	No	Wireless	Optotronic by eldoLED Advance by Signify
	0.	LAW1	A-WN-D01- RF-WH	DALI, 0-10V	Athena Wireless	Enabled <sup>1</sup>	No	Wireless	Advance by Signify
<b>%LUTRON</b>		LAWS	A-WN-D01- OCC-WH	DALI, 0-10V	Athena Wireless	Integrated (remote) <sup>2</sup>	No	Wireless	Advance by Signify
	Connections located under access panel.	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
nLight	Connections located under access panel.	NLT1	nEPS-60-IO	nLight	nLight	Enabled <sup>1</sup>	No	Wired	eldoLED ECOdrive, eldoLED SOLOdrive
LIGHTING CONTROLS	NXE1 adds 0.78* to overall height.	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled <sup>1</sup>	No	Wired	Optotronic by eldoLED

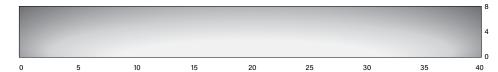
# SELECTING THE BEST OPTIC FOR EACH APPLICATION

# FSM2PR-FL0-625LF

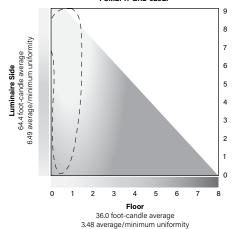


# Standard Lens

The standard optic results in a Lambertian light distribution that provides uniform illumination. It is ideal to create a glowing transition between the walls and ceiling, adding dimension to the space.

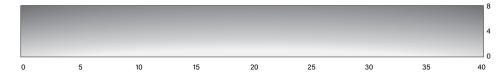


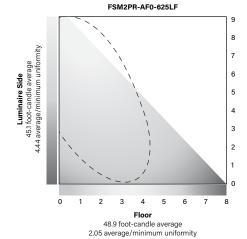
# FSM2PR-GR2-625LF



# Grazer Lens

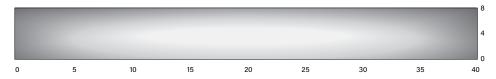
The grazer optic closely grazes walls, highlighting textures and architectural details. It is intended to provide even illumination and deliver maximum visual impact on the vertical surfaces.





# 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.



Wall-to-Wall Symmetry

# 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.

	TOTAL RUN	LENGTH:	32ft	JOB NAME:			FIXTURE TYPE: _		
			SHA	RED ELECTRICAL F	EED,	FACTORY OPTIONS			
	HOUSING	SECTION		NORMAL POWER			SEPARATE ELECTRICAL FEEDS		
т	SECTION	LENGTH	SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
EXAMPL	1	8	1C	1Z					1EM
Ę	2	8	2C	2Z					
	3	8	2C	2Z					
	4	8				1DC			
	Totals / Ord	ering Codes	2C	2 <b>Z</b>		1DC			1EM

ORDERING: FSM4L-FL-625LF-35K- 2C2Z -UNV-LD1-G2-1DC-1EM -WH-32ft

Section 1 EM BATTERY	Section 2	Section 3	Section 4
1C	2	c —	1DC
1Z	2	Z	

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:		
			SHARED ELECTRICAL FEED,			FACTORY OPTIONS			
	HOUSING SECTION	SECTION LENGTH		NORMAL POWER		SEPARATE ELECTRICAL FEEDS			
	SECTION	LENGTH	SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
	1								
	2								
	3								
	4								
	5								
	6								
	7								
WOF	8								
WORKSHEET	9								
ET	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	Totals / Ord	ering Codes							

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

# **RUN CHART**

HON CHAIL					
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
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8 + 6 + 4
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8 + 7 + 4
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8 + 8 + 4
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

Run length (ft)	Housing Configuration Section Lengths
45	8 + 8 + 8 + 8 + 8 + 5
46	8 + 8 + 8 + 8 + 8 + 6
47	8 + 8 + 8 + 8 + 8 + 7
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.