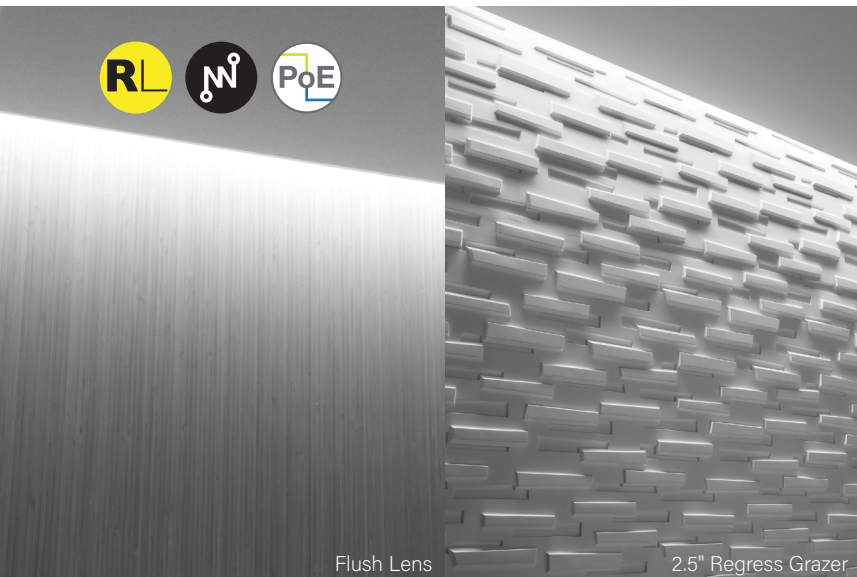


# Seem<sup>®</sup> 2

LED PERIMETER

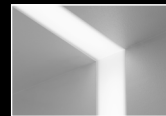


Flush Lens

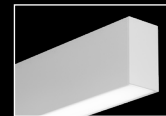
2.5\"/>



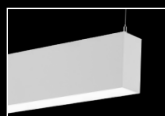
recessed companion



wall to ceiling companion

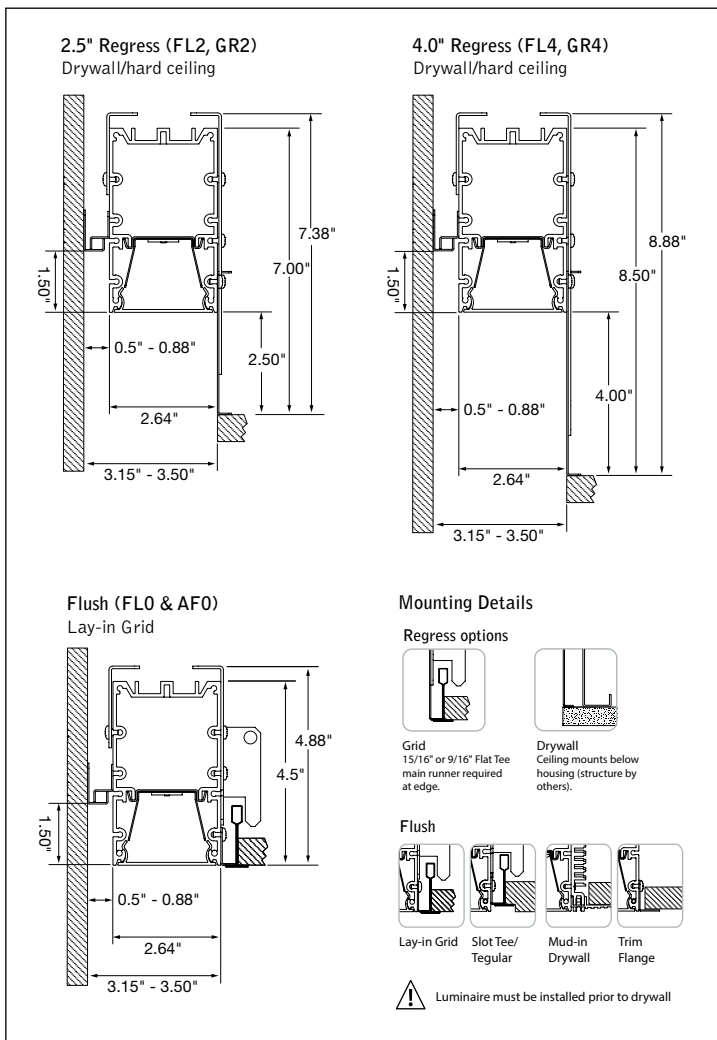


wall mount companion



suspended companion

## DIMENSIONAL DATA



## FEATURES

Seem 2 LED perimeter provides a glowing transition between ceiling and wall with flush, 1\"/>

Adjustable housing option provides flexibility with +/- 3 inch adjustability for wall-to-wall illumination.

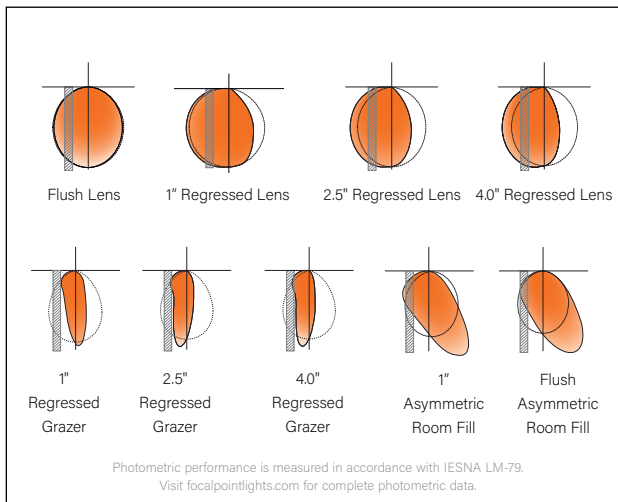
Grazer optic provides even vertical illumination and adds drama to a space by highlighting textured walls and architectural details.

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

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.

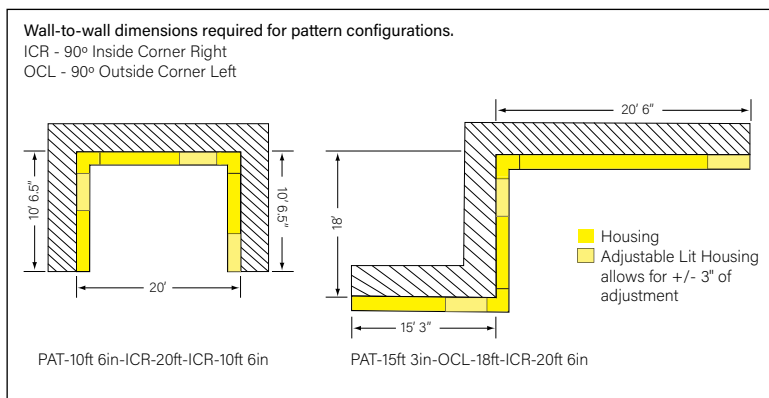
## DISTRIBUTIONS



fixture:

project:

### PATTERN CONFIGURATIONS



### 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.

#### Optic

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, LMFS1D, NLT1, ENL1, CLM1, 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 at >61,000 hours      Calculated: L70 at 270,000 hours  
 L90 at >61,000 hours                L90 at 73,000 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.

**QS 10 DAY** Options in orange qualify for the Quickship program. 1000' total. Refer to Quickship Guide for complete details.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

### ORDERING

	<b>Luminaire Series</b>	<b>FSM2PR</b>
	Seem 2 LED Perimeter	FSM2PR
	<b>Housing Type</b>	
	Adjustable Lit Housing	ALH
	(Allows for +/- 3" adjustment to overall run length. 3' minimum luminaire length.)	
	Fixed Housing	FXH
	(not recommended for wall to wall installations)	
	<b>Shielding</b>	
	Flush Lens	FL0
	(Not available with Unlit Sliding Sleeves - SSB)	
	1.0" Regress	FL1
	2.5" Regress	FL2
	4" Regress	FL4
	1.0" Regress Grazer	GR1
	2.5" Regress Grazer	GR2
	4.0" Regress Grazer	GR4
	Flush Asymmetric Room Fill	AF0
	1.0" Regress Asymmetric Room Fill	AF1
	(Not available with Unlit Sliding Sleeves - SSB)	
	<b>Lumen Output</b>	
	125 Lumens per foot	125LF
	(LD1, L11 & D11 only. 4' minimum.)	
	250 Lumens per foot	250LF
	(Not available with LH1. 4' minimum with D11.)	
	375 Lumens per foot	375LF
	(4' minimum with LH1 & D11.)	
	625 Lumens per foot	625LF
	(3' minimum with LH1.)	
	<b>Color Temperature</b>	
	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
	<b>Circuits &amp; Zones</b>	
	1 Circuit, non-emergency	1C
	Consult Ordering Guide on page 5 for multiple circuiting and zoning options	_C_Z_DL
	<b>Voltage</b>	
	120/277 UNV Volt	UNV
	Low Voltage	LV
	<b>Control System &amp; Dimming Level</b>	
	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)	
	Lucent Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1
	DALI 1% Dimming	D11
	Wattstopper DLM - 1% Dimming*	DLM1
	(Not available with CP)	
	Wattstopper Fixture Sensor*	LMFS1
	Low Density - 1% Dimming	
	(Remote mounted sensor. See sensor layout guide)	
	Wattstopper Fixture Sensor*	LMFS1D
	High Density - 1% Dimming	
	(Remote mounted sensor. See sensor layout guide)	
	Acuity nLight - 1% Dimming*	NLT1
	(Not available with CP)	
	Enlighted Smart Sensor - 1% Dimming*	ENL1
	(Remote mounted sensor. See sensor layout guide)	
	Encelium CLM Connected Lighting Module - 1% Dimming	CLM1
	Current NX Enabled - 1% Dimming*	NXE1
	(Not available with CP)	
	WaveLinux Pro - 1% Dimming*	WLXP
	(Remote mounted sensor. See sensor layout guide)	
	* (3' minimum length. 7' minimum length with FXH & EM. Not available with ALH & EM. G & ST mounting only.)	
	<b>Mounting</b>	
	Lay-in Grid	G
	Flush	ST
	(FL0 & AF0)	TF
	Trim Flange Drywall	TF
	Mud-in Trimless Drywall	XFF
	Regressed	G
	(AF1, FL1, FL2, FL4, GR1, GR2 & GR4)	XF
	Trimless Drywall	XF
	<b>Factory Options</b>	
	(See Ordering Guide for ordering details for DC, EC, EM & ECD.)	
	Chicago Plenum	CP
	(Not available with Flex Whip)	
	Daylight Circuit	_DC
	Emergency Circuit	_EC
	Emergency Battery Pack†	_EM
	Emergency Control Device†	_ECD
	6' New York City Flex Whip (120V)	FNY1
	6' New York City Flex Whip (277V)	FNY2
	6' Flex Whip	FW
	Unlit Sliding Sleeves	SSB
	(Set of two unlit 12" sleeves. Fixed housing in straight runs only. FL2, FL4, GR2 & GR4 only. 3' minimum luminaire length.)	
	<b>Finish</b>	<b>WH</b>
	Matte White Housing	WH
	<b>Luminaire Length</b>	<b>ft in</b>
	Specify luminaire/row length in 1" increments	_ft_in
	(2' minimum length)	
	<b>Pattern Options</b>	
	Specify patterns based on wall-to-wall dimensions	PAT
	(See Pattern Configurations for example)	
	Example: FSM2LPR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10	

† 4' minimum length with EM or ECD. 120/277 Volt only. EM or ECD not available at corners.

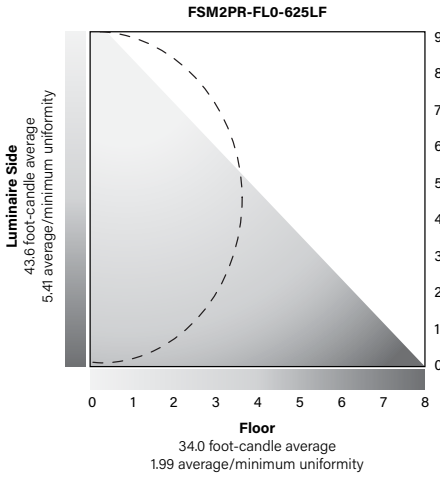
## 4' PERFORMANCE CHART

Lumen Output per Foot	Tested System Watts	Delivered Lumens   LPW																	
		FL0	FL1	FL2	FL4	GR1	GR2	GR4	AF1	AF0									
125LF	6.1	459	75	440	72	421	69	412	67	546	89	533	87	525	85	539	88	559	91
250LF	11.7	1071	92	1027	88	984	84	962	82	1275	109	1244	106	1225	105	1258	108	1304	111
375LF	17.5	1680	96	1611	92	1543	88	1509	86	2000	114	1951	112	1922	110	1973	113	2046	117
625LF	30.8	2870	93	2752	89	2635	86	2579	84	3417	111	3335	108	3281	107	3371	110	3496	114

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

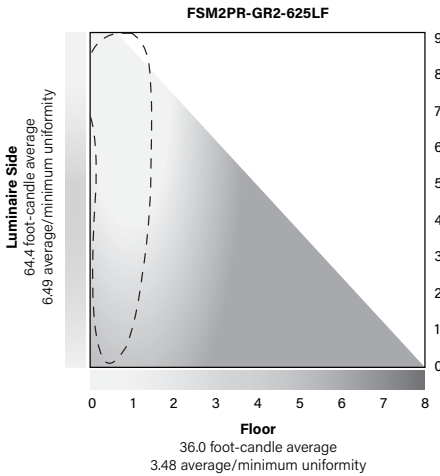
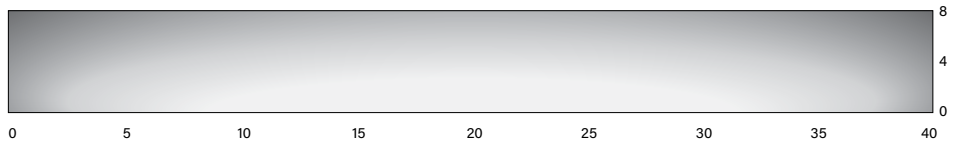
## SELECTING THE BEST OPTIC FOR EACH APPLICATION

8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor



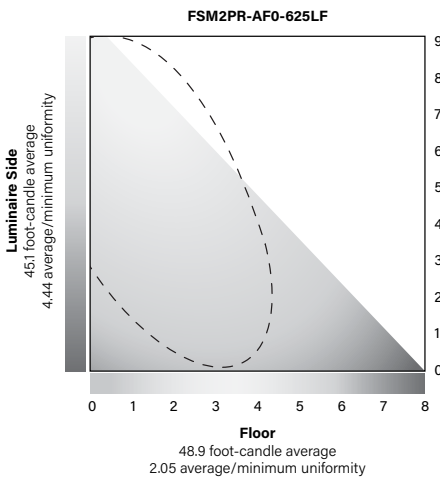
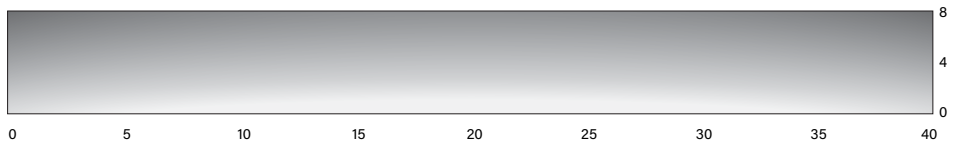
### Standard Lens

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.



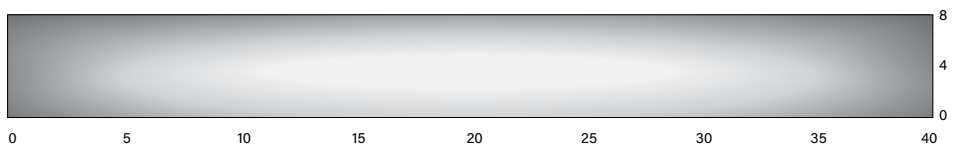
### Grazer Lens

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.



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.†

Connected Solution	Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
 <b>legrand</b> <sup>®</sup> WATTSTOPPER <sup>®</sup>	DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	<b>Advance by Signify</b> , Optotronic by eldoLED
	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	<b>Advance by Signify</b>
LMFSD	LMFS-601	Optotronic by eldoLED (Dexal)						
 <b>COOPER</b> Lighting Solutions	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>
 <b>CRESTRON</b>	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	<b>eldoLED ECOdrive</b>
	L11		0-10V					<b>Advance by Signify</b>
 <b>ENCELIUM</b>	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	<b>Optotronic by eldoLED</b> Advance by Signify
 <b>Enlighted</b>	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	<b>Advance by Signify</b>
 <b>LUTRON</b>	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	<b>Lutron Hi-Lume</b>
 <b>nLIGHT</b>	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	<b>eldoLED ECOdrive</b> , eldoLED SOLOdrive
							Wireless	<b>Optotronic by eldoLED</b>
 <b>NA LIGHTING CONTROLS</b> <sup>™</sup>	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 	<b>Optotronic by eldoLED</b>

\*Not all compatible networks may be listed. \*\*For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold**. To specify a particular driver please consult factory. †Controls systems supplied by others.