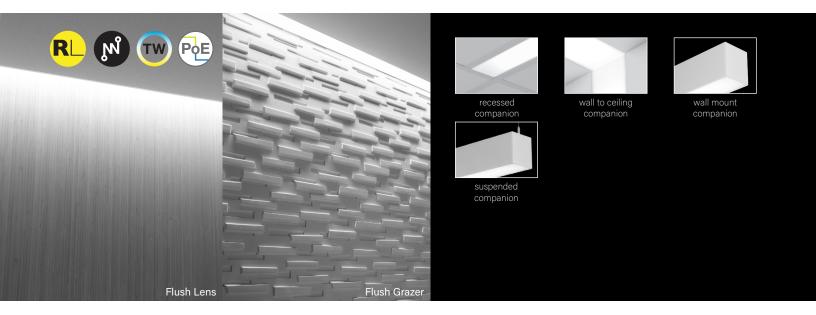
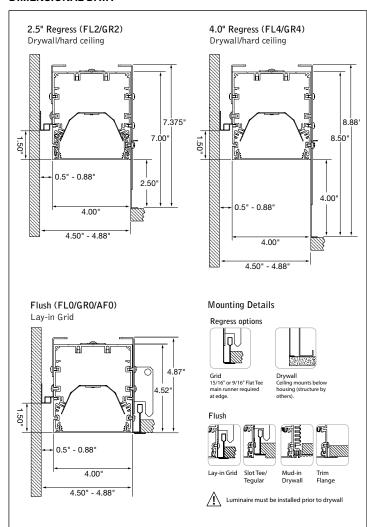
Seem[®] 4





DIMENSIONAL DATA



FEATURES

Seem 4 perimeter provides a glowing transition between ceiling and wall with Flush, 1" regress, 2.5" regress or 4.0" regress lenses.

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

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

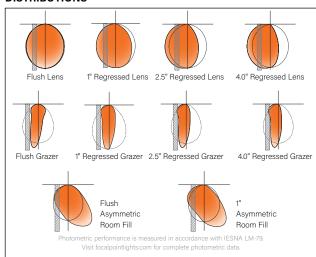
Adjustable housing option provides flexibility with +/- 3 inch adjustability for wall-to-wall illumination.

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

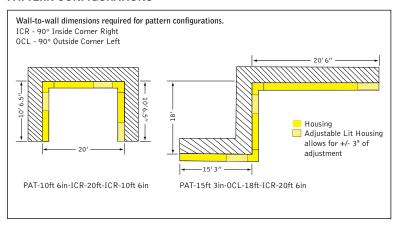
Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

DISTRIBUTIONS



PATTERN CONFIGURATIONS



4' PERFORMANCE CHARTS

			LPW						
Lumen Output	Nominal Lumens	Tested System Watts	FL0	FL1	FL2	FL4			
275LF	1100	12	99	78	92	89			
375LF	1500	15	103	82	96	93			
625LF	2500	25	103 81		96	93			
875LF	3500	35	102	80	95	91			
1000LF	4000	37	102	80	95	91			

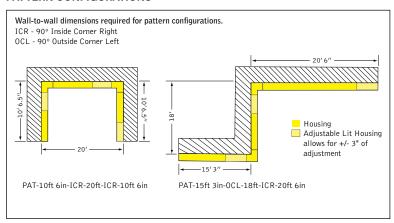
Based on 3500K, 80 CRI, 4' lengths. Lumen multipliers: 90+ CRI = 0.87. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

			LPW							
Lumen Output	Nominal Lumens	Tested System Watts	GRO	GR1	GR2	GR4	AF0	AF1		
275LF	1100	12	106	84	100	97	111	83		
375LF	1500	15	112	88	105	102	116	87		
625LF	2500	25	111	87	105	102	116	87		
875LF	3500	35	110	86	104	100	114	86		
1000LF	4000	37	110	86	104	100	114	86		

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

STANDARD WHITE		
Luminaire Series Seem 4 LED Perimeter	FSM4PR	FSM4PR
Housing Type 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) Shielding	TAIT	
Flush Lens* 1.0" Regress	FL0 FL1	
2.5" Regress 4.0" Regress	FL2 FL4	
Flush Grazer* 1.0" Regress Grazer	GR0 GR1	
2.5" Regress Grazer 4.0" Regress Grazer	GR2 GR4	
Flush Asymmetric Room Fill* 1.0" Regress Asymmetric Room Fill	AF0 AF1	
*(Not available with Unlit Sliding Sleeves - SSB) Lumen Output		
275 Lumens per foot (Not available with Lutron Drivers.)	275LF	
375 Lumens per foot (Not available with LH1.)	375LF	
625 Lumens per foot (3' minimum with LH1.) 875 Lumens per foot	625LF 875LF	
1000 Lumens per foot Color Temperature	1000LF	
2700K, 80+ CRI or 90+ CRI	27K or 927K	
3000K, 80+ CRI or 90+ CRI 3500K, 80+ CRI or 90+ CRI	30K or 930K 35K or 935K	
4000K, 80+ CRI or 90+ CRI Circuits & Zones	40K or 940K	
1 Circuit, non-emergency Consult Ordering Guide on page 5 for	1C _C_Z_DL	
multiple circuiting and zoning options Voltage		
120/277 UNV Volt Low Voltage	UNV LV	
Control System & Dimming Level 0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11 LVN	
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.) Lutron Hi-Lume EcoSystem_(LDE1) -	LH1	
1% Dimming DALI 1% Dimming	D11	
Wattstopper DLM - 1% Dimming* (Not available with CP)	DLM1	
Wattstopper Fixture Sensor* Low Density – 1% Dimming (Remote mounted sensor. See sensor layout guide)	LMFS1	
Wattstopper Fixture Sensor* High Density – 1% Dimming (Remote mounted sensor, See sensor layout quide)	LMFSD	
Acuity nLight - 1% Dimming* (Not available with CP.)	NLT1	
Enlighted Smart Sensor - 1% Dimming* (Remote mounted sensor. See sensor layout guide)	ENL1	
Encelium CLM Connected Lighting* Module - 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming* (Not available with CP) WaveLinx Pro – 1% Dimming*	NXE1 WLXP	
(Remote mounted sensor. <u>See sensor layout guide</u>) *(3' minimum length. 7' minimum length with FXH & EM.	WLAP	
Not available with ALH & EM. G & ST mounting only.) Mounting		
Flush Slot Tee / Tegular	G ST	
(FL0, GR0 Trim Flange Drywall Mud-in Trimless Drywall	TF XFF	
Regressed Grid (AF1, FL1, FL2, Trimless Drywall	G XF	
FL4, Gr1, GR2 & GR4)		
Factory Options (See Ordering Guide on page 5 for		
ordering details for DC, EC, EM & ECD.) Chicago Plenum	СР	
(Not available with flex whip) Daylight Circuit	_DC	
Emergency Circuit	_EC	
Emergency Battery Packt Emergency Control Devicet	_EM ECD	
6' New York City Flex Whip (120V only)	FNY1	
6' New York City Flex Whip (277V only) 6' Flex Whip	FNY2 FW	
Fixed Housing with Unlit Sliding Sleeves (Set of two unlit 12" sleeves. Fixed housing in straight runs only, FL2, FL4, GR2 & GR4 only. 3" minimum luminiare length.)	SSB	
Finish Matte White Housing	WH	WH in
Luminaire Length Specify luminaire/row length in 1" increments (2' minimum length)	_ft _in	<u>ft in</u>
(2' minimum length) Pattern Options		
Specify patterns based on wall-to-wall dimensions	PAT	
(See Pattern Configurations for example) Example: FSM4PR-ALH-FL2-625LF-35K-1C-	120-LD1-G-WH-PAT-	10-ICR-20-ICR-10

PATTERN CONFIGURATIONS



4' PERFORMANCE CHARTS

			LPW						
Lumen Output	Nominal Lumens	Tested System Watts	FL0	FL1	FL2	FL4			
275LF	1100	13.30	83.2	80.3	77.5	74.8			
375LF	1500	17.34	86.5	83.5	80.6	77.7			
625LF	2500	27.84	89.5	86.4	83.4	80.5			
875LF	3500	37.22	94.2	90.9	87.7	84.7			
1000LF	4000	42.39	94.4	91.2	88.0	84.9			

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

			LPW							
Lumen Output	Nominal Lumens	Tested System Watts	GRO	GR1	GR2	GR4	AF0	AF0		
275LF	1100	13.30	89.8	87.2	84.7	82.1	93.4	87.7		
375LF	1500	17.34	93.4	90.6	88.1	85.4	97.1	91.2		
625LF	2500	27.84	96.7	93.9	91.2	88.4	100.5	94.4		
875LF	3500	37.22	101.7	98.8	96.0	93.0	105.8	99.4		
1000LF	4000	42.39	102.0	99.1	96.2	93.3	106.0	99.6		

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

Lumen Multipliers

CRI	Multiplier
80+	1.00
90+	0.89

Wattage Multipliers

ССТ	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 FSM4PR Seem 4 LED Perimeter FSM4PR **Housing Type** Adjustable Lit Housing ALH (Allows for +/- 3" adjustment to over 3' minimum lum Fixed Housing (not recommended for wall to wall installations) Shielding Flush Lens*
1.0" Regress
2.5" Regress
4.0" Regress
Flush Grazer* FL0 FL1 FL2 FL4 GR0 1.0" Regress Grazer 2.5" Regress Grazer GR1 GR2 4.0" Regress Grazer

4.0" Regress Grazer

Flush Asymmetric Room Fill

1.0" Regress Asymmetric Room Fill

*(Not available with Unlit Sliding Sleeves - SSR) GR4 AF0 **Lumen Output** 275 Lumens per foot 275LF in with D1TW. 4' min with LT1.) 375 Lumens per foot (3' min with LT1.) 375LF (3" min with LLI)
625 Lumens per foot 625LF
875 Lumens per foot* 875LF
1000 Lumens per foot* 1000LF
*(3" 6" min with ALH) **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 5 for multiple circuiting and zoning options _C_Z_DL UNV Voltage 120/277 UNV Volt UNV **Control System & Dimming Level** Lutron T-Series - 1% Dimming DALI - 1% Dimming D1TW (DT6 control. Requires two addresses, one for intensity & one for CCT tuning, Consult factory for DT8.) Acuity nLight - 196 Dimming (Not available with OP) Enlighted Smart Sensor - 1% Dimmingt ENL1 †(Consult factory) Mounting Lay-in Grid Slot Tee / Tegular Trim Flange Drywall Mud-in Trimless Drywall Flush ST (FL0, GR0 & AF0) XFF Regressed (AF1, FL1, FL2, Grid Trimless Drywall FL4, Gr1, GR2 & GR4) **Factory Options** (See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD.) Chicago Plenum CP (Not av Daylight Circuit _DC Emergency Circuit _EC Emergency Battery Packt _EM Emergency Control Device† _ECD

6' New York City Flex Whip (120V only) FNY1 6' New York City Flex Whip (277V only) FNY2 6' Flex Whip FW Fixed Housing with Unlit Sliding Sleeves SSB (Set of two unlit 12" sleeves. Fixed housing in straight runs only. FL2, FL4, GR2 & GR4 only. 3' minimum luminiare length.) **Finish** WH Matte White Housing WH

ft in

Luminaire Length Specify luminaire/row length in 1" increments (2' minimum length) _ft _in

Pattern Options

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

Example: FSM4PR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10

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. 20 Ga. steel end caps, bulkheads, sliding sleeve and regress leg. 4' unit weight: 19 lbs.

Optio

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.

Flectrical

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. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, 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

 $\begin{tabular}{lll} Reported: & L70 > 61,000 hours & Calculated: L70 at > 480,000 hours \\ & L90 > 61,000 hours & L90 at > 128,000 hours \\ \end{tabular}$

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

Reliability

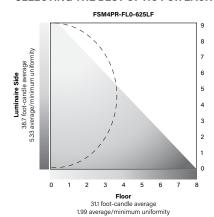
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

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

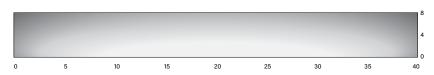
SELECTING THE BEST OPTIC FOR EACH APPLICATION

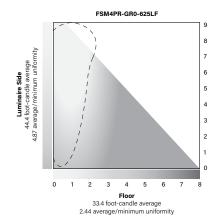
8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor



Standard Lens

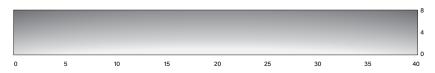
The standard optic results in a Lambertian light distribution that provides uniform illumination. It is ideal to create a glowing transition between the walls and ceiling, adding dimension to the space.

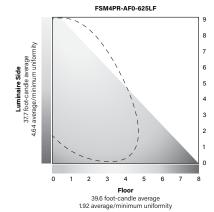




Grazer Lens

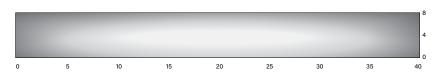
The grazer optic closely grazes walls, highlighting textures and architectural details. It is intended to provide even illumination and deliver maximum visual impact on the vertical surfaces.





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.





Seem[®] 4 Perimeter

I FD

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
La legrand ®	DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired	Advance by Signify, Optotronic by eldoLED
WATTSTOPPER*	LMFS1	LMFS-601 & LMFI-111	DLM	DLM	Enabled	No	Wireless	Advance by Signify
	LMFSD	LMFS-601	Wireless	DEW	Lilabled	NO	Wileless	Optotronic by eldoLED (Dexal)
COOPER Lighting Solutions	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
© CRESTRON	D11	D11 Specified Driver L11	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
Connections located under access panel.	L11		0-10V					Advance by Signify
ENCELIUM	CLM1	ZBHA-CLM- DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
€ Enlighted	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
Connections located under access panel.	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
Connections located under access panel.	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired	eldoLED ECOdrive, eldoLED SOLOdrive
NXE1 adds 100' to overall legyt. NXE1 adds 100' to overall legyt.	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired	Optotronic by eldoLED

^{*}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.