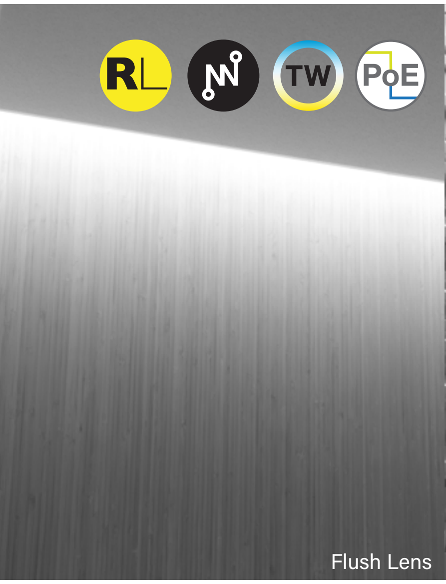
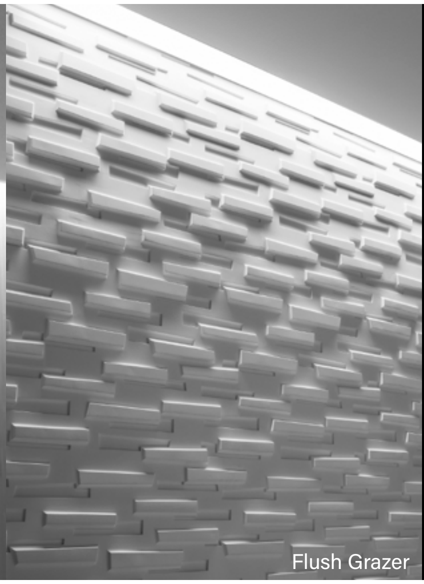
Seem® 4

LED PERIMETER

FOCAL POINT®



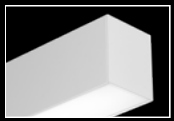
Flush Lens



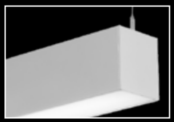
Flush Grazer

recessed companion

wall to ceiling companion



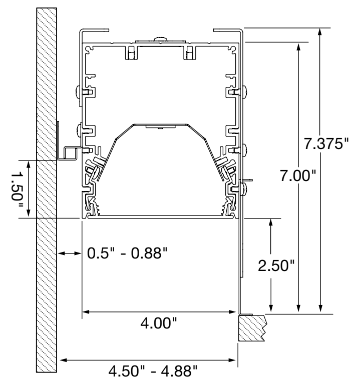
wall mount companion



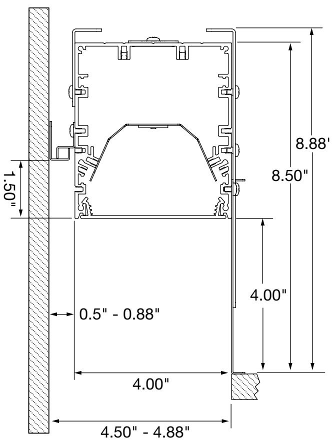
suspended companion

DIMENSIONAL DATA

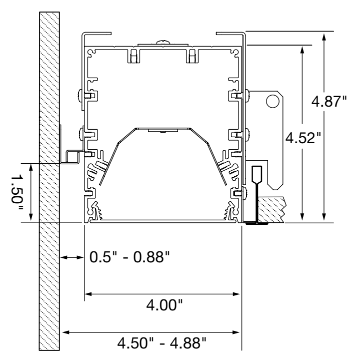
2.5" Regress (FL2/GR2)
Drywall/hard ceiling



4.0" Regress (FL4/GR4)
Drywall/hard ceiling

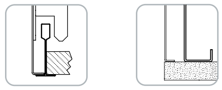


Flush (FL0/GR0/AF0)
Lay-in Grid



Mounting Details

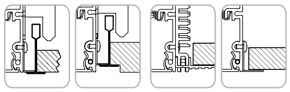
Regress options



Grid
15/16" or 9/16" Flat Tee main runner required at edge.

Drywall
Ceiling mounts below housing (structure by others).

Flush



Lay-in Grid | Slot Tee/ Tegular | Mud-in Drywall | Trim Flange

⚠ Luminaire must be installed prior to drywall

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.

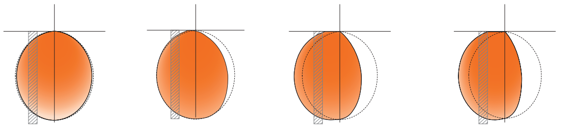
Adjustable housing option provides flexiblity with +/- 3 inch adjustability for wall-to-wall illumination.

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

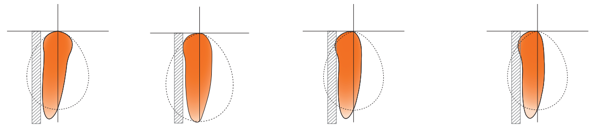
Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

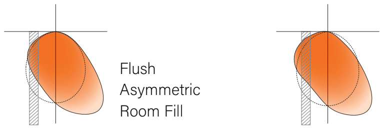
DISTRIBUTIONS



Flush Lens | 1" Regressed Lens | 2.5" Regressed Lens | 4.0" Regressed Lens



Flush Grazer | 1" Regressed Grazer | 2.5" Regressed Grazer | 4.0" Regressed Grazer



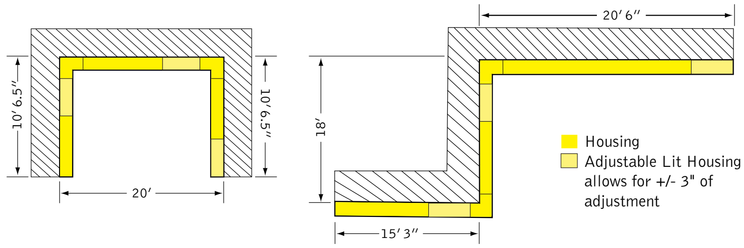
Flush Asymmetric Room Fill | 1" Asymmetric Room Fill

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

fixture: project:

PATTERN CONFIGURATIONS

Wall-to-wall dimensions required for pattern configurations.
ICR - 90° Inside Corner Right
OCL - 90° Outside Corner Left



PAT-10ft 6in-ICR-20ft-ICR-10ft 6in

PAT-15ft 3in-OCL-18ft-ICR-20ft 6in

4' PERFORMANCE CHARTS

		FL0		FL1		FL2		FL4	
Lumen Output	Nominal Lumens	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.5	116	9.2	119	9.8	112	9.8	112
375LF	1500	12.1	124	11.7	128	12.8	117	12.5	120
625LF	2500	19.5	128	18.9	133	21.6	116	21.0	119
875LF	3500	28.5	123	27.5	127	30.5	115	29.7	118
1000LF	4000	32.9	122	31.6	126	35.3	113	34.3	117

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

		GR0		GR1		GR2		GR4	
Lumen Output	Nominal Lumens	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	8.8	125	9.0	122	9.3	119	9.5	115
375LF	1500	11.2	134	11.4	132	11.8	127	12.1	124
625LF	2500	17.9	139	18.3	137	19.0	132	19.6	128
875LF	3500	26.0	135	26.5	132	27.7	127	28.6	122
1000LF	4000	29.9	134	30.5	131	31.8	126	33.0	121

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

		AF0		AF1	
Lumen Output	Nominal Lumens	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	8.7	127	8.8	125
375LF	1500	10.9	137	11.1	135
625LF	2500	17.5	143	17.9	140
875LF	3500	25.3	138	25.9	135
1000LF	4000	29.1	137	29.8	134

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

QS 10 DAY Options in orange qualify for the Quickship program. Run lengths in 1' increments, 1000' total. Refer to Quickship Guide for complete details.

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

STANDARD WHITE

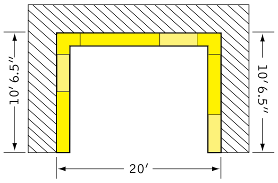
Option	Code	Selection
Luminaire Series		FSM4PR
Seem 4 LED Perimeter	FSM4PR	
Housing Type		
Adjustable Lit Housing (Allows for +/- 3" adjustment to overall run length. 3' minimum luminaire length.)	ALH	
Fixed Housing (not recommended for wall to wall installations)	FXH	
Shielding		
Flush Lens*	FL0	
1.0" Regress	FL1	
2.5" Regress	FL2	
4.0" Regress	FL4	
Flush Grazer*	GR0	
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)		
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.)	625LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
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 5 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	D11	
Wattstopper DLM - 1% Dimming[1 2] (Not available with CP)	DLM1	
Wattstopper Fixture Sensor[1] Low Density – 1% Dimming (Remote mounted sensor. See sensor layout guide)	LMFS1	
Wattstopper Fixture Sensor[1] High Density – 1% Dimming (Remote mounted sensor. See sensor layout guide)	LMFSD	
Lutron Athena Wireless Node[1 2 3]	LAW1	
Lutron Athena Wireless Sensor[1 3] (Remote mounted sensor. See sensor layout guide)	LAWS	
Acuity nLight - 1% Dimming[1 2] (Not available with CP)	NLT1	
Encelium CLM Connected Lighting[1 2] Module - 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming[1 2] (Not available with CP)	NXE1	
WaveLinx Pro – 1% Dimming[1] (Remote mounted sensor. See sensor layout guide)	WLXP	
[1](3' minimum length. 7' minimum length with FXH & EM. Not available with ALH.) [2](G & ST mounting only.) [3](0-10V standard, consult factory for DALI)		
Mounting		
Flush (FL0, GR0 & AF0): Lay-in Grid	G	
Flush: Slot Tee / Tegular	ST	
Flush: Trim Flange Drywall	TF	
Flush: Mud-in Trimless Drywall	XFF	
Regressed (AF1, FL1, FL2, FL4, Gr1, GR2 & GR4): Grid	G	
Regressed: Trimless Drywall	XF	
Factory Options (See Ordering Guide on page 5 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	
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 (Set of two unlit 12" sleeves. Fixed housing in straight runs only. FL2, FL4, GR2 & GR4 only. 3' minimum luminaire length.)	SSB	
Finish		WH
Matte White Housing	WH	
Luminaire Length		ft in
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)	PAT	

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

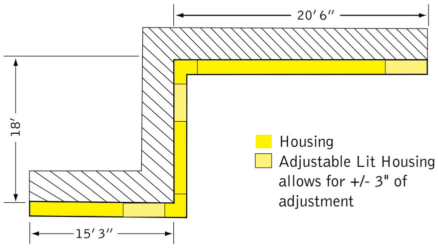
†4' minimum length. 120/277 Volt only. EM or ECD not available at corners.

PATTERN CONFIGURATIONS

Wall-to-wall dimensions required for pattern configurations.
ICR - 90° Inside Corner Right
OCL - 90° Outside Corner Left



PAT-10ft 6in-ICR-20ft-ICR-10ft 6in



PAT-15ft 3in-OCL-18ft-ICR-20ft 6in

TW 4' PERFORMANCE CHARTS

Lumen Output	Nominal Lumens	Tested System Watts	LPW FL0	LPW FL1	LPW FL2	LPW 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%.

Lumen Output	Nominal Lumens	Tested System Watts	LPW GR0	LPW GR1	LPW GR2	LPW GR4	LPW AF0	LPW 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

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

TW TUNABLE WHITE

Luminaire Series — FSM4PR
Seem 4 LED Perimeter 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
Flush Lens* FL0
1.0" Regress FL1
2.5" Regress FL2
4.0" Regress FL4
Flush Grazer* GR0
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)

Lumen Output
275 Lumens per foot 275LF
(3' min with D1TW. 4' min with LT1.)
375 Lumens per foot 375LF
(3' min with LT1.)
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

Voltage — UNV
120/277 UNV Volt UNV

Control System & Dimming Level
DALI - 1% Dimming D1TW
(DT6 control. Requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8.)
Acuity nLight - 1% Dimming† NLT1
(Not available with CP.)
†(Consult factory)

Mounting
Flush (FL0, GR0 & AF0): Lay-in Grid G; Slot Tee / Tegular ST; Trim Flange Drywall TF; Mud-in Trimless Drywall XFF
Regressed (AF1, FL1, FL2, FL4, Gr1, GR2 & GR4): Grid G; Trimless Drywall XF

Factory Options
(See Ordering Guide on page 5 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
†(Consult factory)
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 luminaire length.)

Finish — WH
Matte White Housing WH

Luminaire Length — ft in
Specify luminaire/row length in 1" increments _ft _in
(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

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

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.

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. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, 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 > 61,000 hours	Calculated: L70 at > 480,000 hours
	L90 > 61,000 hours	L90 at > 128,000 hours

(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.

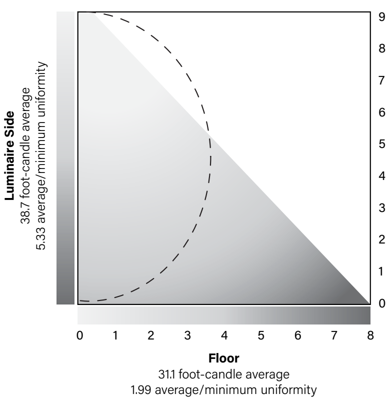
Warranty

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

SELECTING THE BEST OPTIC FOR EACH APPLICATION

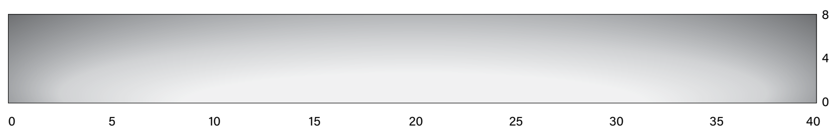
8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor

FSM4PR-FL0-625LF

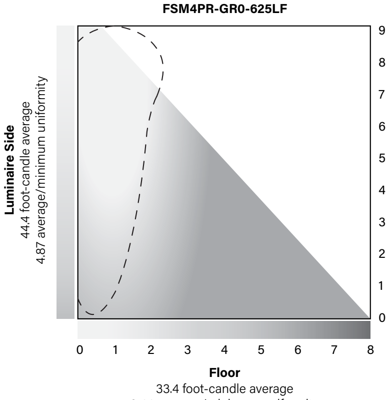


Standard Lens

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.



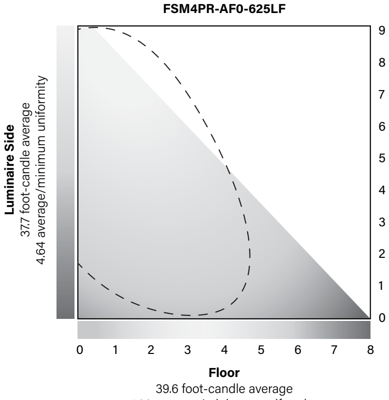
FSM4PR-GR0-625LF



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.

FSM4PR-AF0-625LF



Asymmetric Room Fill Lens

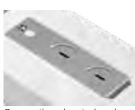
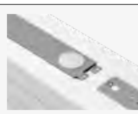
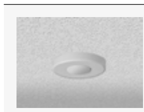
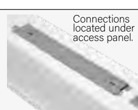
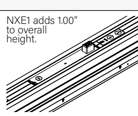
The asymmetric room fill optic projects light into the space to evenly illuminate horizontal planes. It is ideal to light rooms and corridors from the perimeter, resulting in superior efficacy and uniformity on the floor.

CONNECTED® SOLUTIONS

Seem® 4 Perimeter

LED

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
legrand® WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired	**Advance by Signify,** Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	**Advance by Signify**
		LMFSD	LMFS-601						**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	 Connections located under access panel.	D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
		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
LUTRON		LAW1	A-WN-D01-RF-WH	DALI, 0-10V	Athena Wireless	Enabled	No	Wireless	**Advance by Signify**
		LAWS	A-WN-D01-OCC-WH	DALI, 0-10V	Athena Wireless	Integrated	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	No	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive
NX LIGHTING CONTROLS	 NXE1 adds 1.00" to overall height.	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.

Ordering Guide

FOCAL POINT®

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.

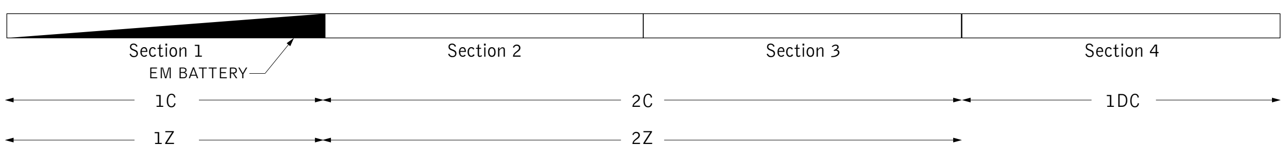
Submit the worksheet along with your order.

EXAMPLE

TOTAL RUN LENGTH: 32ft **JOB NAME:** ________ **FIXTURE TYPE:** ________

HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS — SEPARATE ELECTRICAL FEEDS			FACTORY OPTIONS
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
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:** ________________________

WORKSHEET

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								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering Codes		_C	_Z	_DL	_DC	_EC	_ECD	_EM

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.