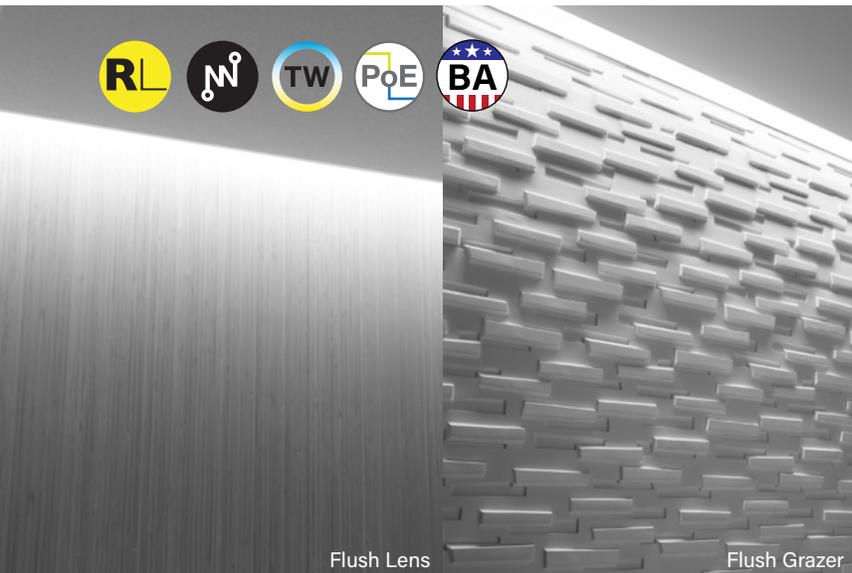


Seem® 4

LED PERIMETER



Flush Lens

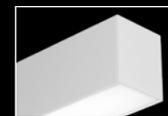
Flush Grazer



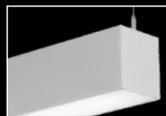
recessed companion



wall to ceiling companion

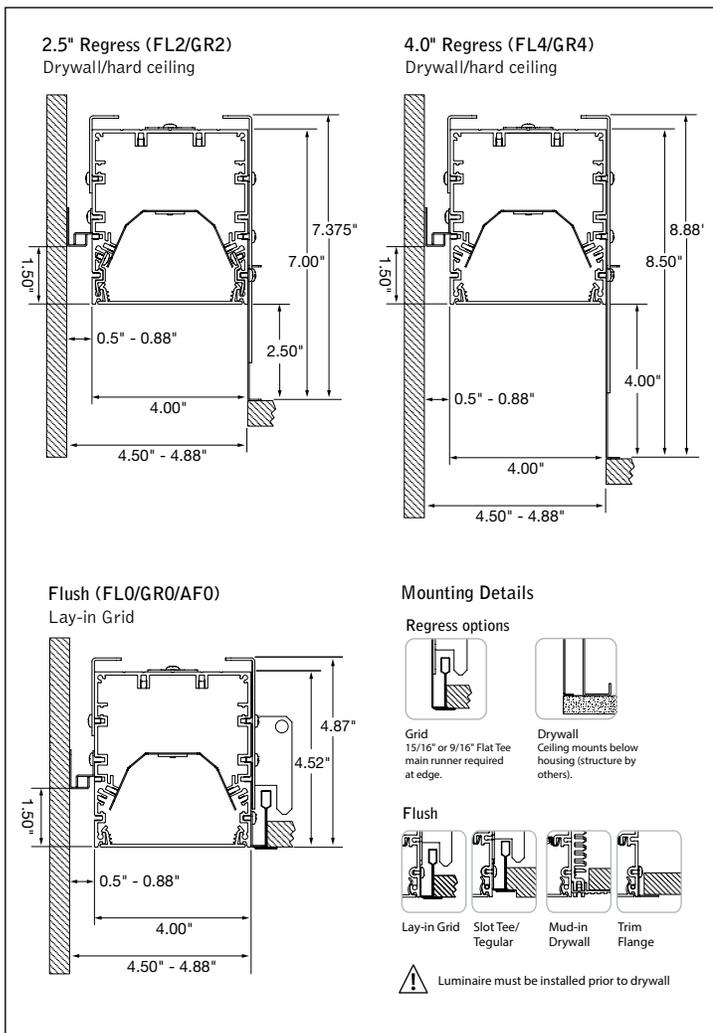


wall mount companion



suspended companion

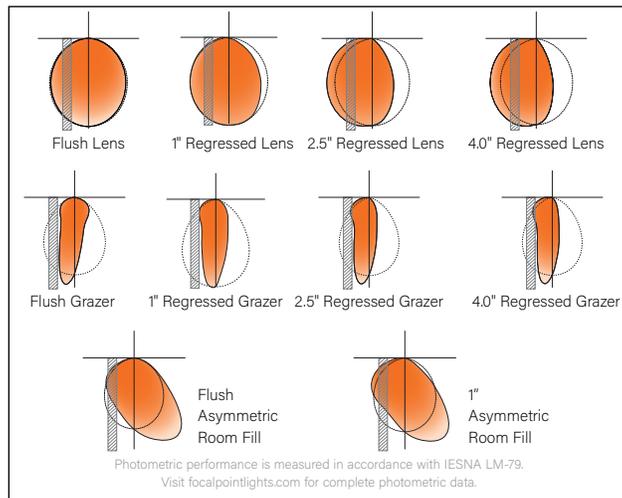
DIMENSIONAL DATA



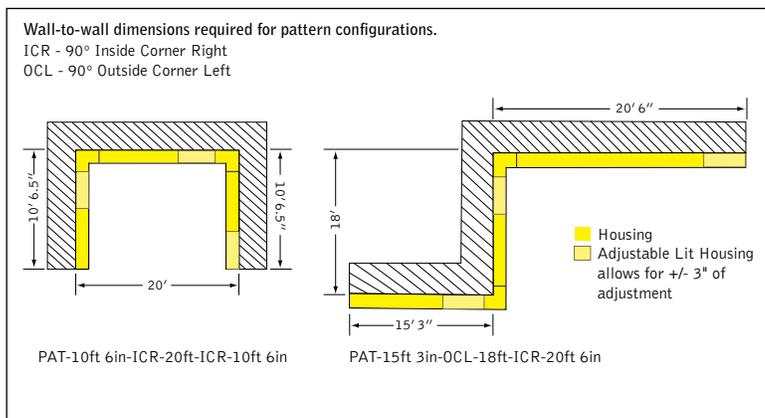
FEATURES

- 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

Lumen Output	Nominal Lumens	FL0		FL1		FL2		FL4	
		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%.

Lumen Output	Nominal Lumens	GR0		GR1		GR2		GR4	
		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%.

Lumen Output	Nominal Lumens	AF0		AF1	
		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%.

STANDARD WHITE

Luminaire Series

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**

(Not available with Lutron Drivers.)

375 Lumens per foot **375LF**

(Not available with LH1)

625 Lumens per foot **625LF**

(3' minimum with LH1)

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

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 **LVN**

(No driver. Not available with EM or EC. LV Voltage only)

Wattstopper PLUS

Connected Light Module **WSPC**

(0-10V standard. Consult Factory for DALI)

Wattstopper PLUS^{1,2}

WSPS

SensiLUM Wireless Sensor

(0-10V standard. Consult Factory for DALI)

Lutron Athena Wireless Node^{1,2} **LAW1**

(0-10V standard. Consult Factory for DALI)

Lutron Athena Wireless Sensor^{1,2} **LAWS**

(0-10V standard. Consult Factory for DALI)

Acuity nLight - 1% Dimming¹ **NLT1**

(Not available with CP)

Current NX Enabled - 1% Dimming¹ **NXE1**

(Not available with CP)

WaveLinux Pro - 1% Dimming² **WLXP**

(See sensor layout guide)

¹(3' minimum length, with FXH/EM - 7' minimum.)

Not available with ALH.)

²(Remote mounted)

Mounting

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) **G**

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**

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

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.

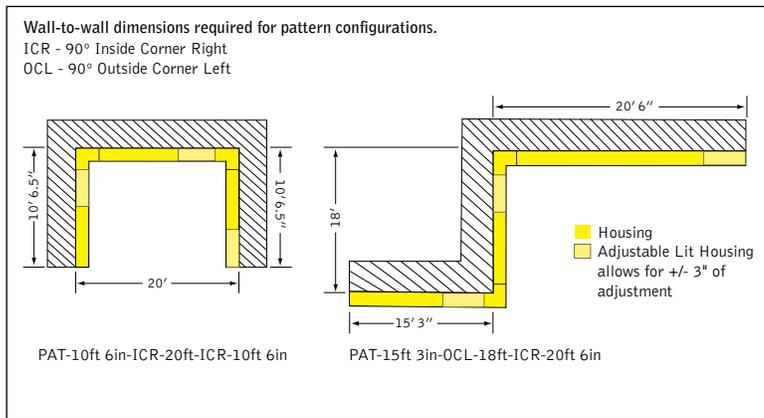


Options in orange qualify for the Quickship program. Run lengths in 1' increments, 400' total. Refer to Quickship Guide for complete details.

fixture:

project:

PATTERN CONFIGURATIONS



TW 4' PERFORMANCE CHARTS

Lumen Output	Nominal Lumens	LPW							
		FLO		FL1		FL2		FL4	
		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
275LF	1100	11.3	98	11.0	100	11.6	95	11.6	95
375LF	1500	15.0	100	14.5	103	15.9	94	15.5	97
625LF	2500	24.8	101	23.9	105	27.4	91	26.6	94
875LF	3500	36.7	95	35.4	99	39.3	89	38.2	92
1000LF	4000	42.0	95	40.5	99	45.1	89	43.8	91

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

Lumen Output	Nominal Lumens	LPW											
		GR0		GR1		GR2		GR4		AF0		AF1	
		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
275LF	1100	10.5	105	10.7	103	11.0	100	11.3	97	10.3	107	10.5	105
375LF	1500	13.9	108	14.1	106	14.6	103	15.1	100	13.6	111	13.8	109
625LF	2500	22.7	110	23.2	108	24.1	104	24.9	101	22.2	113	22.7	110
875LF	3500	33.5	105	34.2	102	35.6	98	36.8	95	32.6	107	33.3	105
1000LF	4000	38.3	105	39.0	102	40.7	98	42.2	95	37.2	107	38.1	105

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

Lumen Multipliers

CRI	Multiplier
80+	1.16
90+	1.00

Wattage Multipliers

CCT	Multiplier
2700K	1.00
3000K	0.96
3500K	0.92
4000K	0.89
5000K	0.88
5700K	0.87



TUNABLE WHITE

- Luminaire Series** FSM4PR
- Seem 4 LED Perimeter
- 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 DITW, 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

- Voltage** UNV
- 120/277 UNV Volt

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

- Mounting**
- Flush (FLO, GR0 & AF0) G
- Lay-in Grid ST
- Slot Tee / Tegular TF
- Trim Flange Drywall XFF
- Mud-in Trimless Drywall
- Regressed (AF1, FL1, FL2, FL4, GR1, GR2 & GR4) Grid X
- Trimless Drywall GF

- 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.)

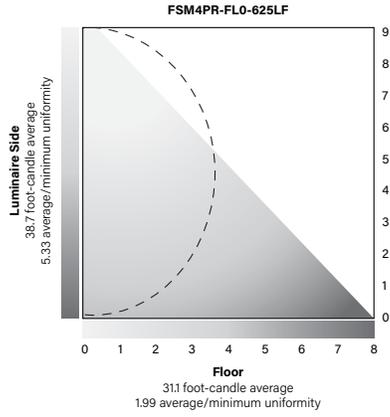
- Finish** WH
- Matte White Housing WH
- Luminaire Length** ft_in
- Specify luminaire/row length in 1" increments
- (2' minimum length)

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

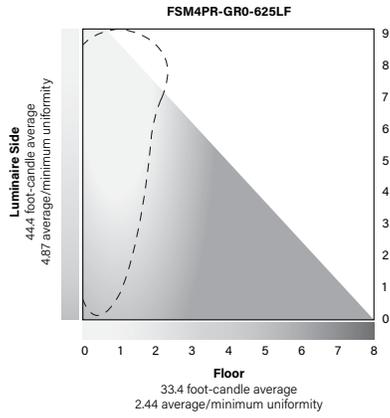
Example: FSM4PR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10

SELECTING THE BEST OPTIC FOR EACH APPLICATION

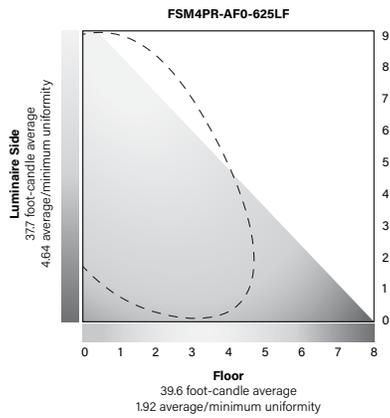
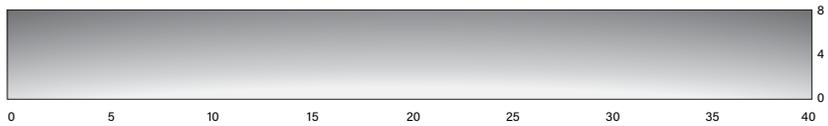
8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor



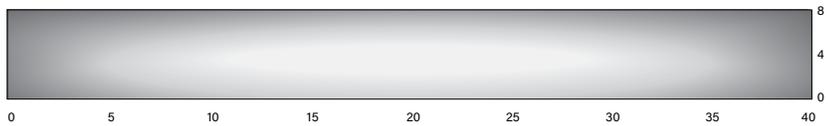
Standard Lens
The standard optic results in a Lambertian light distribution that provides uniform illumination. It is ideal to create a glowing transition between the walls and ceiling, adding dimension to the space.



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 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 (Remote)*	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated (Remote)*	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify	0-10V
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	Optotronic by eldoLED	0-10V
	LAW1	A-WN-D01-RF-WH	Clear Connect	Athena Wireless	Node	Enabled (Remote)‡	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	LAWS	A-WN-D01-OCC-WH	Clear Connect	Athena Wireless	Sensor	Integrated (Remote)*	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	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.

‡Enabled (remote): Luminaire supplied with a node/controller to be installed in a remote location by others.

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.

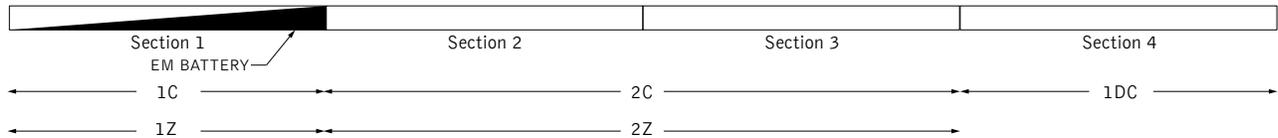
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: <u>32ft</u>		JOB NAME: _____			FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
					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	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: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			EM
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			
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								

WORKSHEET

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.