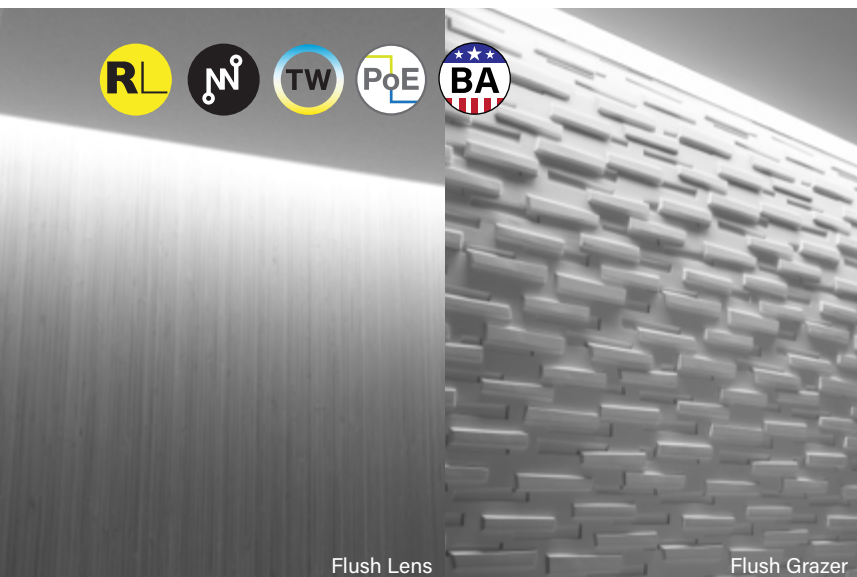


# Seem® 4

LED PERIMETER



Flush Lens

Flush Grazer



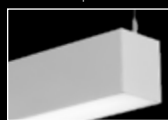
recessed companion



wall to ceiling companion

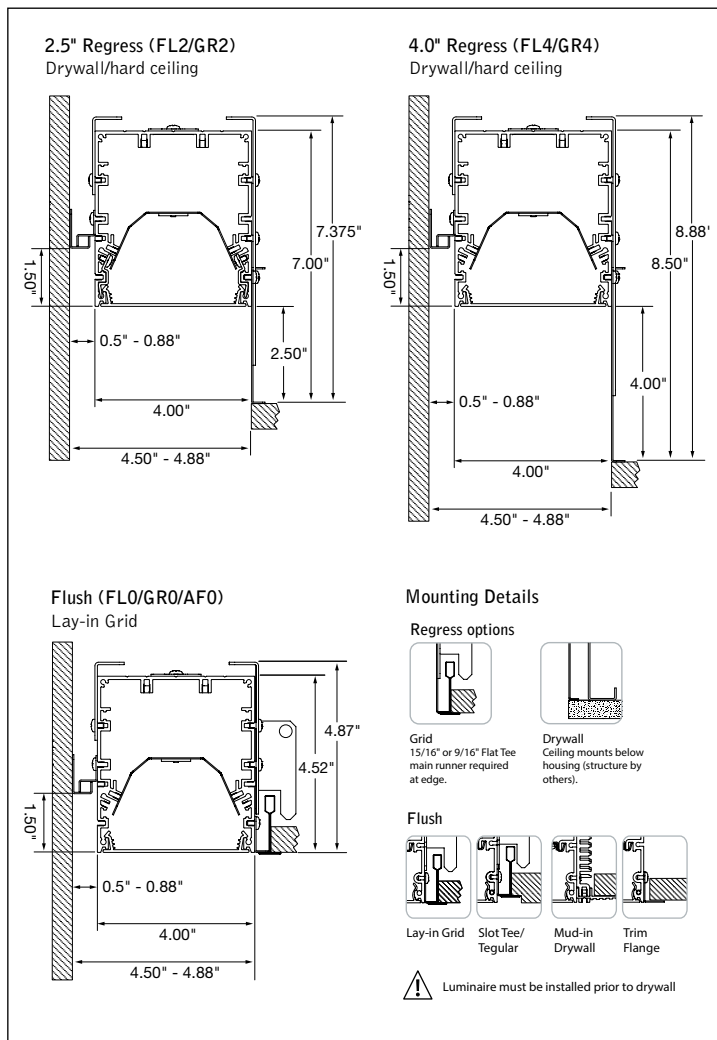


wall mount companion



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.

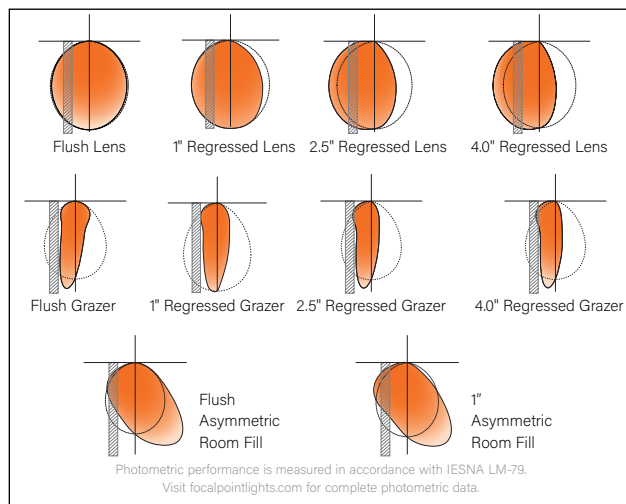
Adjustable housing option provides flexibility with +/- 3 inch adjustability for wall-to-wall illumination.

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.

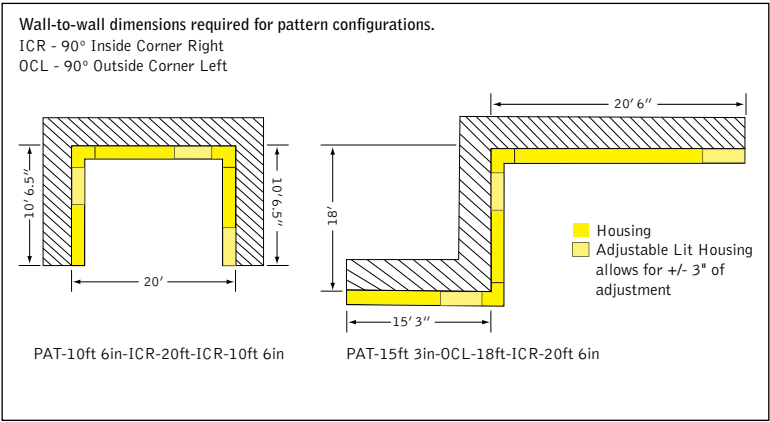
## DISTRIBUTIONS



fixture:

project:

PATTERN CONFIGURATIONS



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%.



10 DAY

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

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

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\*

1.0" Regress **FL0**

2.5" Regress **FL1**

4.0" Regress **FL2**

Flush Grazer **FL4**

1.0" Regress Grazer **GR0**

2.5" Regress Grazer **GR1**

4.0" Regress Grazer **GR2**

Flush Asymmetric Room Fill\* **GR4**

1.0" Regress Asymmetric Room Fill **AF0**

\*(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 **L1**

Low Voltage, PoE compatible **LVN**

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

Lutron Hi-Lume EcoSystem (LDE1) - **LH1**

1% Dimming

DALI 1% Dimming **D1**

Wattstopper DLM - 1% Dimming<sup>1,2</sup> **DLM1**

(Not available with CP)

Wattstopper Fixture Sensor<sup>1</sup> **LMFS1**

Low Density - 1% Dimming

(Remote mounted sensor. See sensor layout guide.)

Wattstopper Fixture Sensor<sup>1</sup> **LMFSD**

High Density - 1% Dimming

(Remote mounted sensor. See sensor layout guide.)

Lutron Athena Wireless Node<sup>1,2,3</sup> **LAW1**

Lutron Athena Wireless Sensor<sup>1,3</sup> **LAWS**

(Remote mounted sensor. See sensor layout guide.)

Acuity nLight - 1% Dimming<sup>1,2</sup> **NLT1**

(Not available with CP)

Encelium CLM Connected Lighting<sup>1,2</sup> **CLM1**

Module - 1% Dimming

Current NX Enabled - 1% Dimming<sup>1,2</sup> **NXE1**

(Not available with CP)

WaveLinux Pro - 1% Dimming<sup>1</sup> **WLXP**

(Remote mounted sensor. See sensor layout guide.)

<sup>1</sup>(3' minimum length, 7' minimum length with FXH & EM. Not available with ALH.) <sup>2</sup>(G & ST mounting only.)

<sup>3</sup>(0-10V standard, consult factory for DALI)

Mounting

Flush (FL0, GR0 & AF0) **G**

Regressed (AF1, FL1, FL2, FL4, GR1, GR2 & GR4) **ST**

Slot Tee / Regular Trim Flange Drywall **TF**

Mud-in Trimless Drywall **XFF**

Grid Trimless Drywall **G**

**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<sup>1</sup> **\_EM**

Emergency Control Device<sup>1</sup> **\_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)

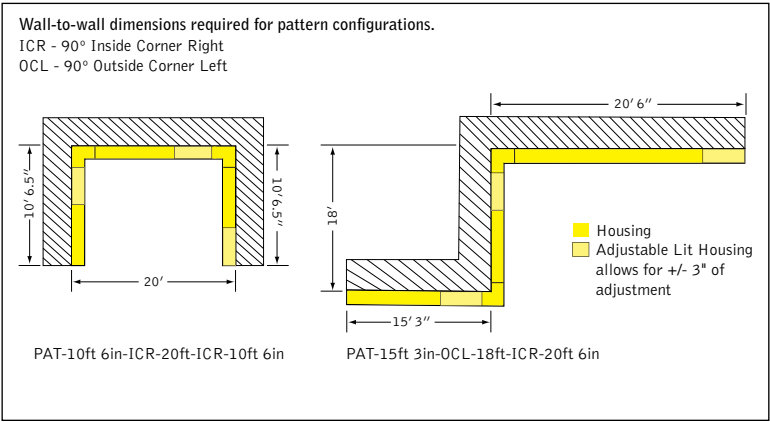
Example: FSM4PR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10

<sup>1</sup>4' minimum length. 120/277 Volt only. EM or ECD not available at corners.

fixture:

project:

PATTERN CONFIGURATIONS



TW 4<sup>th</sup> PERFORMANCE CHARTS

Lumen Output	Nominal Lumens	Tested System Watts	LPW			
			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%.

Lumen Output	Nominal Lumens	Tested System Watts	LPW					
			GR0	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

CCT	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

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<sup>†</sup> FL0

1.0" Regress FL1

2.5" Regress FL2

4.0" Regress FL4

Flush Grazer<sup>†</sup> 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

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.)

Acuty nLight - 1% Dimming NLT1

(Not available with CP.)

†(Consult factory)

Mounting

Flush Lay-in Grid G

(FL0, GR0 & AF0) Slot Tee / Tegular ST

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 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<sup>†</sup> \_EM

Emergency Control Device<sup>†</sup> \_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

Matte White Housing WH

Luminaire Length

Specify luminaire/row length in 1" increments \_ft\_in

(2' minimum length)

Pattern Options

Specify patterns based on wall-to-wall dimensions PAT



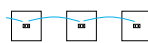












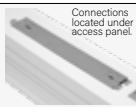


(See Pattern Configurations for example)

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

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



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>  WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	<b>Advance by Signify,</b> Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated	No	Wireless	<b>Advance by Signify</b>
		LMFSD	LMFS-601						<b>Optotronic by eldoLED (Dexal)</b>
 <b>COOPER</b> Lighting Solutions		WLXP	OEM-WAA	WaveLinX Wireless	WaveLinX Pro Trellix	Integrated	No	Wireless (WaveLinX Pro Wireless Area Controller)	<b>Advance by Signify</b>
 <b>CRESTRON</b>	 <small>Connections located under access panel.</small>	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>LUTRON</b>		LAW1	A-WN-D01-RF-WH	DALI, 0-10V	Athena Wireless	Enabled	No	Wireless	<b>Advance by Signify</b>
		LAWS	A-WN-D01-OCC-WH	DALI, 0-10V	Athena Wireless	Integrated	No	Wireless	<b>Advance by Signify</b>
	 <small>Connections located under access panel.</small>	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	<b>Lutron Hi-Lume</b>
 <b>nLIGHT</b>	 <small>Connections located under access panel.</small>	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	<b>eldoLED ECOdrive,</b> eldoLED SOLOdrive
		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.

# 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.

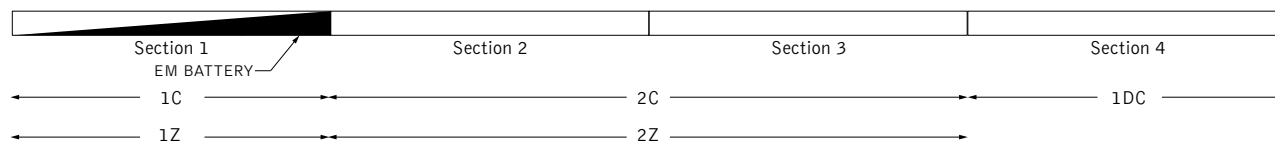
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

EXAMPLE	TOTAL RUN LENGTH: 32ft		JOB NAME:			FIXTURE TYPE:			
	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	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

**Z = Dimming Zone**  
Dimming Control Wires

**DL = Daylight Zone**  
Daylight Dimming Control Wires

**DC = Daylight Circuit**  
Switched Hot / Separate Neutral

**EC = Emergency Circuit**  
Switched Hot / Separate Neutral

**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



TOTAL RUN LENGTH: _____		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	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering Codes								

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.