

Seem® 2 Grid Ceiling

LED



0.5" pop-down lens



regress lens



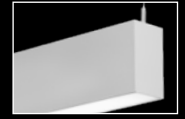
recessed



wall to ceiling
companion

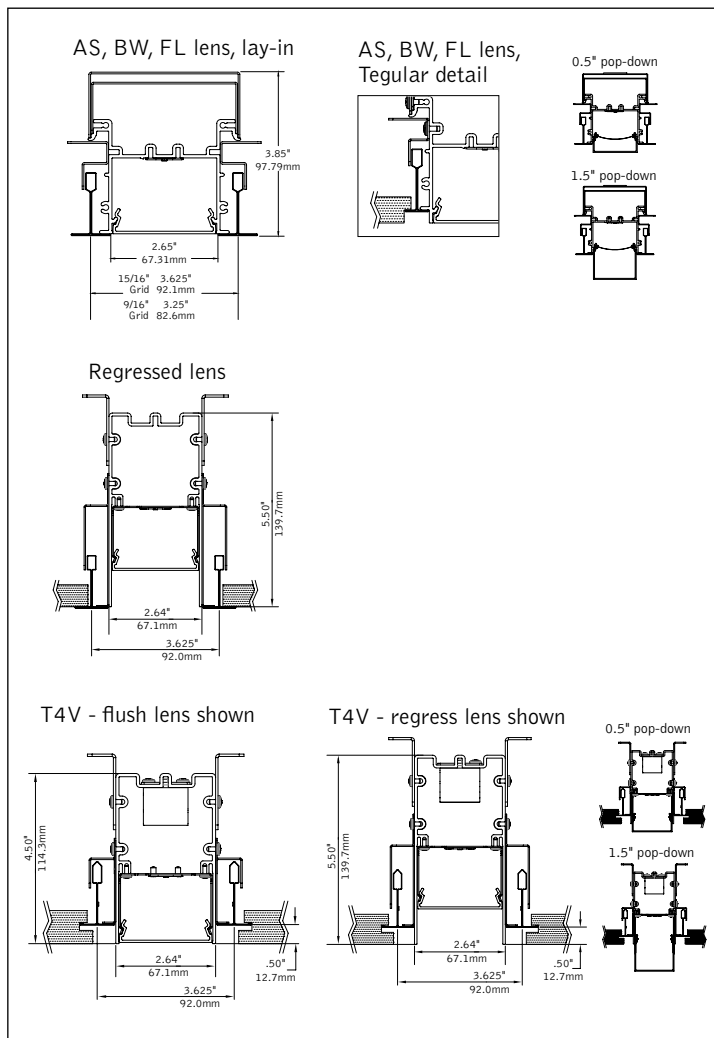


perimeter
companion



suspended & wall
mount companions

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED.

Individual units and continuous runs in 1" increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

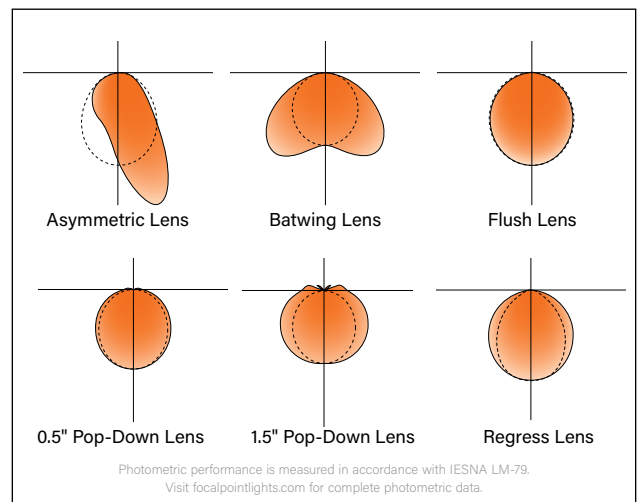
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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:

4' PERFORMANCE CHART

Shielding		Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Asymmetric Lens		125LF	500	5.9	85
		250LF	1000	8.2	122
		375LF	1500	11.1	135
		500LF	2000	14.5	138
		625LF	2500	17.9	140
		750LF	3000	22.1	136
		875LF	3500	25.9	135
		1000LF	4000	29.8	134
Batwing Lens		125LF	500	5.5	91
		250LF	1000	8.7	115
		375LF	1500	12.0	125
		500LF	2000	15.5	129
		625LF	2500	20.0	125
		750LF	3000	24.0	125
		875LF	3500	28.1	125
		1000LF	4000	32.4	123
Flush Lens		125LF	500	5.6	89
		250LF	1000	9.0	111
		375LF	1500	12.4	121
		500LF	2000	16.2	124
		625LF	2500	20.8	120
		750LF	3000	24.9	120
		875LF	3500	29.3	119
		1000LF	4000	33.8	118
Pop Down 0.5" Lens		125LF	500	5.9	85
		250LF	1000	9.5	105
		375LF	1500	13.1	114
		500LF	2000	17.2	116
		625LF	2500	22.1	113
		750LF	3000	26.7	112
		875LF	3500	31.3	112
		1000LF	4000	36.2	110
Pop Down 1.5" Lens		125LF	500	5.8	86
		250LF	1000	9.3	107
		375LF	1500	12.9	116
		500LF	2000	16.9	118
		625LF	2500	21.8	115
		750LF	3000	26.2	114
		875LF	3500	30.8	114
		1000LF	4000	35.6	112
Regress Lens		125LF	500	5.9	85
		250LF	1000	9.6	104
		375LF	1500	13.4	112
		500LF	2000	17.5	114
		625LF	2500	22.5	111
		750LF	3000	27.1	111
		875LF	3500	31.9	110
		1000LF	4000	36.9	109

Based on 3500K, 80CRI, 4' lengths. Lumen multiple 90+ CRI = 0.86. Continuous runs = 0.93 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

QS 10 DAY Options in orange qualify for the Quickship program. 1000' total, 48" maximum per pattern section. Refer to Quickship Guide for complete details including EM/EC options.

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

STANDARD WHITE

Luminaire Series

Seem 2 LED Grid

Shielding

Asymmetric Lens

Batwing Lens

Flush Lens

0.5" Pop-Down Lens

1.5" Pop-Down Lens

(Individual units only)

Regress Lens

(Housing height 5.5" Ceiling applications only)

Lumen Output

125 Lumens per foot

(LD1, L11 & D11 driver only. 4' minimum. Not available on patterns.)

250 Lumens per foot

(3' minimum with LH1. Not available on patterns with LH1.)

375 Lumens per foot

500 Lumens per foot

625 Lumens per foot

750 Lumens per foot

875 Lumens per foot

1000 Lumens per foot

Color Temperature

2700K, 80+ CRI or 90+ CRI

3000K, 80+ CRI or 90+ CRI

3500K, 80+ CRI or 90+ CRI

4000K, 80+ CRI or 90+ CRI

Circuits & Zones

1 Circuit, non-emergency

Consult Ordering Guide on page 5 for multiple circuiting and zoning options

Voltage

120/277 UNV Volt

347 Volt (LD1 & L11 driver only)

Low Voltage

Control System & Dimming Level

0-10V - 10% Dimming

0-10V - 1% Dimming

Low Voltage, PoE compatible

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

Lutron Hi-Lume EcoSystem (LDE1) -1% Dimming

DALI 1% Dimming

Wattstopper PLUS™

Connected Light Module

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

Wattstopper PLUS™

SensiLUM Wireless Sensor

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

Lutron Athena Wireless Node™

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

Lutron Athena Wireless Sensor™

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

Acuity nLight - 1% Dimming™

(Not available with CP)

Current NX Enabled - 1% Dimming™

(Not available with CP)

WaveLinx Pro - 1% Dimming™

See sensor layout guide

**(3' minimum length, with ECD/EM - 7' minimum. Not available with pop-down lenses.)

Ceiling Configuration

Std. 15/16" Lay-in (G1) or Tegular (T1)

Std. 9/16" Lay-in (G2) or Tegular (T2)

9/16" Slot-tee Tegular

Tall 15/16" Lay-in (G4) or Tegular (T4)

Tall 15/16" Tegular for specialty ceilings (0.5" drop)

Tall 9/16" Lay-in (G5) or Tegular (T5)

Node 9/16" Tegular

T6

Factory Options

(See Ordering Guide for ordering details for DC, EC, EM, & ECD)

Chicago Plenum

(Not available with Flex Whip)

Daylight Circuit

Emergency Circuit

Emergency Battery Pack†

Emergency Control Device†

†(4' minimum, 6' minimum with patterns. 120/277 Volt only. Not available at corners.)

6' New York City Flex Whip (120V)

6' New York City Flex Whip (277V)

6' Flex Whip

Finish

Matte White Housing

Luminaire Length

Specify luminaire/row length in 1" increments

(2' minimum, lengths are nominal 1" increments based on T-centers. Housing length is 1" shorter than specified. Leave blank for patterns. Smaller increments available, consult factory.)

Pattern Options

(4' minimum length)

'L' pattern

'U' pattern

Rectangular pattern

(Consult factory for other pattern options)

FSM2L

FSM2L

AS

BW

FL

PD05

PD15

SR

125LF

250LF

375LF

500LF

625LF

750LF

875LF

1000LF

27K or 927K

30K or 930K

35K or 935K

40K or 940K

1C

_C_Z_DL

UNV

347V

LV

LD1

L11

LVN

LH1

D11

WSPC

WSPS

LAW1

LAWS

NLT1

NXE1

WLXP

G1 or T1

G2 or T2

G3

G4 or T4

T4V

G5 or T5

T6

CP

_DC

_EC

_EM

_ECD

FSM2L

AS

BW

FL

PD05

PD15

SR

125LF

250LF

375LF

500LF

625LF

750LF

875LF

1000LF

27K or 927K

30K or 930K

35K or 935K

40K or 940K

1C

_C_Z_DL

UNV

347V

LV

LD1

L11

LVN

LH1

D11

WSPC

WSPS

LAW1

LAWS

NLT1

NXE1

WLXP

G1 or T1

G2 or T2

G3

G4 or T4

T4V

G5 or T5

T6

CP

_DC

_EC

_EM

_ECD

FSM2L

AS

BW

FL

PD05

PD15

SR

125LF

250LF

375LF

500LF

625LF

750LF

875LF

1000LF

27K or 927K

30K or 930K

35K or 935K

40K or 940K

1C

_C_Z_DL

UNV

347V

LV

LD1

L11

LVN

fixture:

project:



4' PERFORMANCE CHART

Shielding		Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Asymmetric Lens		125LF	500	5.9	84
		250LF	1000	9.9	101
		375LF	1500	13.7	109
		500LF	2000	18.0	111
		625LF	2500	23.3	107
		750LF	3000	28.1	107
		875LF	3500	33.1	106
		1000LF	4000	38.3	104
Batwing Lens		125LF	500	6.2	81
		250LF	1000	10.3	97
		375LF	1500	14.8	101
		500LF	2000	19.5	103
		625LF	2500	25.3	99
		750LF	3000	30.6	98
		875LF	3500	36.1	97
		1000LF	4000	41.8	96
Flush Lens		125LF	500	6.3	79
		250LF	1000	10.7	94
		375LF	1500	15.4	98
		500LF	2000	20.3	99
		625LF	2500	26.3	95
		750LF	3000	31.9	94
		875LF	3500	37.7	93
		1000LF	4000	43.2	93
Pop Down 0.5" Lens		125LF	500	6.7	75
		250LF	1000	11.3	89
		375LF	1500	16.3	92
		500LF	2000	22.4	89
		625LF	2500	28.1	89
		750LF	3000	34.2	88
		875LF	3500	40.5	86
		1000LF	4000	46.4	86
Pop Down 1.5" Lens		125LF	500	6.6	76
		250LF	1000	11.1	90
		375LF	1500	16.1	93
		500LF	2000	21.3	94
		625LF	2500	27.6	90
		750LF	3000	33.6	89
		875LF	3500	39.7	88
		1000LF	4000	45.6	88
Regress Lens		125LF	500	6.8	74
		250LF	1000	11.4	87
		375LF	1500	16.6	90
		500LF	2000	22.8	88
		625LF	2500	28.7	87
		750LF	3000	34.8	86
		875LF	3500	41.2	85
		1000LF	4000	47.2	85

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

Lumen Multiplier		Wattage Multipliers	
CRI	Multiplier	CCT	Multiplier
80+	1.16	2700K	1.00
90+	1.00	3000K	0.96
		3500K	0.92
		4000K	0.89
		5000K	0.88
		5700K	0.87



TUNABLE WHITE

Luminaire Series

Seem 2 LED Grid

FSM2L

Shielding

Asymmetric Lens

AS

Batwing Lens

BW

Flush Lens

FL

0.5" Pop-Down Lens

PD05

1.5" Pop-Down Lens

PD15

Regress Lens

SR

(Housing height 5.5" Ceiling applications only)

Lumen Output

125 Lumens per foot

125LF

250 Lumens per foot

250LF

375 Lumens per foot

375LF

500 Lumens per foot

500LF

625 Lumens per foot

625LF

750 Lumens per foot

750LF

875 Lumens per foot

875LF

1000 Lumens per foot

1000LF

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

120/277 UNV Volt

UNV

347 Volt (LD1 & L11 driver only.)

347V

Low Voltage

LV

Control System & Dimming Level

DALI 1% Dimming*

D1TW

(Default driver offers DT6 control. It requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8. Extended lead time applies.)

Ceiling Configuration

Std. 15/16" Lay-in (G1) or Tegular (T1)

G1 or T1

Std. 9/16" Lay-in (G2) or Tegular (T2)

G2 or T2

9/16" Slot-tee Tegular

G3

Tall 15/16" Lay-in (G4) or Tegular (T4)

G4 or T4

Tall 15/16" Tegular for specialty ceilings (0.5" drop)

T4V

Tall 9/16" Lay-in (G5) or Tegular (T5)

G5 or T5

Node 9/16" Tegular

T6

Factory Options

(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

†(4' minimum, 6' minimum with patterns. 120/277 Volt only. Not available at corners.)

6' New York City Flex Whip (120V)

FNY1

6' New York City Flex Whip (277V)

FNY2

6' Flex Whip

FW

Finish

Matte White Housing

WH

Luminaire Length

Specify luminaire/row length in 1" increments

_ft _in

(2' minimum, lengths are nominal 1" increments based on T-centers. Housing length is 1" shorter than specified. Leave blank for patterns. Smaller increments available; consult factory.)

Pattern Options

(4' minimum length)

'L' pattern

A' x B'

'U' pattern

A' x B' x C'

Rectangular pattern

A' x B' R

(Consult factory for other pattern options)

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. Non-Regress housing LED modules are replaceable from below, driver access above ceiling. Regress housing LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Steel driver compartment. Flush lens weights: 4' unit: 12.18 lbs., 8' unit: 21.34 lbs. Regress lens weights: 4' unit: 10.1 lbs., 8' unit: 20.2 lbs.

Optic

Extruded acrylic lens .060" thick with satin finish, up to 8' continuous. Regress lens .118" thick acrylic lay-in lens and 22 Ga. reflector finished in high reflectance white powder coat.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and 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

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.3ft (FL), 15.6ft (PD05). Emergency Circuit with Connected Solutions (WSPC, WSPS, NLT1, 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 385,000 hours
L90 at >61,000 hours	L90 at 103,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

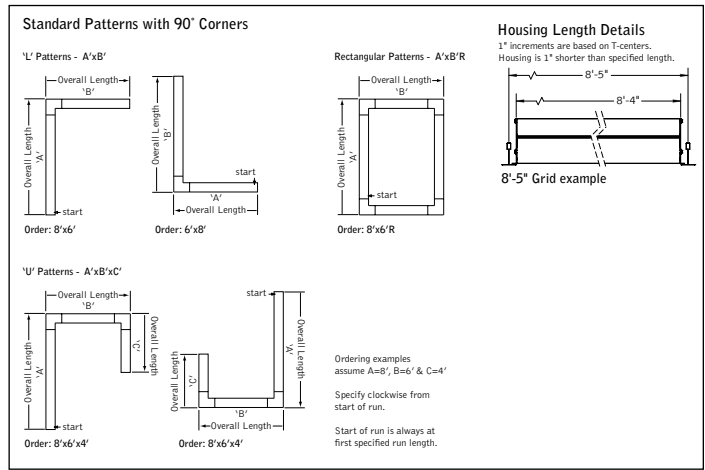
Reliability

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.

DETAILS



Declare.

Seem Linear Luminaires Focal Point, LLC

Final Assembly: Chicago, IL, USA
Life Expectancy: 10 Year(s)
End of Life Options: Recyclable (55%), Landfill (45%)

Ingredients:

Aluminum Alloy 6063; UNS G10080 Steel Alloy; Small Electrical Components - RoHS Compliant¹; Copper; Polymethyl methacrylate; Steel; Poly[imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl]; **Polyvinyl chloride**; Aluminum Alloy 6061; UNS S30400 Stainless Steel Alloy; Steel manufacture, chemicals; 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate; Nylon 6; **Benzene, ethenyl-, homopolymer, brominated**; **Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)**; Tris(2-ethylhexyl) trimellitate; Zinc; Methyl methacrylate; Antimony oxide (Antimony trioxide); Kaolin, calcined; Octadecanoic acid, calcium salt; Steel, carbon

¹LBC Temp Exception RL-002 - Small Electrical Components

Living Building Challenge Criteria:

I-13 Red List:

☐ LBC Red List Free	% Disclosed: 100% at 100ppm
☐ LBC Red List Approved	VOC Content: Not Applicable
☒ Declared	

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

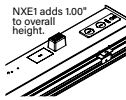
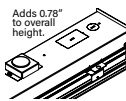
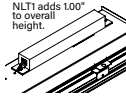
FPL-0003
EXP. 01 FEB 2027
Original Issue Date: 2024

INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

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*	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
									
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated*	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†	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	LAWS	A-WN-D01-OCC-WH	Clear Connect	Athena Wireless	Sensor	Integrated*	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.

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.

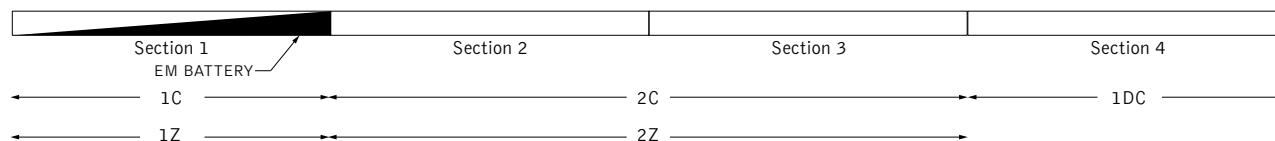
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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			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								

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.