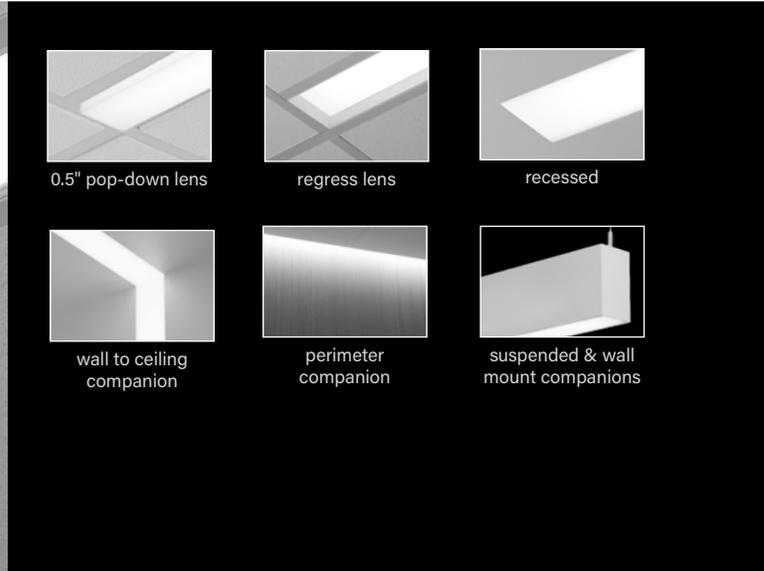
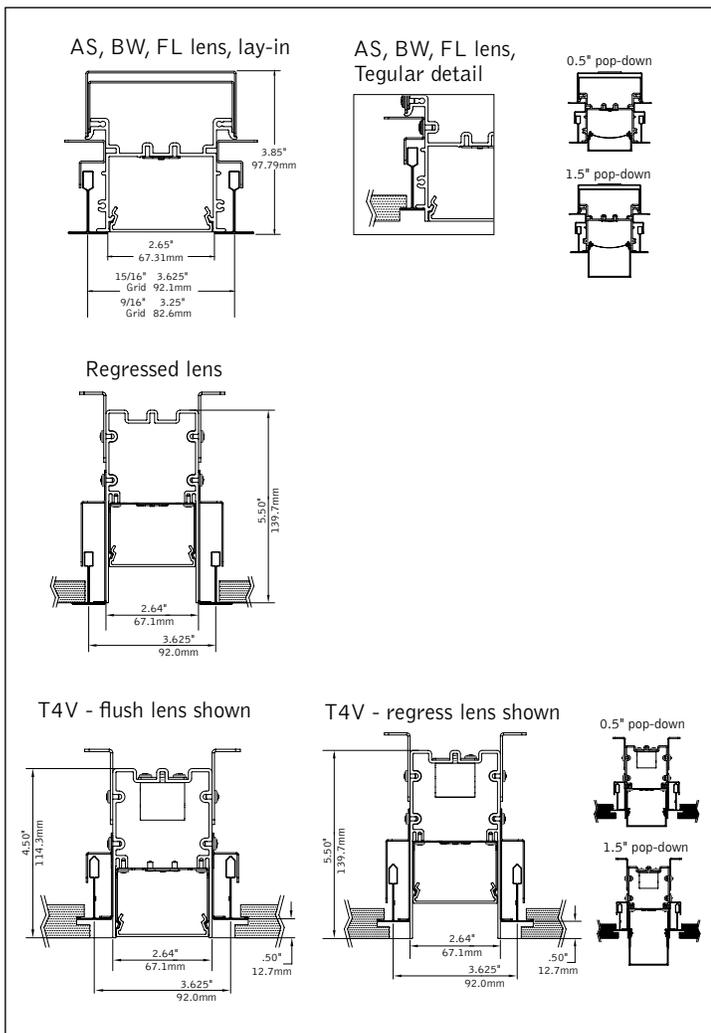


# Seem® 2 Grid Ceiling

LED



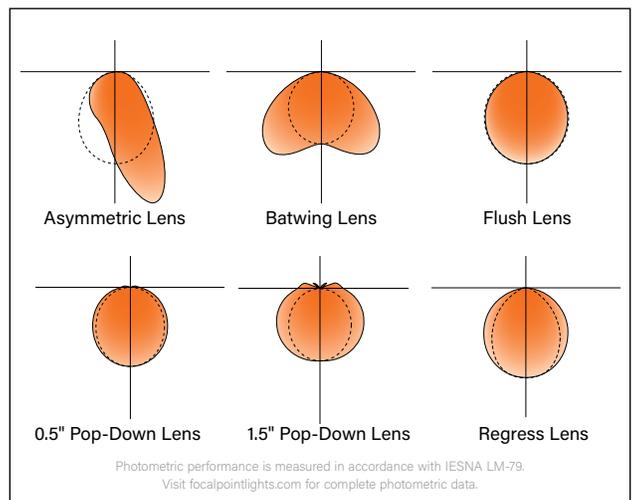
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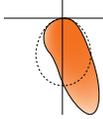
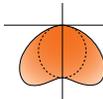
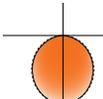
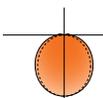
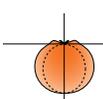
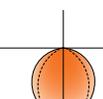
## FEATURES

- 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



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
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
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
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
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
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%.

STANDARD 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**

(Individual units only)

Regress Lens **SR**

(Housing height 5.5' Ceiling applications only)

Lumen Output

125 Lumens per foot **125LF**

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

250 Lumens per foot **250LF**

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

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

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**

347 Volt (LD1 & L11 driver only) **347V**

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\*\* **WSPC**

Connected Light Module

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

Wattstopper PLUS\*\* **WSPS**

SensiLUM Wireless Sensor

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

Lutron Athena Wireless Node\*\* **LAW1**

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

Lutron Athena Wireless Sensor\*\* **LAWS**

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

Acuity nLight - 1% Dimming\*\* **NLT1**

(Not available with CP)

Current NX Enabled - 1% Dimming\*\* **NXE1**

(Not available with CP)

WaveLinX Pro - 1% Dimming\*\* **WLXP**

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) **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**

Note 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**

**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'**

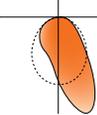
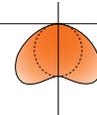
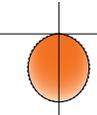
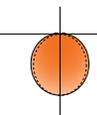
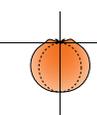
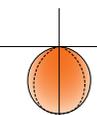
Rectangular pattern **A' x B' R**

(Consult factory for other pattern options)

**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.



**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
Batwing Lens 	1000LF	4000	38.3	104
	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
Flush Lens 	875LF	3500	36.1	97
	1000LF	4000	41.8	96
	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
Pop Down 0.5" Lens 	750LF	3000	31.9	94
	875LF	3500	37.7	93
	1000LF	4000	43.2	93
	125LF	500	6.7	75
	250LF	1000	11.3	89
	375LF	1500	16.3	92
	500LF	2000	22.4	89
Pop Down 1.5" Lens 	625LF	2500	28.1	89
	750LF	3000	34.2	88
	875LF	3500	40.5	86
	1000LF	4000	46.4	86
	125LF	500	6.6	76
	250LF	1000	11.1	90
	375LF	1500	16.1	93
Regress Lens 	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
	125LF	500	6.8	74
	250LF	1000	11.4	87

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.

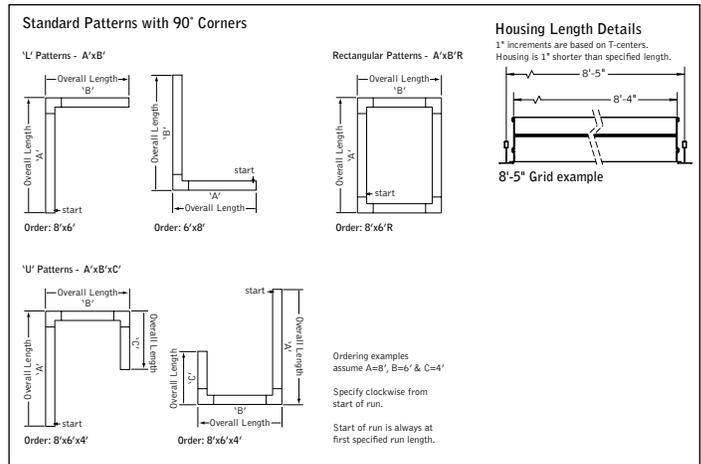
### Reliability

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.

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## Seem Linear Luminaires Focal Point, LLC

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

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**Ingredients:**

Aluminum Alloy 6063; UNS G10080 Steel Alloy; Small Electrical Components - RoHS Compliant<sup>1</sup>; Copper; Polymethyl methacrylate; Steel; Poly[imino(1,6-dioxo-1,6-hexanediy)imino-1,6-hexanediy]; 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

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<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

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**Living Building Challenge Criteria:**

**I-13 Red List:**

<input type="checkbox"/> LBC Red List Free	% Disclosed: 100% at 100ppm
<input type="checkbox"/> LBC Red List Approved	VOC Content: Not Applicable
<input checked="" type="checkbox"/> Declared	

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

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

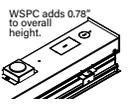
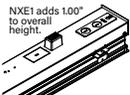
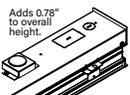
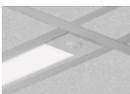
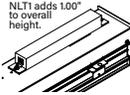
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MAKE THE CHOICE RESPONSIBLE FOR THE FUTURE.  
 INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

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 <b>bold</b> . To specify a particular driver please consult factory.)	Driver Type
WATTSTOPPER®									
 WSPC adds 0.78" to overall height.	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	WSPS	EN-CLM-PIR-DD-ZB	ZigBee	Wattstopper PLUS	Sensor	Integrated*	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated*	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>	<b>0-10V</b>
 NXE1 adds 1.00" to overall height.	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	<b>Optotronic by eldoLED</b>	0-10V
 Adds 0.78" to overall height.	LAW1	A-WN-D01-RF-WH	Clear Connect	Athena Wireless	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	LAWS	A-WN-D01-OCC-WH	Clear Connect	Athena Wireless	Sensor	Integrated*	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
 NLT1 adds 1.00" to overall height.	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	<b>eldoLED ECOdrive, eldoLED SOLOdrive</b>	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.

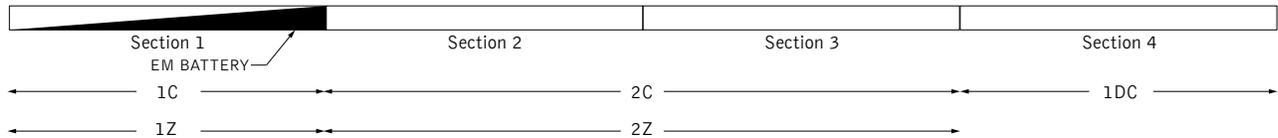
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

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			
<b>Totals / Ordering Codes</b>		<b>2C</b>	<b>2Z</b>		<b>1DC</b>			<b>1EM</b>

ORDERING: FSM4L-FL-625LF-35K- **2C2Z** -UNV-LD1-G2- **1DC-1EM** -WH-32ft



KEY	
<b>C = Switching Circuit</b> Switched Hot / Shared Neutral	<b>DC = Daylight Circuit</b> Switched Hot / Separate Neutral
<b>Z = Dimming Zone</b> Dimming Control Wires	<b>EC = Emergency Circuit</b> Switched Hot / Separate Neutral
<b>DL = Daylight Zone</b> Daylight Dimming Control Wires	<b>EM = Emergency Battery</b> Unswitched Hot / Shared Neutral
	<b>ECD = Emergency Control Device</b> 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								
<b>Totals / Ordering Codes</b>								

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.