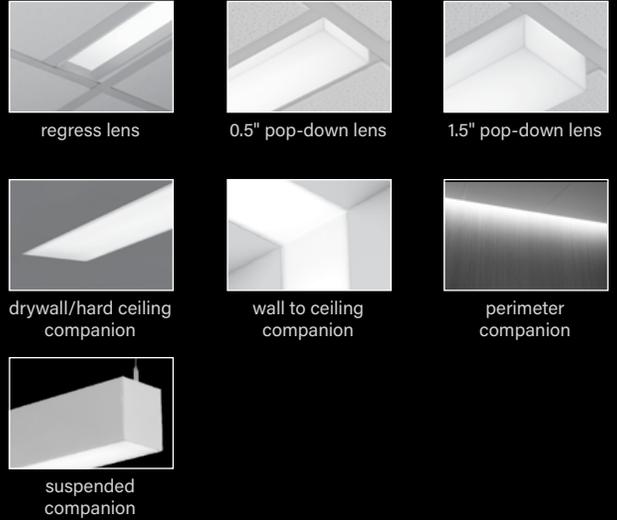
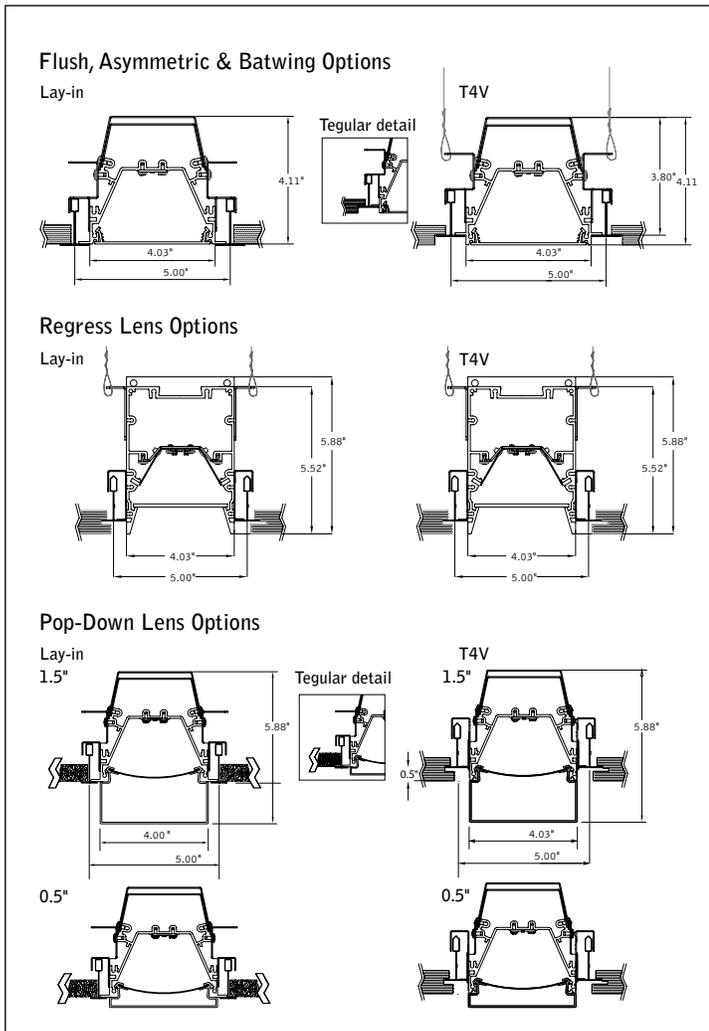


# Seem® 4 Grid Ceiling

LED



## DIMENSIONAL DATA



## FEATURES

4" aperture recessed slot LED integrates with grid ceilings for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1" increments.

Available in flush, asymmetric, asymmetric room fill, batwing, regress, 0.5" or 1.5" pop-down lens.

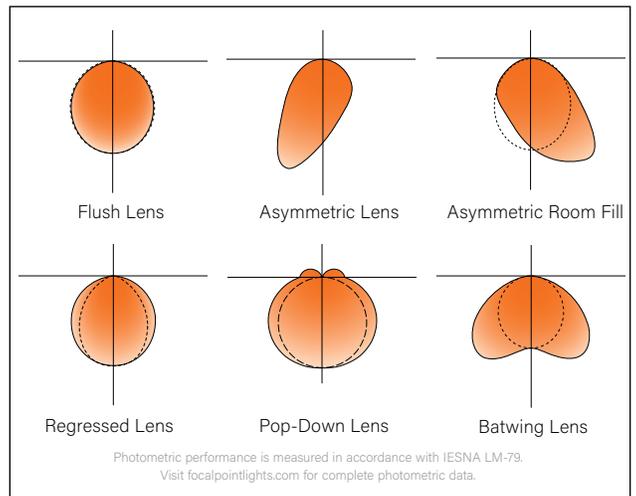
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

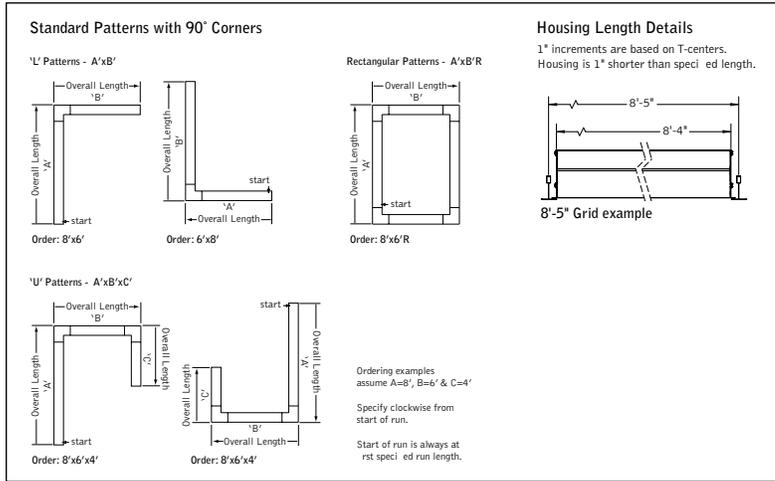
Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

## DISTRIBUTIONS



**DETAILS**



**4' PERFORMANCE CHART**

Lumen Output	Nominal Lumens	BW		FL		AS		AF	
		Tested System Watts	LPW						
275LF	1100	8.8	125	9.1	121	8.5	130	8.6	128
375LF	1500	11.3	133	11.7	129	10.8	138	11.0	137
625LF	2500	19.0	131	19.7	127	18.3	137	18.5	135
875LF	3500	27.0	129	27.9	125	25.9	135	26.2	133
1000LF	4000	31.1	129	32.2	124	29.8	134	30.2	132
1125LF	4500	35.4	127	36.6	123	33.9	133	34.4	131
1250LF	5000	39.8	126	41.2	121	38.1	131	38.6	129

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

**4' PERFORMANCE CHART - REGRESS**

Lumen Output	Nominal Lumens	SR		SRXP	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.4	117	8.7	127
375LF	1500	12.5	120	11.1	135
625LF	2500	21.1	118	18.7	134
875LF	3500	30.0	117	26.5	132
1000LF	4000	34.6	116	30.6	131
1125LF	4500	39.5	114	34.8	129
1250LF	5000	44.4	113	39.0	128

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

**4' PERFORMANCE CHART - POP-DOWN**

Lumen Output	Nominal Lumens	0.5"		1.5"	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	11.0	100	11.9	93
375LF	1500	14.7	102	15.8	95
625LF	2500	25.0	100	27.0	93
750LF	3000	30.3	99	32.7	92
875LF	3500	35.7	98	38.6	91
1000LF	4000	41.3	97	44.7	89

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

**STANDARD WHITE**

**Luminaire Series**

Seem 4 LED

**FSM4L**

**Shielding**

Asymmetric Lens

AS

Asymmetric Room Fill

AF

Batwing Lens

BW

Flush Satin Lens

FL

Regress Lens

SR

Regress High Performance Lens

SRXP

0.5" Pop-Down Lens (750LF max.)

PD05

1.5" Pop-Down Lens (750LF max. individual units only)

PD15

**Lumen Output**

275 Lumens per foot (Not available with LH1)

275LF

375 Lumens per foot (Not available with LH1)

375LF

625 Lumens per foot (BW, FL & SR 3' min. individual units only with LH1. SRXP 4' min. individual units only with LH1)

625LF

750 Lumens per foot (Pop-Down Lenses only)

750LF

875 Lumens per foot (SR & SRXP 3' min. individual units only with LH1)

875LF

1000 Lumens per foot

1000LF

1125 Lumens per foot

1125LF

1250 Lumens per foot

1250LF

**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 6 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

L1

Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only)

LVN

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

LAW1

Lutron Athena Wireless Sensor\*\* (0-10V standard. Consult Factory for DALI)

LAWS

Acuity nLight - 1% Dimming\*\* (Not available with CP)

NLT1

Current NX Enabled - 1% Dimming\*\* (Not available with CP)

NXE1

WaveLinux Pro - 1% Dimming\*\* (See sensor layout guide)

WLXP

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

**Ceiling Configuration**

Std. 15/16" Lay-in or Std. 15/16" Tegular

G1 or T1

Std. 9/16" Lay-in or Std. 9/16" Tegular

G2 or T2

9/16" Slot-tee Tegular

G3

Tall 15/16" Lay-in or Tall 15/16" Tegular

G4 or T4

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

T4V

Tall 9/16" Lay-in or Tall 9/16" Tegular

G5 or T5

Node 9/16" Tegular

T6

**Factory Options**

(See page 6 for ordering details for DC, EC, EM & ECD.)

Chicago Plenum

CP

(Not available with Flex Whip, NLT1 or NXE1)

Daylight Circuit

\_DC

Emergency Circuit

\_EC

Emergency Battery Pack†

\_EM

Emergency Control Device†

\_ECD

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

6' New York City Flex Whip 120V or 277V

FNY1 or FNY2

6' Flex Whip

FW

**Finish**

WH

Matte White Housing

WH

**Luminaire Length**

ft in

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. Individual units cannot be joined in the field.)

**Pattern Options**

(4' min. length. Not available with Pop-Down Lenses. Consult factory for other pattern options.)

'L' pattern

A' x B'

'U' pattern

A' x B' x C'

Rectangular pattern

A' x B' R



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.



**TUNABLE WHITE**

**Luminaire Series**

Seem 4 LED FSM4L

**Shielding**

Batwing Lens BW

Flush Satin Lens FL

Regress Lens (1000LF max.) SR

Regress High Performance Lens (1000LF max.) SRXP

0.5" Pop-Down Lens (750LF max.) PD05

1.5" Pop-Down Lens (750LF max., individual units only) PD15

**Lumen Output**

275 Lumens per foot 275LF

(BW, FL, SR & SRXP 3' min. with DT1W. SR, SRXP, PD05 & PD15 3' min. with LT1. FL & BW 4' min. with LT1.)

375 Lumens per foot 375LF

(BW, FL, SR & SRXP 3' min. with LT1.)

625 Lumens per foot 625LF

750 Lumens per foot (Pop-Down Lenses only) 750LF

875 Lumens per foot 875LF

1000 Lumens per foot 1000LF

1125 Lumens per foot 1125LF

**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 6 for multiple circuiting and zoning options \_C\_Z\_DL

**Voltage**

120/277 UNV Volt UNV

**Control System & Dimming Level**

Lutron T-Series - 1% Dimming LT1

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

\*\* (Consult factory. Not available with Pop-Down Lenses.)

[See sensor layout guide](#)

**Ceiling Configuration**

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

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

9/16" Slot-tee Tegular G3

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

Tall 15/16" Tegular for specialty ceilings (0.5" drop) T4V

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

Node 9/16" Tegular T6

**Factory Options**

(See page 6 for ordering details for DC, EC, EM & ECD.)

Chicago Plenum CP

(Not available with Flex Whip, NLT1 or NXE1.)

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 or 277V FNY1 or 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. Individual units cannot be joined in the field.)

**Pattern Options**

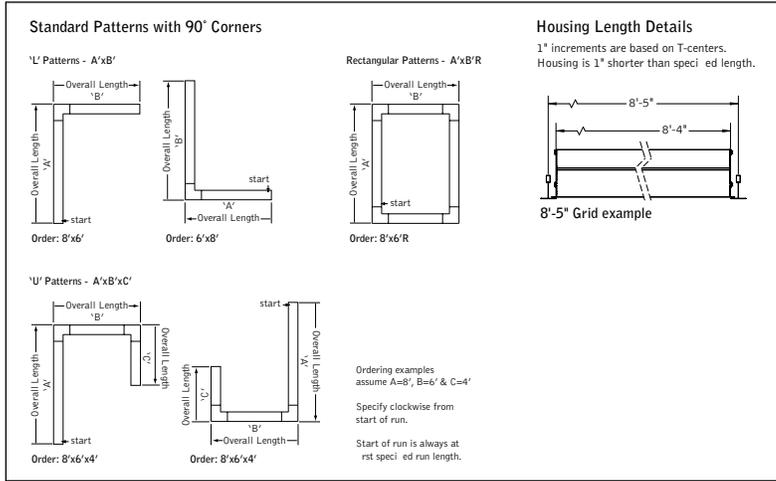
(4' min. length. Not available with Pop-Down Lenses. Consult factory for other pattern options.)

'L' pattern A' x B'

'U' pattern A' x B' x C'

Rectangular pattern A' x B' R

**DETAILS**



**TW 4' PERFORMANCE CHART**

Lumen Output	Nominal Lumens	LPW			
		BW		FL	
		Tested System Watts	Tested System Watts	Tested System Watts	Tested System Watts
275LF	1100	10.4	106	10.8	102
375LF	1500	13.9	108	14.5	104
625LF	2500	24.1	104	24.9	100
875LF	3500	34.8	101	35.9	97
1000LF	4000	40.1	100	41.2	97
1125LF	4500	45.6	99	46.9	96

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

**TW 4' PERFORMANCE CHART - REGRESS**

Lumen Output	Nominal Lumens	LPW			
		SR		SRXP	
		Tested System Watts	Tested System Watts	Tested System Watts	Tested System Watts
275LF	1100	11.1	99	10.3	107
375LF	1500	15.5	97	13.8	109
625LF	2500	26.8	93	23.8	105
875LF	3500	38.7	90	34.2	102
1000LF	4000	44.3	90	39.1	102

Based on 2700K, 90CRI, Based on 2700K, 80CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

**TW 4' PERFORMANCE CHART - POP-DOWN**

Lumen Output	Nominal Lumens	LPW			
		0.5"		1.5"	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	13.1	84	14.1	78
375LF	1500	18.3	82	19.6	76
625LF	2500	31.7	79	34.3	73
750LF	3000	38.8	77	41.9	72

Based on 2700K, 90CRI, 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

## 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 are replaceable from below. Asymmetric, Flush, Batwing and Pop-Down lenses driver access from above. Regress lens driver access from below.

### Construction

One piece extruded aluminum housing, 20 Ga. steel end caps. Steel driver compartment, flush lens only. Flush, Batwing and Pop-Down lens weights: 4' unit: 11 lbs., 8' unit: 22 lbs. Regress lens weights: 4' unit: 20 lbs., 8' unit: 40 lbs.

### Optic

Asymmetric, Flush, Batwing lens extruded acrylic .085" thick with satin finish up to 8' continuous. Pop-Down lens extruded acrylic .06" thick with frosted finish, up to 8' continuous. Regress lens .118" thick acrylic lay-in lens. 22 Ga. reflector finished in High Reflectance White powder coat.

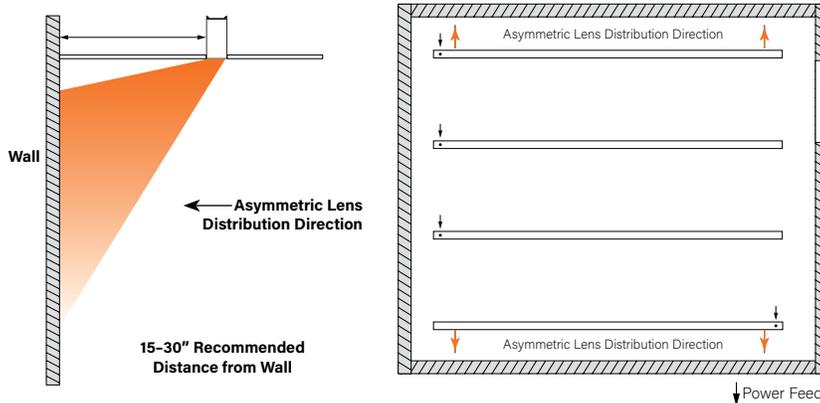
### Electrical

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. 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.

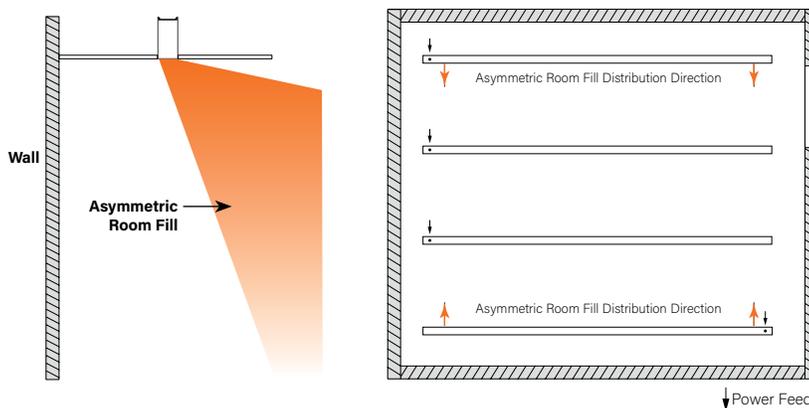
### Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.2ft. Emergency Circuit with Connected Solutions (WSPC, WSPS, NLT1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

### DIRECT ASYMMETRIC Standard Application Example



### DIRECT ASYMMETRIC ROOM FILL Standard Application Example



### 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  
L90 > 61,000 hours

Calculated: L70 at > 480,000 hours  
L90 at > 128,000 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.

# 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 Compliant<sup>1</sup>; Copper; Polymethyl methacrylate; Steel; Poly(imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl); 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

<sup>1</sup>LBC 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

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	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
Lighting Solutions									
	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	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	<b>Optotronic by eldoLED</b>	0-10V
	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	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.

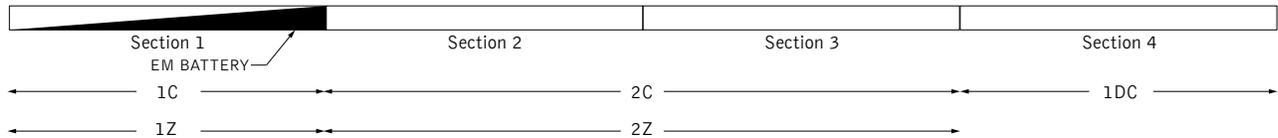
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: _____			
EXAMPLE	HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS		
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS		
						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.