

Seem® 4 Grid Ceiling

LED



regress lens



0.5" pop-down lens



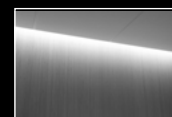
1.5" pop-down lens



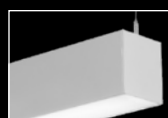
drywall/hard ceiling companion



wall to ceiling companion



perimeter companion

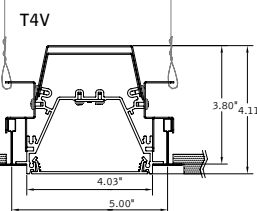
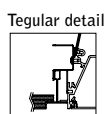
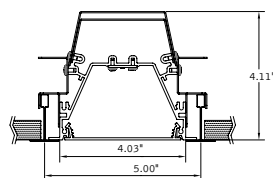


suspended companion

DIMENSIONAL DATA

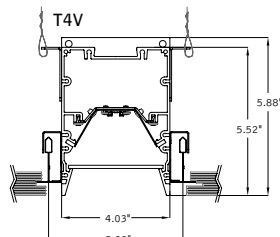
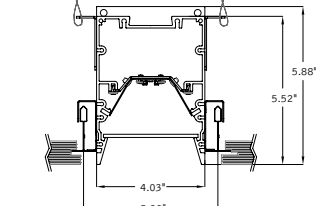
Flush, Asymmetric & Batwing Options

Lay-in



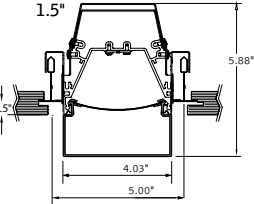
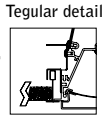
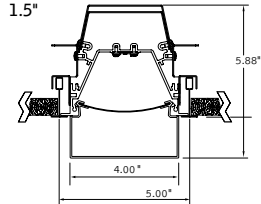
Regress Lens Options

Lay-in

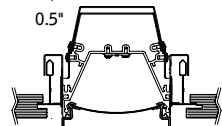
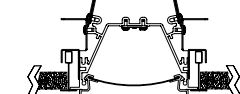


Pop-Down Lens Options

Lay-in



0.5"



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.

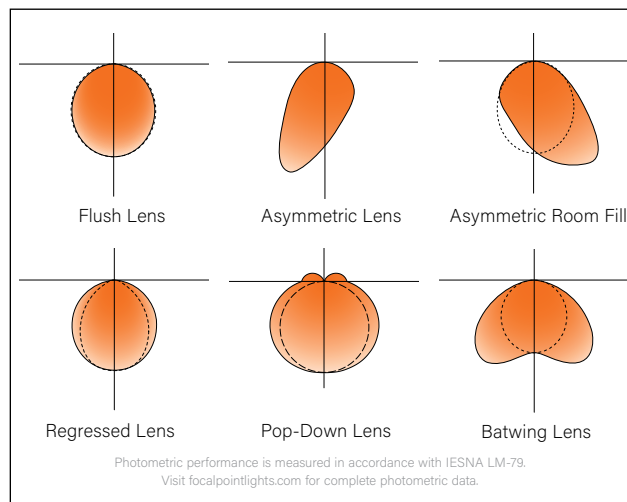
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

Standard Patterns with 90° Corners

'L' Patterns - A'xB'

Order: 8'x6'

'U' Patterns - A'xB'xC'

Order: 8'x6'x4'

Rectangular Patterns - A'xB'R

Order: 8'x6'R

Housing Length Details

1" increments are based on T-centers.
Housing is 1" shorter than specified length.

8'-5" Grid example

Ordering examples assume A=8', B=6' & C=4'

Specify clockwise from start of run.

Start of run is always at first specified run length.

4' PERFORMANCE CHART

Lumen Output	Nominal Lumens	BW		FL		AS		AF	
		Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.2	120	9.4	117	8.9	123	9.0	122
375LF	1500	11.7	129	12.0	125	11.3	133	11.4	131
625LF	2500	18.8	133	19.3	129	18.1	138	18.3	137
750LF	3000	22.5	133	24.0	125	21.7	138	21.9	137
875LF	3500	27.3	128	28.1	124	26.3	133	26.6	132
1000LF	4000	31.4	127	32.4	123	30.2	133	30.6	131
1125LF	4500	35.7	126	36.9	122	34.3	131	34.7	130
1250LF	5000	40.1	125	41.4	121	38.4	130	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 - REGRESS

Lumen Output	Nominal Lumens	SR		SRXP	
		Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	9.7	114	9.1	121
375LF	1500	12.7	118	11.5	130
625LF	2500	20.6	121	18.5	135
750LF	3000	25.6	117	22.9	131
875LF	3500	30.1	116	26.9	130
1000LF	4000	34.7	115	30.9	129
1125LF	4500	39.5	114	35.1	128
1250LF	5000	43.9	114	39.3	127

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	11.7	94
375LF	1500	14.6	103	15.5	97
625LF	2500	24.8	101	26.6	94
750LF	3000	30.0	100	32.3	93
875LF	3500	35.4	99	38.1	92
1000LF	4000	41.0	98	43.7	91

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

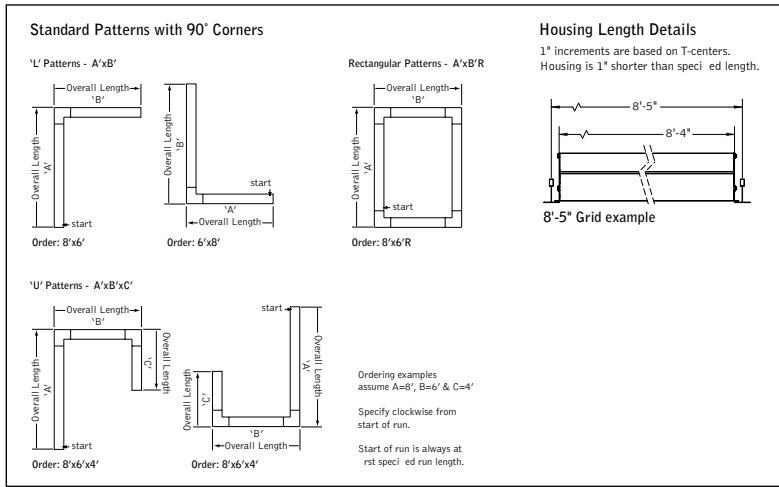


Options in orange qualify for the Quickship program. 1000' total, 48" maximum per pattern section. Refer to Quickship Guide for complete details including EM/EC options.

STANDARD WHITE

Luminaire Series	FSM4L
Seem 4 LED	
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 (SR & SRXP 3' min. individual units only with LH1)	750LF
875 Lumens per foot	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	L11
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only)	LVN
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming (625LF min.)	LH1
DALI 1% Dimming (1000LF max.)	D11
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** (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 (Not available with Flex Whip, NLT1 or NXE1)	CP
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 6" Flex Whip	FNY1 or FNY2 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		AS		AF	
		Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
275LF	1100	10.8	101	11.2	98	10.7	102	10.9	101
375LF	1500	14.4	104	14.8	101	13.9	108	14.1	106
625LF	2500	23.8	105	24.5	102	23.6	106	23.9	105
750LF	3000	28.7	105	30.7	98	27.5	109	27.8	108
875LF	3500	35.2	100	36.2	97	33.6	104	34.0	103
1000LF	4000	40.5	99	41.5	96	38.8	103	39.4	102
1125LF	4500	46.0	98	47.2	95	44.1	102	44.7	101

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	
275LF	1100	11.5	96	10.8	102
375LF	1500	15.7	95	14.3	105
625LF	2500	26.2	96	23.5	106
750LF	3000	32.8	91	29.4	102
875LF	3500	38.9	90	34.6	101
1000LF	4000	44.4	90	39.5	101

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	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



TUNABLE WHITE

Luminaire Series

Seem 4 LED FSM4L

Shielding

Asymmetric Lens	AS
Asymmetric Room Fill	AF
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 (BW, FL, SR & SRXP: 3' min. with D1TW. SR, SRXP, PD05 & PD15: 3' min. with FL & BW.)	275LF
375 Lumens per foot	375LF
625 Lumens per foot	625LF
750 Lumens per foot	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
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Control System & Dimming Level

DALI 1% Dimming (DT6 control. Requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8.)	D1TW
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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 Pack¹ _EM

Emergency Control Device¹ _ECD

¹ (Consult factory)

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

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.

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

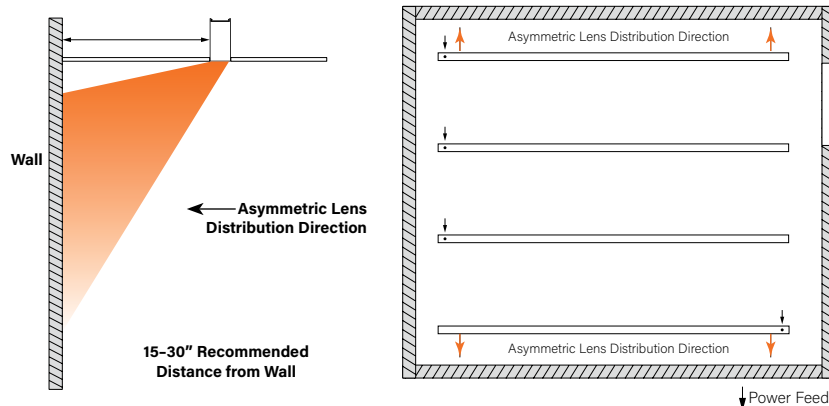
At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

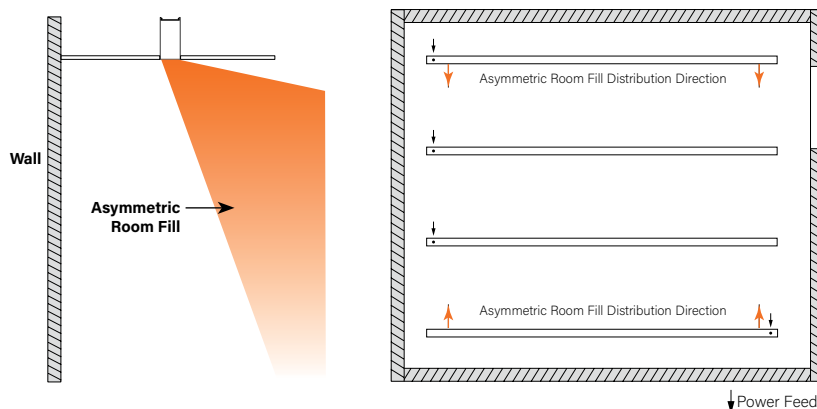
DIRECT ASYMMETRIC

Standard Application Example



DIRECT ASYMMETRIC ROOM FILL

Standard Application Example



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

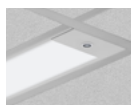
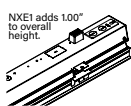
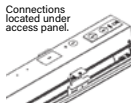
Original Issue Date: 2024

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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
Current®									
	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.

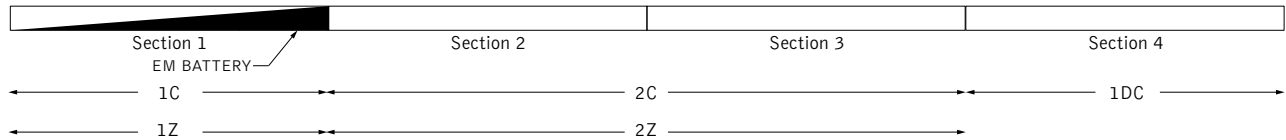
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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								

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.