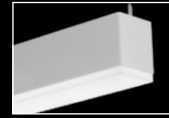
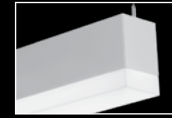


Seem® 4

LED



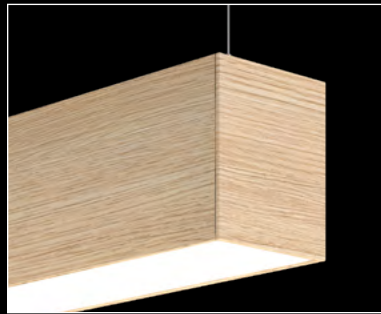
0.5" pop-down lens



1.5" pop-down lens



wall mount companion



The Naturals collection - Light Oak shown

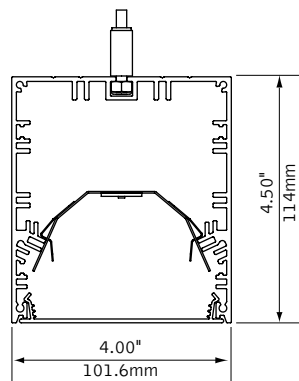


wall to ceiling companion



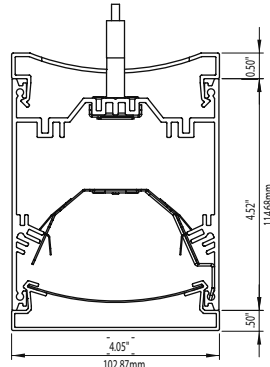
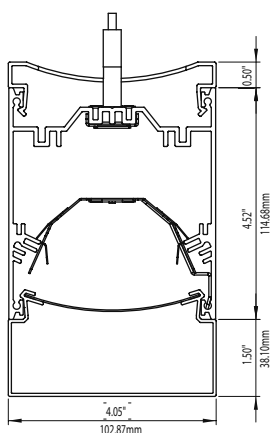
recessed companion

DIMENSIONAL DATA



1.5" Pop-Down Lens

0.5" Pop-Down Lens



FEATURES

Narrow extruded aluminum 4" linear direct LED.

Individual units and continuous runs in 1' increments.

Available in flush, asymmetric, asymmetric room fill, batwing, 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.

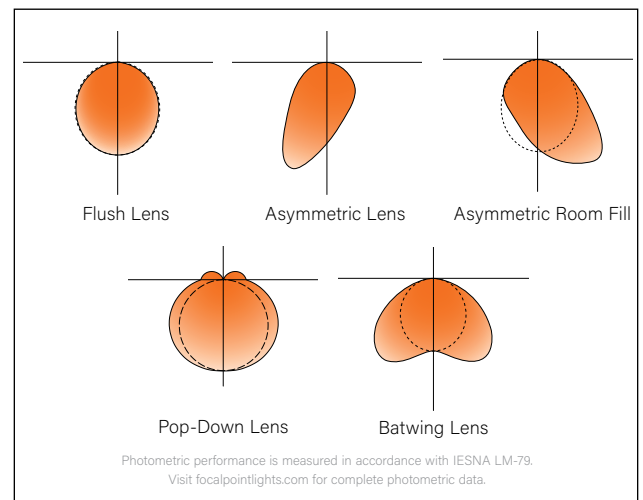
Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

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.

Available with The Naturals, a series of finishes that exude biophilic beauty.

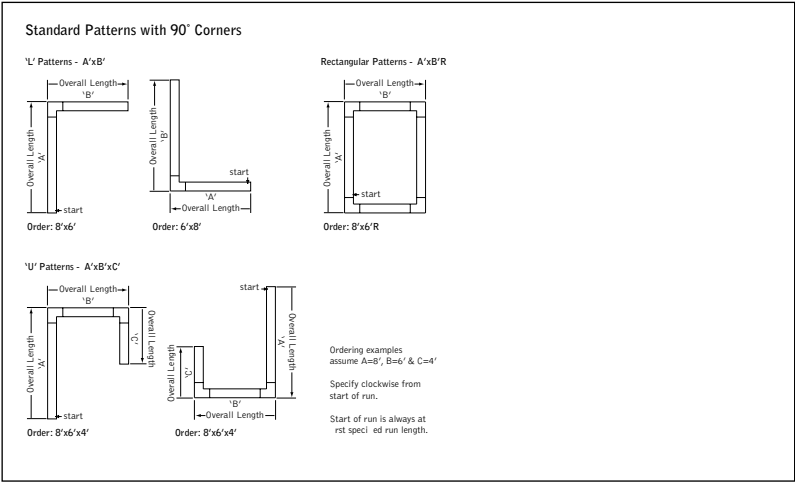
PERFORMANCE



fixture:

project:

DETAILS



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 - 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%.

STANDARD WHITE

Luminaire Series

Seem 4 LED

FSM4LS

Shielding

Asymmetric Lens

AS

Asymmetric Room Fill

AF

Batwing Lens

BW

Flush Satin Lens

FL

0.5" Pop-Down Lens (1000LF max.)

PD05

1.5" Pop-Down Lens

PD15

(2' - 12' individual units only. 1000LF max.)

Lumen Output

275 Lumens per foot (Not available with Lutron)

275LF

375 Lumens per foot (Not available with LHI)

375LF

625 Lumens per foot (3' min. with LHI)

625LF

750 Lumens per foot

750LF

875 Lumens per foot

875LF

1000 Lumens per foot

1000LF

1125 Lumens per foot (BW & FL only)

1125LF

1250 Lumens per foot (BW & FL only)

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 4 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

LVN

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

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

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™

(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)

LAW1

Current NX Enabled - 1% Dimming™

LAWS

(Not available with CP)

NLT1

WaveLinux Pro - 1% Dimming™

NXE1

See sensor layout guide

WLXP

24" Cable Suspension

C24

48" Cable Suspension

C48

96" Cable Suspension

C96

(Specify canopy color, see finishes page for options.)

Example: White = C24WH1

(Specify one of the following in place of "C" - 1' for 2' canopies at non-feed locations. CS - for sloped ceiling applications.)

Surface Mount

SM

(Not available with LAW1, WSPC, NLT1 or NXE1)

Factory Options

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

Black Cord

BKCD

Daylight Circuit

_DC

Emergency Circuit

_EC

Emergency Battery Pack†

_EM

Emergency Control Device†

_ECD

†(120/277 Volt only. EM or ECD not available at corners.)

Finish

(See finishes page for The Naturals options)

Black

BK

Titanium Silver

TS

Matte White Housing

WH

Luminaire/Row Length

Specify in 1' increments

X'

(Lengths are nominal, up to 12' individuals available.)

See Run Chart (page 8) for ordering codes.

Smaller increments available, consult factory for details.

Leave blank for patterns.)

Pattern Options

(3' min. length. Not available with Pop-Down lenses.)

Consult factory for other pattern options.)

Specify luminaire/row length in 1' increments

X'

'L' pattern

A' x B'

'U' pattern

A' x B' x C'

Rectangular pattern

A' x B'R

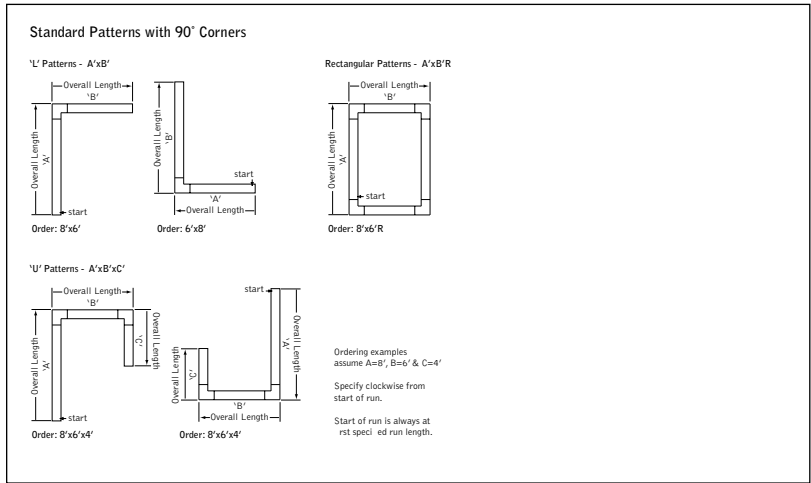


Options in orange qualify for the Quickship program. Run lengths in 1' increments, 1000' total. Refer to Quickship Guide for complete details including EM/EC options.

fixture:

project:

DETAILS



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

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 FSM4LS

Shielding

Asymmetric Lens	AS
Asymmetric Room Fill	AF
Batwing Lens	BW
Flush Satin Lens	FL
0.5" Pop-Down Lens (750LF max.)	PD05
1.5" Pop-Down Lens (2' - 8' individual units only. 750LF max.)	PD15

Lumen Output

275 Lumens per foot (BW & FL 3' min. with D1TW)	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

*(BW & FL only)

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 4 for multiple circuiting and zoning options	_C_Z_DL

Voltage

120/277 UNV Volt	UNV
------------------	-----

Control System & Dimming Level

DALI 1% Dimming (Default driver offers DT6 control. It requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8. Extended lead time applies.)	D1TW
Acuity nLight - 1% Dimming**	NLT1

** (Consult factory)

Mounting

24" Cable Suspension	C24
48" Cable Suspension	C48
96" Cable Suspension	C96

(Specify canopy color, see finishes page for options. Example: White = C24WH.) (Specify one of the following in place of "C": J - for 2" canopies at non-feed locations. CS - for sloped ceiling applications.)

Surface Mount

(Not available with NLT1)

Factory Options

(See page 6 for ordering details for DC, EC, EM & ECD.)	
Black Cord	BKCD
Daylight Circuit	_DC
Emergency Circuit	_EC
Emergency Battery Pack†	_EM
Emergency Control Device†	_ECD

† (Consult factory)

Finish

(See finishes page for The Naturals options)

Black	BK
Titanium Silver	TS
Matte White Housing	WH

Luminaire/Row Length

Specify in 1' increments

(Lengths are nominal, up to 8' individuals available. See Run Chart (page 8) for ordering codes. Smaller increments available, consult factory for details. Leave blank for patterns.)

Pattern Options

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

Specify luminaire/row length in 1' increments

'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 and drivers are replaceable from below.

Construction

9-12' luminaires ship on 13' (157") pallets, forklift extensions of 72" are required to avoid damage. One piece extruded aluminum housing. Die cast aluminum end caps. 2' unit weight: 10 lbs., 3' unit weight: 14 lbs., 4' unit weight: 18 lbs., 5' unit weight: 22 lbs., 12' unit weight: 48 lbs.

Optic

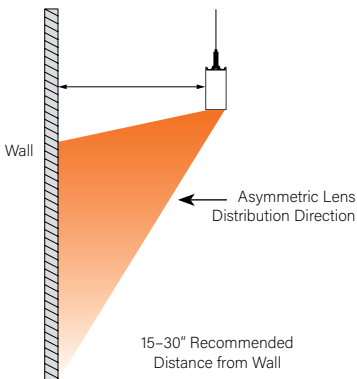
Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Flush and Batwing extruded acrylic lens .085" thick with satin finish, up to 12' continuous. Pop-Down lenses extruded acrylic lens .06" thick with frosted finish.

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. Dimming range 100% to 10%. 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.

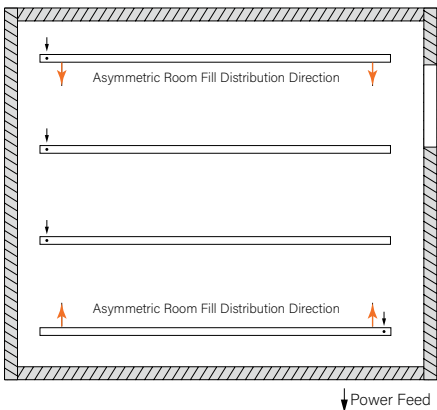
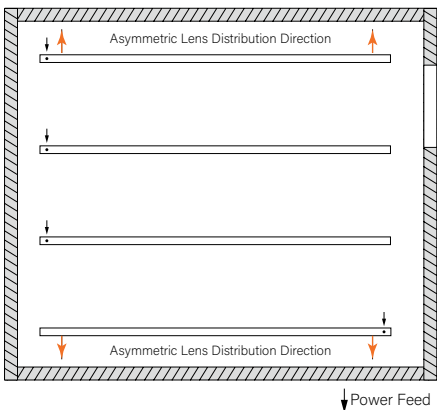
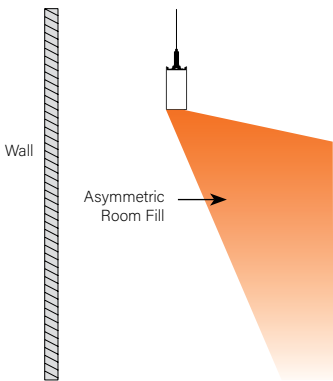
DIRECT ASYMMETRIC

Standard Application Example

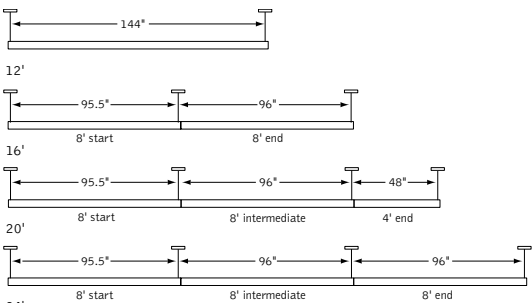


DIRECT ASYMMETRIC ROOM FILL

Standard Application Example



MOUNTING INFORMATION



Consult factory for additional row length information.

Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 2018ft. 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. Canopy and cord white as standard. The Naturals: 100% low VOC vinyl.

Lumen Maintenance

Reported: L70 > 61,000 hours Calculated: L70 at > 480,000 hours
L90 > 61,000 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 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

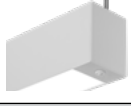
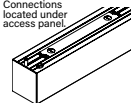
FPL-0003
EXP. 01 FEB 2027
Original Issue Date: 2024

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
 COOPER Lighting Solutions									
	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
 LUTRON									
	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
 nLIGHT Connections located under access panel									
	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

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.

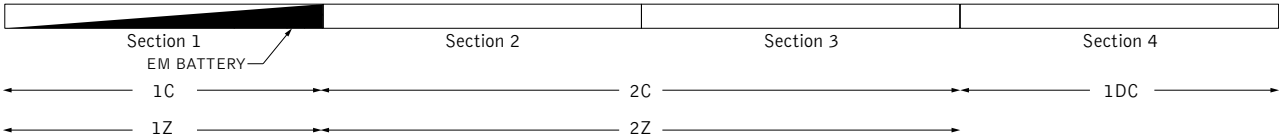
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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	
	1	8	1C	1Z				1EM
	2	8	2C	2Z				
	3	8	2C	2Z				
4	8				1DC			
Totals / Ordering Codes		2C	2Z		1DC			1EM

ORDERING: FSM4LS-FL-625LF-35K- 2C2Z -UNV-LD1-C24WH- 1DC-1EM -WH-32ft



KEY	
C = Switching Circuit Switched Hot / Shared Neutral	DC = Daylight Circuit Switched Hot / Separate Neutral
Z = Dimming Zone Dimming Control Wires	EC = Emergency Circuit Switched Hot / Separate Neutral
DL = Daylight Zone Daylight Dimming Control Wires	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

WORKSHEET

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	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	Ordering Code	Run Length (ft)	Housing Configuration Section Lengths	Ordering Code	Run Length (ft)	Housing Configuration Section Lengths	Ordering Code
9	5 + 4	9	19	8 + 7 + 4	19	35	8 + 8 + 8 + 7 + 4	35
	9	9(IND)	20	8 + 8 + 4	20	36	8 + 8 + 8 + 8 + 4	36
10	6 + 4	10	21	8 + 8 + 5	21	37	8 + 8 + 8 + 8 + 5	37
	5 + 5	10(5+5)	22	8 + 8 + 6	22	38	8 + 8 + 8 + 8 + 6	38
	10	10(IND)	23	8 + 8 + 7	23	39	8 + 8 + 8 + 8 + 7	39
11	7 + 4	11	24	8 + 8 + 8	24	40	8 + 8 + 8 + 8 + 8	40
	11	11(IND)	25	8 + 8 + 5 + 4	25	41	8 + 8 + 8 + 8 + 5 + 4	41
12	8 + 4	12	26	8 + 8 + 6 + 4	26	42	8 + 8 + 8 + 8 + 6 + 4	42
	6 + 6	12(6+6)	27	8 + 8 + 7 + 4	27	43	8 + 8 + 8 + 8 + 7 + 4	43
	12	12(IND)	28	8 + 8 + 8 + 4	28	44	8 + 8 + 8 + 8 + 8 + 4	44
13	8 + 5	13	29	8 + 8 + 8 + 5	29	45	8 + 8 + 8 + 8 + 8 + 5	45
14	8 + 6	14	30	8 + 8 + 8 + 6	30	46	8 + 8 + 8 + 8 + 8 + 6	46
15	8 + 7	15	31	8 + 8 + 8 + 7	31	47	8 + 8 + 8 + 8 + 8 + 7	47
16	8 + 8	16	32	8 + 8 + 8 + 8	32	48	8 + 8 + 8 + 8 + 8 + 8	48
17	8 + 5 + 4	17	33	8 + 8 + 8 + 5 + 4	33			
18	8 + 6 + 4	18	34	8 + 8 + 8 + 6 + 4	34			

Standard run configurations, consult factory for custom configurations.

Finishes



STANDARD FINISHES



THE NATURALS (25% SCALE)

