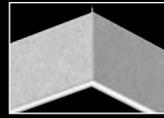
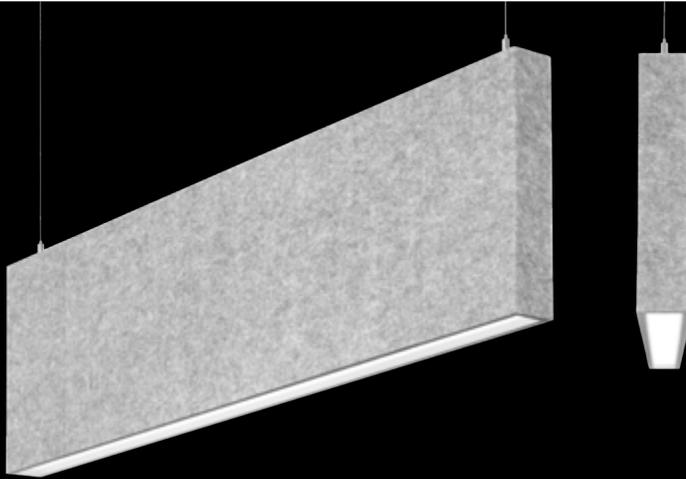
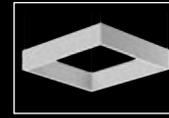


Seem® 1 Acoustic

LED DIRECT/INDIRECT



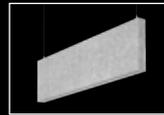
90° corner detail



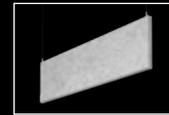
Rectangle pattern



Left and right corner pattern



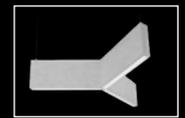
Seem 1 Acoustic Unlit companion



AirCore Blade companion

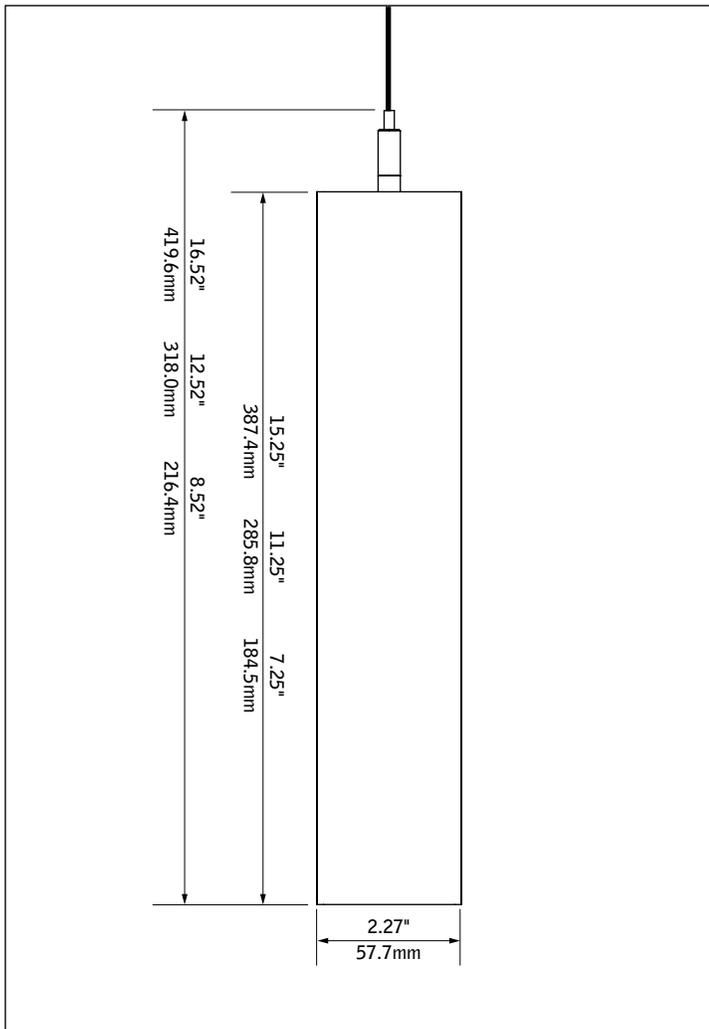


TruBlade companion



Seem 1 Acoustic Trio companion

DIMENSIONAL DATA



FEATURES

Narrow, sound absorbing 1.5" aperture linear direct/indirect acoustic LED luminaire.

Available in 4' to 208' lengths in 1" increments with 8", 12" or 16" nominal housing heights in straight lengths or patterns with 90° corners.

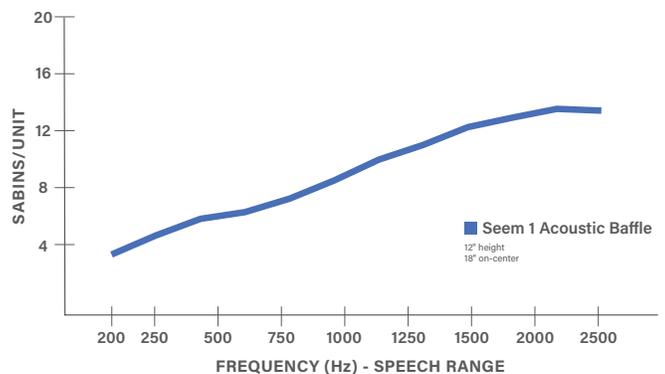
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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

AirCore® Technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact.

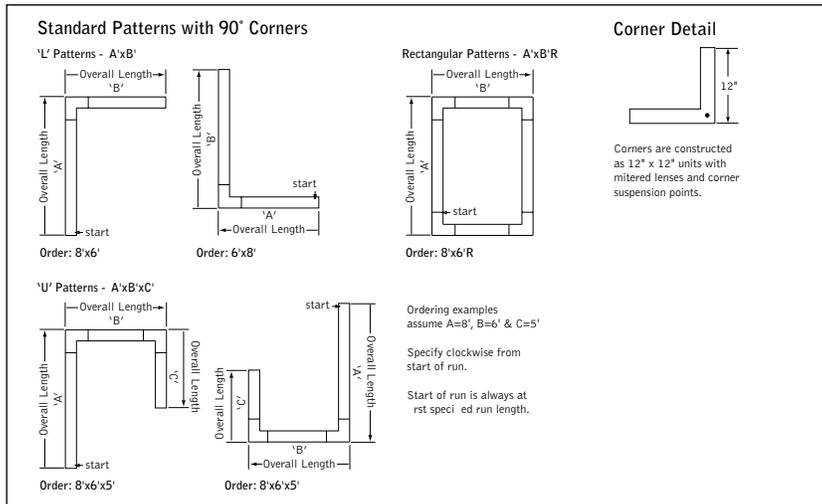
Pair with Seem 1 Acoustic unlit baffle, Seem 1 Acoustic Trio, AirCore Blade®, or TruBlade® to create a coordinated look in interior spaces.

ACOUSTIC PERFORMANCE



All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

DETAILS



SPECIFICATIONS

Acoustic Material

Content	Housing material is 100% polyester containing up to 50% of recycled plastic bottles (PET felt) and is moisture resistant. See page 3 for color offering. Acoustic material colors are subject to change without notice. For the most current color options, please visit focalpointlights.com/acousticsolutions. Lead times may vary depending on color.
Cleaning and Care	Remove dust and debris with a clean, soft, lint-free cloth or vacuum
PET Thickness	9mm
Surface Burning Characteristics	ASTM E84 Class A / CAN ULC S102 Flame Spread: 0, Smoke Development Index: 300

Acoustic Performance

Acoustic testing is performed on all Focal Point acoustic products and varies based on installation and configuration. ASTM C423 test reports can be downloaded from focalpointlights.com. Contact acoustic.solutions@focalpointlights.com for technical questions.

Sabins	Sabins is a unit of sound absorption. It measures how well one square foot of material absorbs sound. Focal Point has averaged the Sabins per unit at four specific frequency bands representing the human speech range (250, 500, 1000, 2000 Hz) to determine the Sabins per product. 8' length, 12" height: 12" OC = 5.08 Sabins, 18" OC = 9.05 Sabins, 24" OC = 9.46 Sabins
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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 3000K, 3500K or 4000K with both 80 and 90 CRI options. LED drivers are replaceable from above. Color accuracy <3 SDCM.

Weight - 12" height, 4' length = 13.38lbs. 12" height, 6' length = 19.51lbs. 12" height, 8' length = 25.64lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in Matte White powder coat. Extruded acrylic lens .05" thick with frosted finish, up to 8' continuous. .002" thick clear acrylic dust cover.

Mounting

Minimum mounting height 7.5" from the ceiling.

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. Power cord white as standard.

Canopy

Polyester powder coat applied over a multi-stage pre-treatment. Canopy white as standard.

Emergency Battery

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 16.83ft.

Labels

ETL listed in accordance with UL standards. Suitable for Dry Locations, indoor use only.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 470,000 hours
L90 at >61,000 hours L90 at 115,000 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 and when mounted no less than 7.5" from the ceiling. 5-year limited warranty.

ORDERING

Luminaire Series

See m1 Acoustic Direct/Indirect LED ASM1BS

Shielding

- Batwing Optic Top/Asymmetric Wall Wash Bottom BWAS
- Batwing Optic Top/Batwing Lens Bottom BWWB
- Batwing Optic Top/Regress Lens BWRL
- Dust Cover Top/Asymmetric Wall Wash Bottom DCAS
- Dust Cover Top/Batwing Lens Bottom DCBW
- Dust Cover Top/Regress Lens DCRL

Luminaire Height

(heights are nominal)

8"	8
12"	12
16"	16

Direct Distribution

- 100 Lumens per foot (Consult factory for Lutron & DALI) 100DN
- 200 Lumens per foot 200DN
- 300 Lumens per foot 300DN
- 400 Lumens per foot 400DN
- 500 Lumens per foot 500DN

Indirect Distribution

- 125 Lumens per foot (Consult factory for Lutron & DALI) 125UP
- 250 Lumens per foot 250UP
- 375 Lumens per foot 375UP
- 500 Lumens per foot 500UP
- 625 Lumens per foot 625UP
- 800 Lumens per foot (Not available with D11) 800UP

Color Temperature

- 3000K, 80CRI or 90CRI 30K or 930K
- 3500K, 80CRI or 90CRI 35K or 935K
- 4000K, 80CRI or 90CRI 40K or 940K

Circuits & Zones

- 1 Circuit, non-emergency 1C
- 2 non-emergency circuits provide independent control of Direct and Indirect sources 2C
- Consult Ordering Guide on page 5 for multiple circuiting and zoning options _C_Z_DL

Voltage

- 120/277 UNV Volt UNV

Control System & Dimming Level

- 0-10V - 10% Dimming LD1
- 0-10V - 1% Dimming L11
- Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming LH1
- DALI 1% Dimming D11

Mounting

(Mounting hang kits ship with order. Power cable is 18" longer than suspension length. Consult factory for longer power cable lengths.)

- 24" Cable Suspension J24_
- 48" Cable Suspension J48_
- 96" Cable Suspension J96_
- 120" Cable Suspension J120_

(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: J24WH.)
(Consult factory for sloped ceiling applications)

Factory Options

(See Ordering Guide on page 5 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

†(6' minimum length. Consult factory for available options.)

Acoustic Panel Color

See page 3 for color offering

Luminaire Length

(Leave blank for patterns. Luminaires are 3/4" longer than specified and cannot be cut to length or joined in the field.)

Specify length in 1" increments _ft _in
from 4' to 208'

Pattern Options

(Patterns available with LD1 and L11 drivers only.)
(5' minimum leg length for L patterns.)
(6' minimum leg length for U and Rectangle patterns)

- 'L' pattern A' x B'
- 'U' pattern A' x B' x C'
- Rectangular pattern A' x B' R

(Consult factory for other pattern options)

ASM1BS

ft in

_ft _in

A' x B'

A' x B' x C'

A' x B' R

(Consult factory for other pattern options)

Acoustic Material Colors



STANDARD COLORS



PREMIUM COLORS*



*Contact factory for lead time and pricing.

Declare.

9mm PET Felt
Focal Point, LLC

Final Assembly: Chicago, Illinois, USA
Life Expectancy: 50 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:

Polyethylene terephthalate (PET; N, N'-Ethylene bisstearamide; Octadecanamide, N,N'-[2-ethanediyloxy]; Stearic Acid; Stiboric Acid; Antioxidant 1076; Benzenepropionic acid, 3,5-bis(3-dimethylethyl-4-hydroxy-octadecyl ester); Antioxidant KY-405; Benzocaine, 4-(3-methyl-2-phenylacetyl)-N-(4-(1-methyl-1-phenylethoxy)phenyl); Titanium Dioxide; Titanium Dioxide

Living Building Challenge Criteria: Compliant

I-13 Red List:

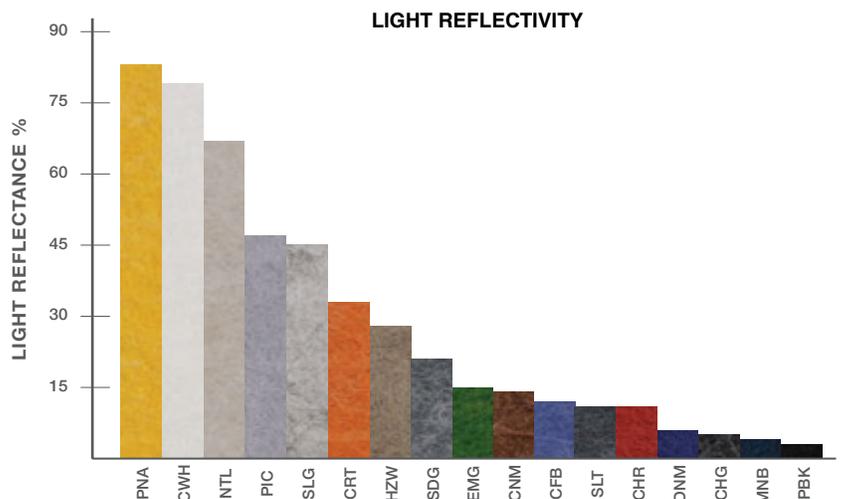
- LBC Red List Free % Disclosed: 100% at 100ppm
- LBC Red List Approved VOC Content: Not Applicable
- Declared

I-30 Interior Performance: COPH Standard Method v11-2010

I-14 Responsible Sourcing: Not Applicable

FPL-0001
EXP 01 MAR 2024
Original Issue Date: 2020

INTERNATIONAL LIVING FUTURE INSTITUTE™ livingfuture.org/declare

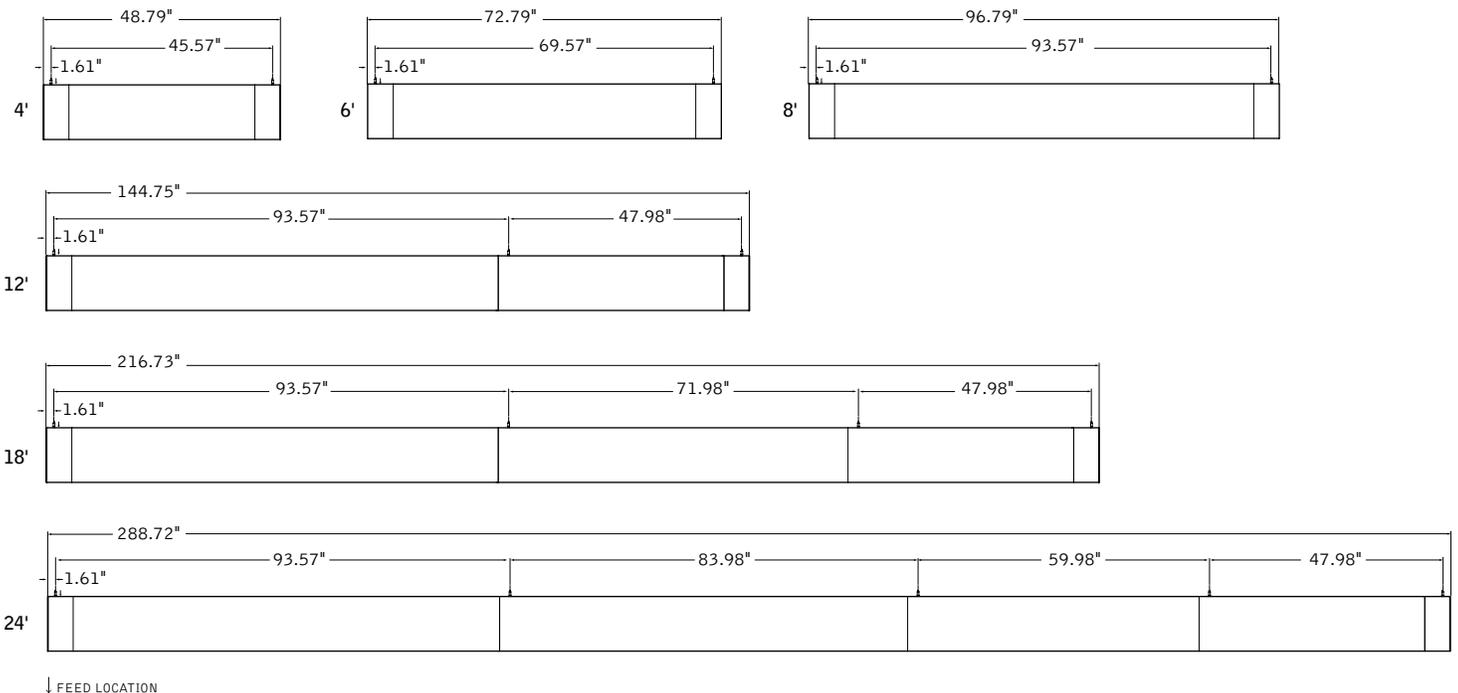


4' PERFORMANCE CHART - BATWING OPTIC TOP/REGRESS LENS BOTTOM

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens per Watt (LPW)					
										
					BWRL	BWAS	BWBW	DCRL	DCAS	DCBW
100DN	125UP	44/56	900	12	84	93	90	81	91	88
	250UP	29/71	1400	14	101	109	107	98	106	104
	375UP	21/79	1900	17	110	116	114	110	116	114
	500UP	17/83	2400	20	116	122	120	116	122	120
	625UP	14/86	2900	24	120	125	124	120	125	124
	800UP	11/89	3600	29	121	124	123	120	124	123
200DN	125UP	62/38	1300	16	90	100	96	88	98	94
	250UP	44/56	1800	17	103	112	108	101	110	106
	375UP	35/65	2300	21	110	118	114	110	118	114
	500UP	29/71	2800	24	115	122	119	115	122	119
	625UP	24/76	3300	27	119	125	122	119	125	122
	800UP	20/80	4000	33	119	124	122	119	124	122
300DN	125UP	71/29	1700	20	93	104	99	91	103	97
	250UP	55/45	2200	21	103	114	109	101	112	107
	375UP	44/56	2700	24	109	118	114	109	118	114
	500UP	38/63	3200	28	114	122	118	114	122	118
	625UP	32/68	3700	31	117	125	121	117	125	121
	800UP	27/73	4400	37	118	124	121	118	124	121
400DN	125UP	76/24	2100	24	94	108	101	93	106	100
	250UP	62/38	2600	25	102	116	110	101	114	108
	375UP	52/48	3100	29	108	119	114	108	119	114
	500UP	44/56	3600	32	112	122	118	112	122	117
	625UP	39/61	4100	35	115	125	120	115	124	120
	800UP	33/67	4800	41	116	124	120	116	124	120
500DN	125UP	80/20	2500	28	94	110	103	93	109	102
	250UP	67/33	3000	29	101	117	110	100	115	109
	375UP	57/43	3500	33	106	120	114	106	120	114
	500UP	50/50	4000	36	110	122	117	110	122	117
	625UP	44/56	4500	39	113	124	120	113	124	119
	800UP	38/62	5200	45	114	124	120	114	124	120

*Based on 3500k, 80CRI, 4' lengths. Lumen multipliers: Dust Cover Top = 1.23, 90 CRI = 0.87. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

MOUNTING DETAILS (see Run Chart on following page for number of hang points per run)



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.

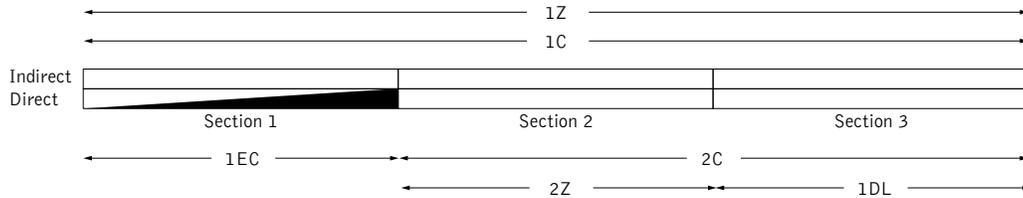
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

TOTAL RUN LENGTH: 24ft		JOB NAME: _____				FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
1	8	Indirect	1C	1Z					
		Direct					1EC		
2	8	Indirect	1C	1Z					
		Direct	2C	2Z					
3	8	Indirect	1C	1Z					
		Direct	2C		1DL				
Totals / Ordering Codes			2C	2Z	1DL		1EC		

ORDERING: FSM4BS-FL-625UP-125DN-35K- **2C2Z1DL** -UNV-LD1-C24- **1EC** -WH-24ft



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

ECD = Emergency Control Device
Unswitched Hot / Separate Neutral

EM = Emergency Battery
Unswitched Hot / Shared Neutral

DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- EC, EM, and ECD only available for direct distribution.
- One shared or isolated circuit and zone required per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Limit of one EM or ECD per housing section.
- Each EC, DC 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	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
1		Indirect							
		Direct							
2		Indirect							
		Direct							
3		Indirect							
		Direct							
4		Indirect							
		Direct							
5		Indirect							
		Direct							
6		Indirect							
		Direct							
7		Indirect							
		Direct							
8		Indirect							
		Direct							
9		Indirect							
		Direct							
10		Indirect							
		Direct							
11		Indirect							
		Direct							
12		Indirect							
		Direct							
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	# of hang points per run
9	5 + 4	3
10	6 + 4	3
11	7 + 4	3
12	8 + 4	3
13	8 + 5	3
14	8 + 6	3
15	8 + 7	3
16	8 + 8	3
17	8 + 5 + 4	4
18	8 + 6 + 4	4
19	8 + 7 + 4	4
20	8 + 7 + 5	4
21	8 + 7 + 6	4
22	8 + 7 + 7	4
23	8 + 7 + 8	4
24	8 + 7 + 5 + 4	5
25	8 + 7 + 6 + 4	5
26	8 + 7 + 7 + 4	5
27	8 + 7 + 7 + 5	5
28	8 + 7 + 7 + 6	5

Run length (ft)	Housing Configuration Section Lengths	# of hang points per run
29	8 + 7 + 7 + 7	5
30	8 + 7 + 7 + 8	5
31	8 + 7 + 7 + 5 + 4	6
32	8 + 7 + 7 + 6 + 4	6
33	8 + 7 + 7 + 7 + 4	6
34	8 + 7 + 7 + 7 + 5	6
35	8 + 7 + 7 + 7 + 6	6
36	8 + 7 + 7 + 7 + 7	6
37	8 + 7 + 7 + 7 + 8	6
38	8 + 7 + 7 + 7 + 5 + 4	7
39	8 + 7 + 7 + 7 + 6 + 4	7
40	8 + 7 + 7 + 7 + 7 + 4	7
41	8 + 7 + 7 + 7 + 7 + 5	7
42	8 + 7 + 7 + 7 + 7 + 6	7
43	8 + 7 + 7 + 7 + 7 + 7	7
44	8 + 7 + 7 + 7 + 7 + 8	7
45	8 + 7 + 7 + 7 + 7 + 5 + 4	8
46	8 + 7 + 7 + 7 + 7 + 6 + 4	8
47	8 + 7 + 7 + 7 + 7 + 7 + 4	8
48	8 + 7 + 7 + 7 + 7 + 7 + 5	8

Standard run configurations, consult factory for custom configurations and longer run lengths.