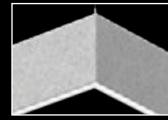
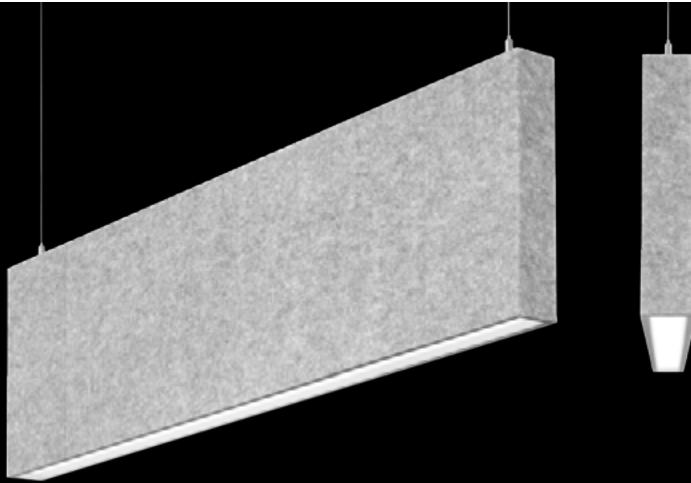
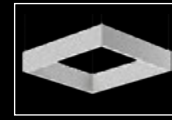


# Seem® 1 Acoustic

LED DIRECT/INDIRECT



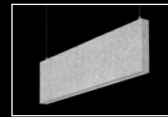
90° corner detail



Rectangle pattern



Left and right corner pattern



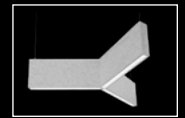
Seem 1 Acoustic Unlit companion



AirCore Blade companion

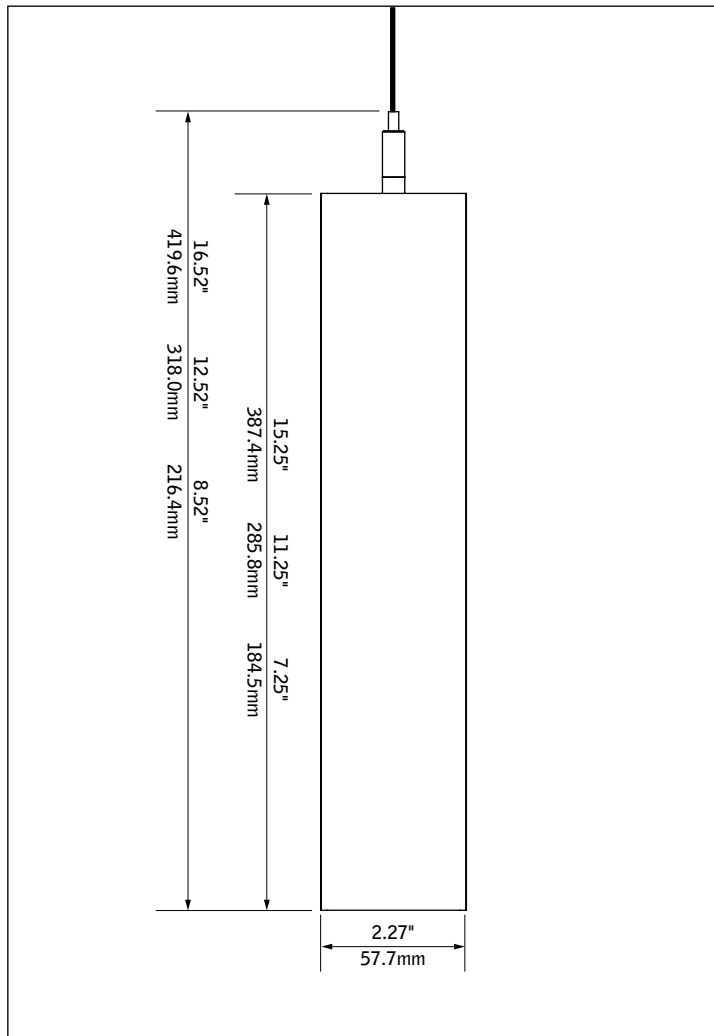


TruBlade companion



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.

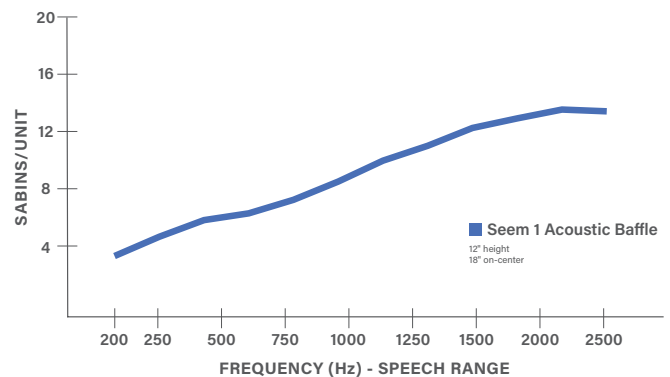
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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

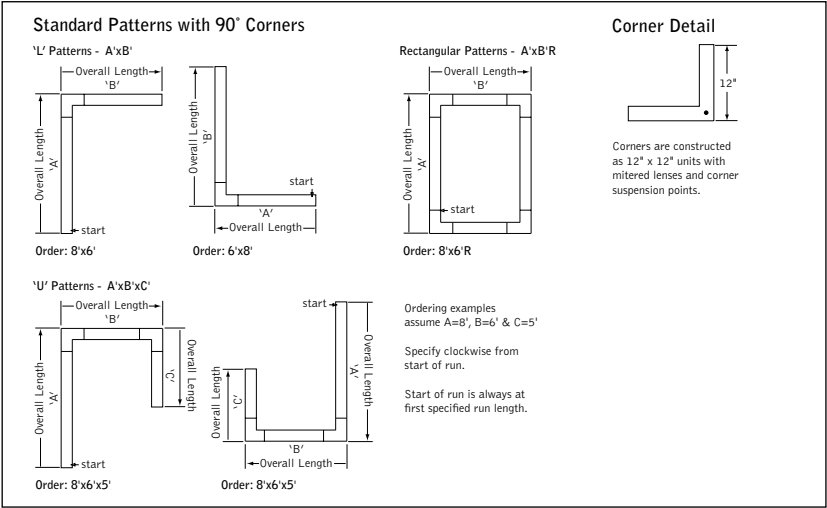


All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

fixture:

project:

DETAILS



SPECIFICATIONS

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.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

Luminaire Series		ASM1BS
Seem 1 Acoustic Direct/Indirect LED	ASM1BS	
Shielding		
Batwing Optic Top/Asymmetric Wall Wash Bottom	BWAS	
Batwing Optic Top/Batwing Lens Bottom	BWBW	
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	100DN	
(Consult factory for Lutron & DALI)		
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	125UP	
(Consult factory for Lutron & DALI)		
250 Lumens per foot	250UP	
375 Lumens per foot	375UP	
500 Lumens per foot	500UP	
625 Lumens per foot	625UP	
800 Lumens per foot	800UP	
(Not available with D11)		
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		UNV
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		ft in
(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 Rectangular 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)		

# 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:** 30 Years  
**End of Life Options:** Salvageable/Reusable in its Entirety, Recyclable (100%)

### Ingredients:

PET; Octadecanamide, N,N'-1,2-ethanediylbis-; Stearic Acid; Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]-; Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; Titanium dioxide

**Living Building Challenge Criteria:** Compliant

### I-13 Red List:

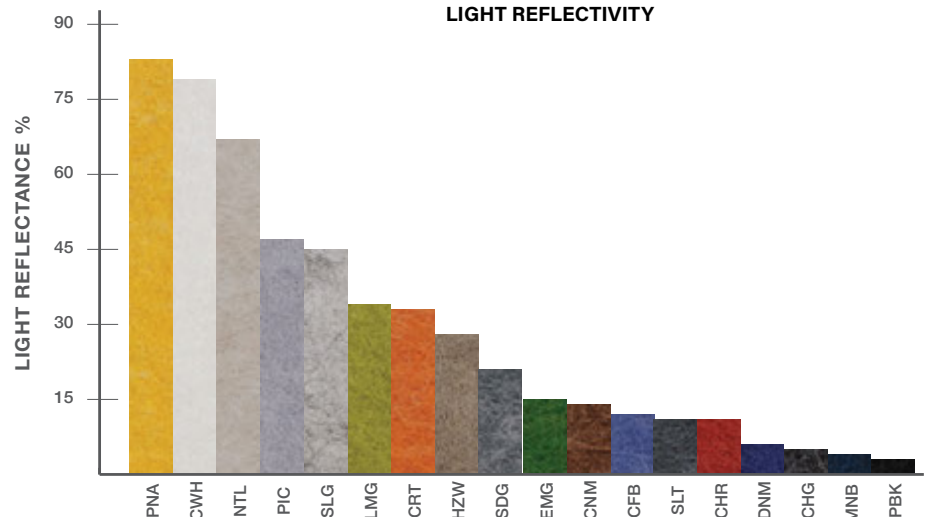
☒ LBC Red List Free % Disclosed: 100% at 100ppm  
☐ LBC Red List Approved VOC Content: Not Applicable  
☐ Declared

**I-10 Interior Performance:** CDPH Standard Method v1.1-2010  
**I-14 Responsible Sourcing:** Not Applicable







FPL-0001  
EXP: 01 FEB 2022  
Original Issue Date: 2020

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

## LIGHT REFLECTIVITY

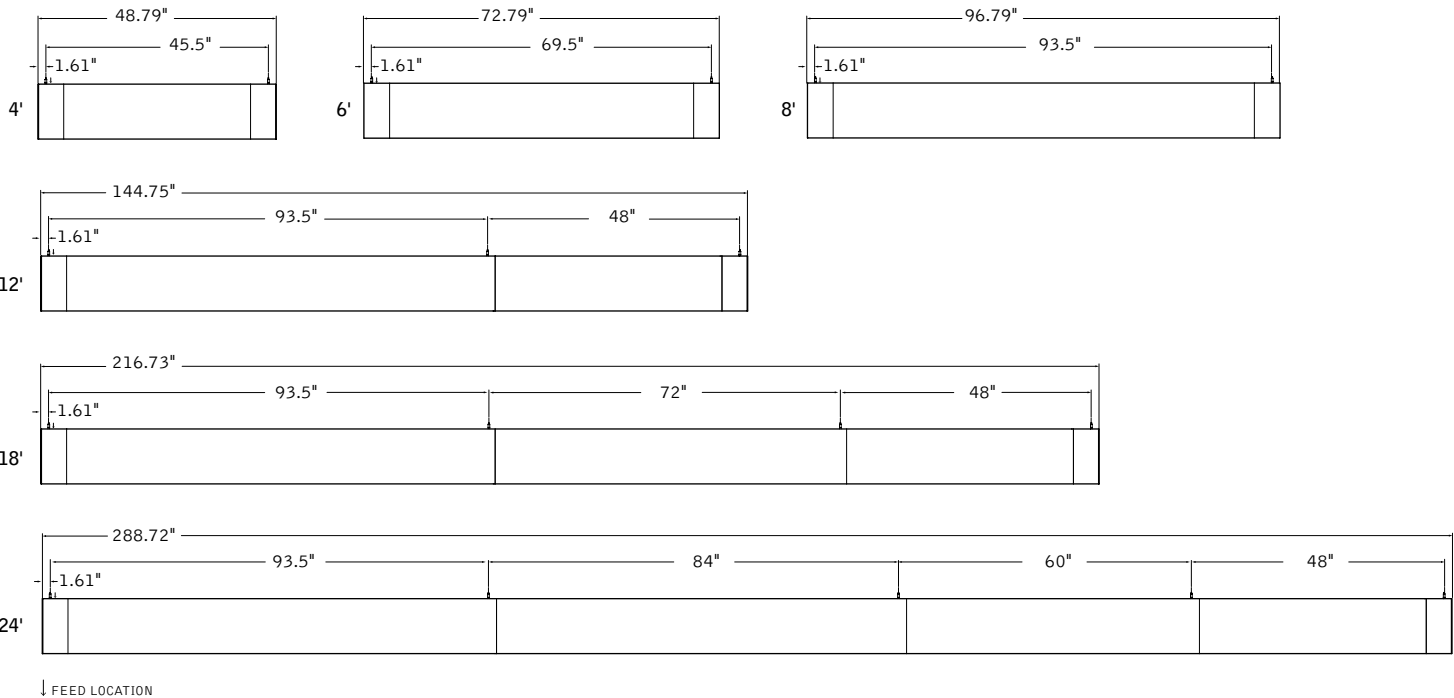


4' PERFORMANCE CHART - BATWING OPTIC TOP/REGRESS LENS BOTTOM

					Lumens per Watt (LPW)					
Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts						
					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.

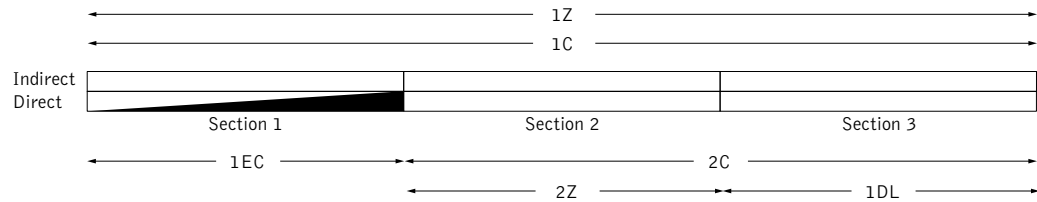
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

EXAMPLE	TOTAL RUN LENGTH: 24ft		JOB NAME:			FIXTURE TYPE:			
	HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS		
							SEPARATE ELECTRICAL FEEDS		EM
	SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD			
	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	
<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>ECD = Emergency Control Device</b> Unswitched Hot / Separate Neutral
	<b>EM = Emergency Battery</b> 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

WORKSHEET

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	SEPARATE ELECTRICAL FEEDS			EM
						DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
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									

RUN CHART

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

Run length (ft)	Housing Configuration Section Lengths	# of hang points per run	Run length (ft)	Housing Configuration Section Lengths	# of hang points per run
9	5 + 4	3	29	8 + 7 + 7 + 7	5
10	6 + 4	3	30	8 + 7 + 7 + 8	5
11	7 + 4	3	31	8 + 7 + 7 + 5 + 4	6
12	8 + 4	3	32	8 + 7 + 7 + 6 + 4	6
13	8 + 5	3	33	8 + 7 + 7 + 7 + 4	6
14	8 + 6	3	34	8 + 7 + 7 + 7 + 5	6
15	8 + 7	3	35	8 + 7 + 7 + 7 + 6	6
16	8 + 8	3	36	8 + 7 + 7 + 7 + 7	6
17	8 + 5 + 4	4	37	8 + 7 + 7 + 7 + 8	6
18	8 + 6 + 4	4	38	8 + 7 + 7 + 7 + 5 + 4	7
19	8 + 7 + 4	4	39	8 + 7 + 7 + 7 + 6 + 4	7
20	8 + 7 + 5	4	40	8 + 7 + 7 + 7 + 7 + 4	7
21	8 + 7 + 6	4	41	8 + 7 + 7 + 7 + 7 + 5	7
22	8 + 7 + 7	4	42	8 + 7 + 7 + 7 + 7 + 6	7
23	8 + 7 + 8	4	43	8 + 7 + 7 + 7 + 7 + 7	7
24	8 + 7 + 5 + 4	5	44	8 + 7 + 7 + 7 + 7 + 8	7
25	8 + 7 + 6 + 4	5	45	8 + 7 + 7 + 7 + 7 + 5 + 4	8
26	8 + 7 + 7 + 4	5	46	8 + 7 + 7 + 7 + 7 + 6 + 4	8
27	8 + 7 + 7 + 5	5	47	8 + 7 + 7 + 7 + 7 + 7 + 4	8
28	8 + 7 + 7 + 6	5	48	8 + 7 + 7 + 7 + 7 + 7 + 5	8

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