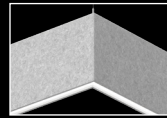
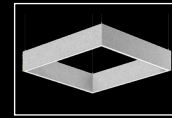


# Seem® 1 Acoustic

LED DIRECT/INDIRECT



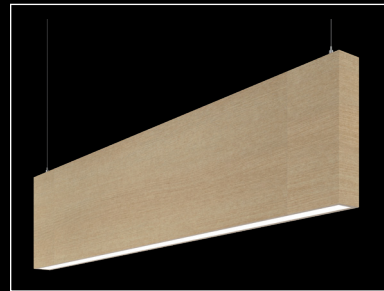
90° corner detail



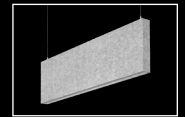
Rectangle pattern



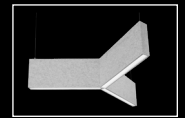
Left and right corner pattern



The Naturals collection - Light Oak shown

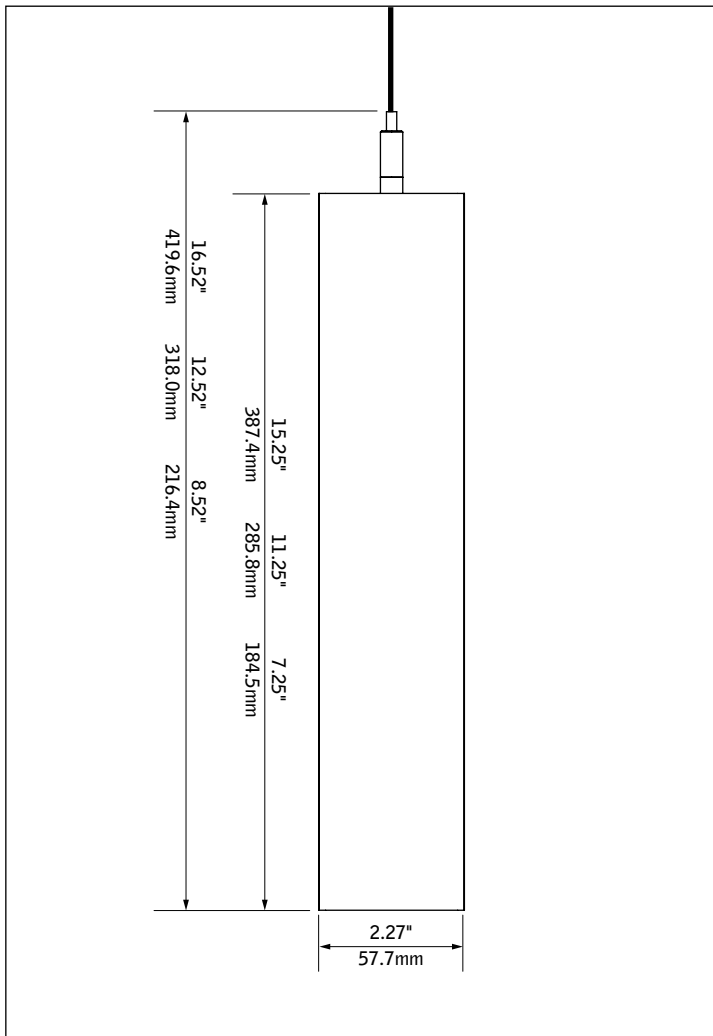


Seem 1 Acoustic Unlit companion



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.

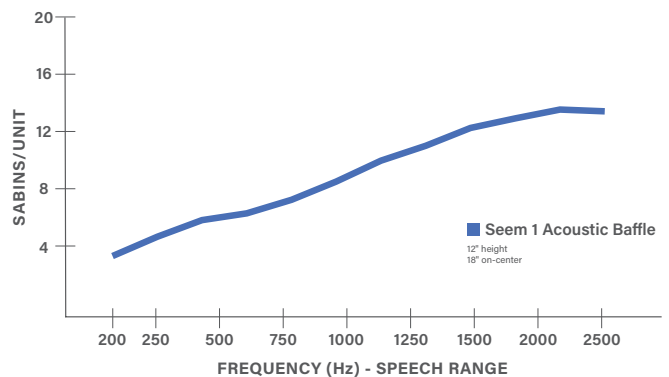
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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.

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

## ACOUSTIC PERFORMANCE

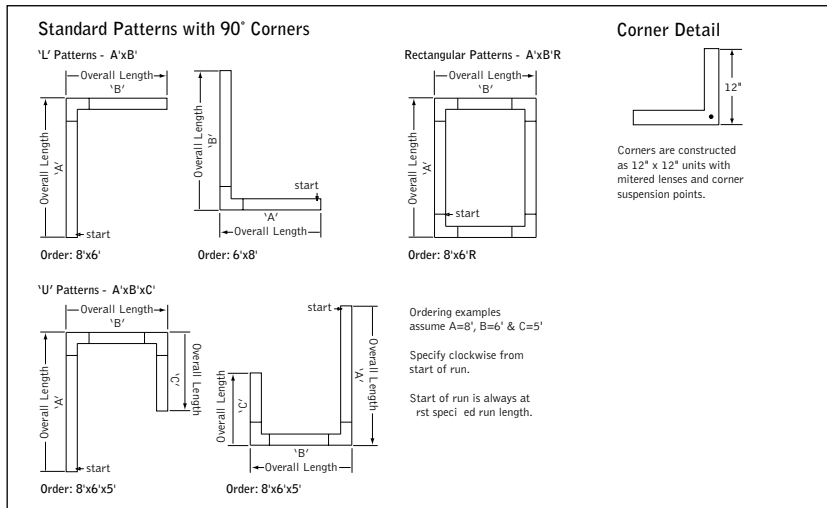


All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

fixture:

project:

### DETAILS



### SPECIFICATIONS

#### Acoustic Material

|  |  |
|--|--|
| <b>Content</b>                         | 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. |
| <b>Cleaning and Care</b>               | Remove dust and debris with a clean, soft, lint-free cloth or vacuum   |
| <b>PET Thickness</b>                   | 9mm  |
| <b>Surface Burning Characteristics</b> | ASTM E84 Class A / CAN ULC S102<br>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.

|               |   |
|---------------|---|
| <b>Sabins</b> | 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.<br><br>8' length, 12" height: 12" OC = 5.08 Sabins, 18" OC = 9.05 Sabins, 24" OC = 9.46 Sabins |
|---------------|---|

#### 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 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

UL and cUL listed. 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.

### 4' PERFORMANCE CHART

See page 4



Options in orange qualify for the Quickship program. Five color options. Available in 4', 6', 8', 10', 12', 14', 16' lengths. Maximum linear feet is 200' of acoustic products per order. Refer to Quickship Guide for complete details.

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

### ORDERING

#### Luminaire Series

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 (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

|                       |             |
|-----------------------|-------------|
| 2700K, 80CRI or 90CRI | 27K or 927K |
| 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)

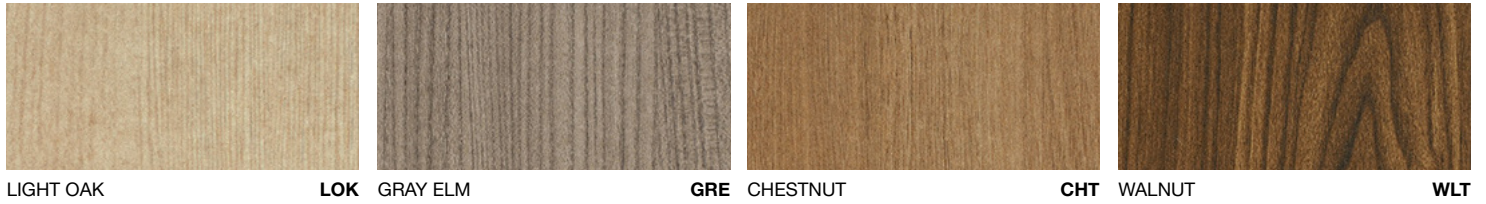
- 'L' pattern **A' x B'**
- 'U' pattern **A' x B' x C'**
- Rectangular pattern **A' x B' R**

(Consult factory for other pattern options)

# Acoustic Materials



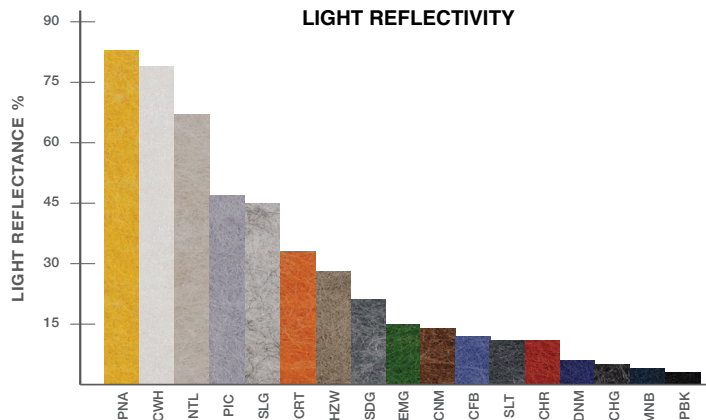
## THE NATURALS (25% SCALE)



## STANDARD PET



## PREMIUM PET



# Declare.

## 9mm PET Felt Focal Point, LLC

**Final Assembly:** Chicago, Illinois, USA  
**Life Expectancy:** 30 Year(s)  
**End of Life Options:** Salvageable/Reusable in its Entirety, Recyclable (100%)

### Ingredients:

**Polyethylene terephthalate:** PET; **N, N'-Ethylene bisstearamide:** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic Acid:** Stearic Acid; **Antioxidant 1076:** Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; **Antioxidant KY-405:** Benzenamine, 4-(1-methyl-1-phenylethyl) -N-[4-(1-methyl-1-phenylethyl)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-10 Interior Performance:** CDPH Standard Method v1.2-2017  
**I-14 Responsible Sourcing:** Not Applicable

FPL-0001  
 EXP. 01 APR 2025  
 Original Issue Date: 2020

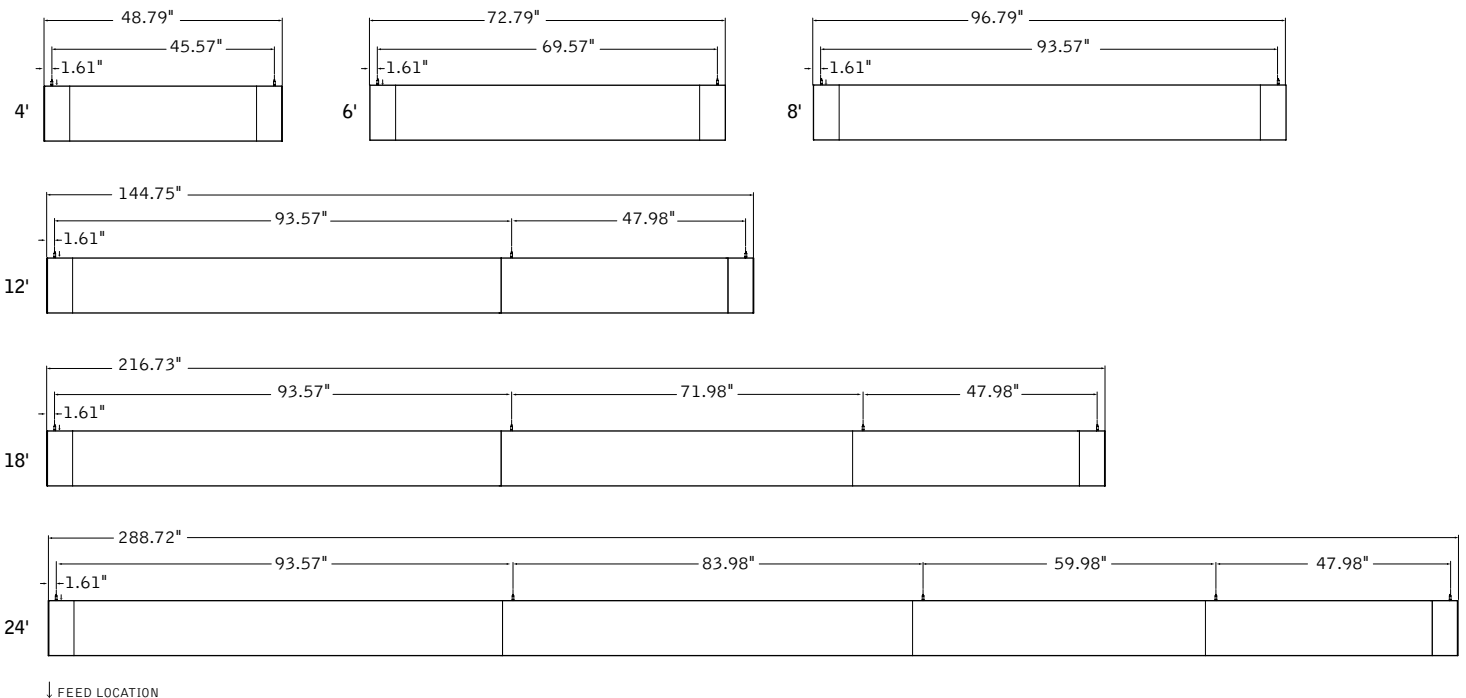
MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
 INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

**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.

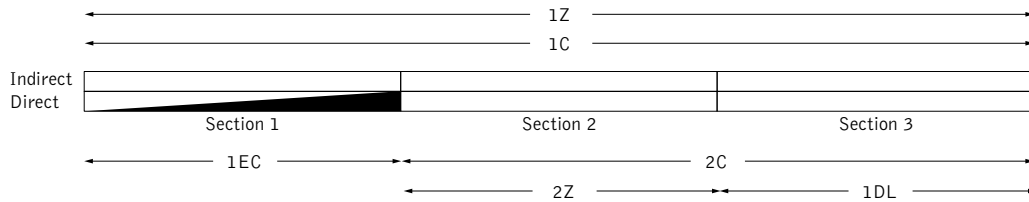
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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           |                     |                   |     |    |
| <b>Totals / Ordering Codes</b> |                |                    | <b>2C</b>                            | <b>2Z</b>    | <b>1DL</b>    |                     | <b>1EC</b>        |     |    |

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             |                                      |              |               |                     |                   |     |    |
| <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 | # 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.