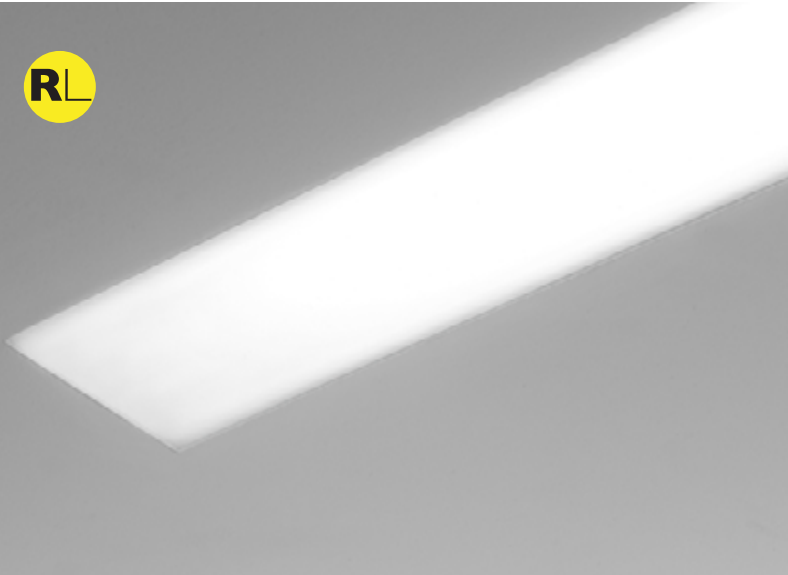


Seem® 4

LED ASYMMETRIC FLUSH LENS



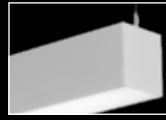
trimless mud-in



trim flange

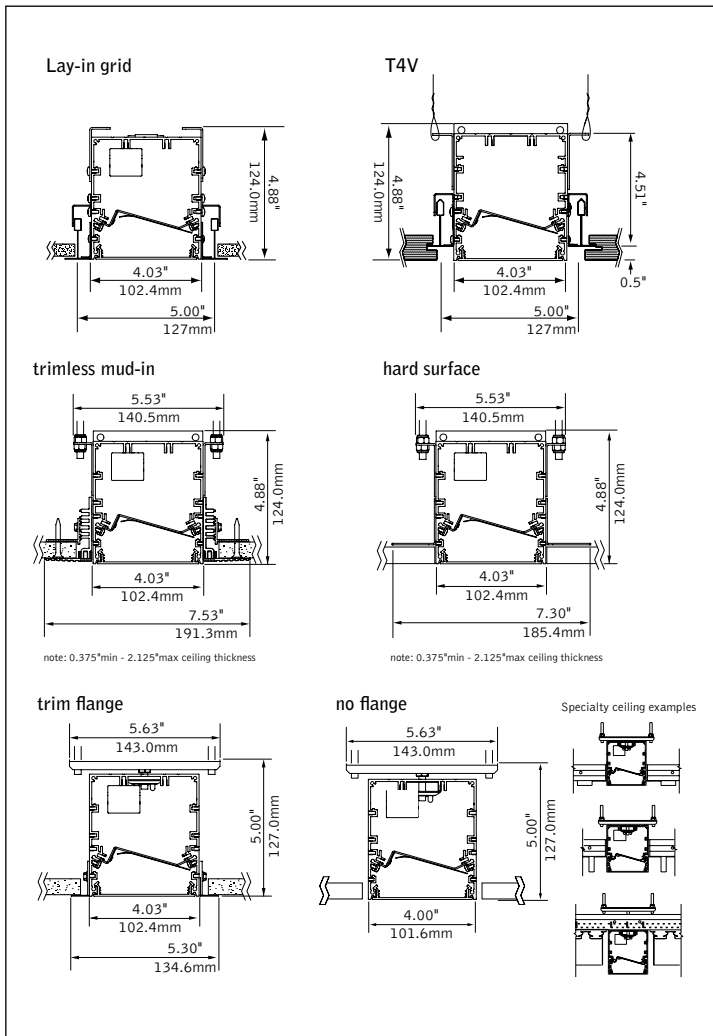


grid



suspended/surface
mount companion

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 4" aperture recessed asymmetric LED luminaire.

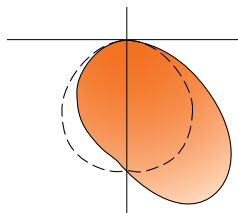
Integrates with ceiling in a variety of mounting styles for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1' increments.

Flush frosted acrylic lens provides uninterrupted illumination.

Concealed LEDs provide the perfect blend of performance and visual comfort.

PERFORMANCE



PRODUCT OVERVIEW

Lumen Output: 1000-4000lm

Wattage: 14-53

LPW: 72-80

SDCM: 3

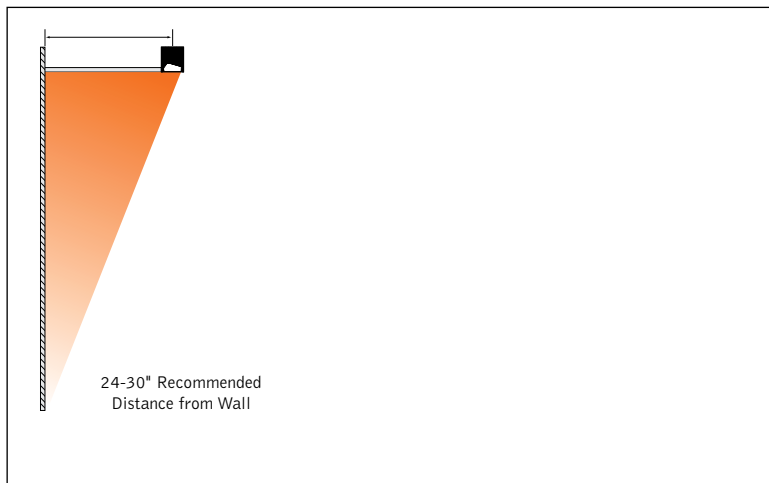
4' Flush Frosted Lens
 625 Lumens per foot
Delivered Lumens: 2500lm
Total System Watts: 34

Photometric performance is measured in accordance with IESNA LM-79.
 Visit focalpointlights.com for complete photometric data.

fixture:

project:

DETAILS



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 3000K, 3500K, 4000K with CRI>80, 3 SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 10 lbs., 3' unit weight: 14 lbs., 4' unit weight: 18 lbs., 5' unit weight: 22 lbs.

Optic

Reflector fabricated of low iridescent, semi-specular premium grade aluminum. Acrylic lens .098" thick with satin finish, up to 8' continuous.

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.

Emergency Battery

Emergency output - 10 watts for 90 minutes. Max. mounting height: 19ft.

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 at >61,000 hours Calculated: L70 at 475,000 hours
 L90 at >61,000 hours L90 at 130,000 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.

4' PERFORMANCE CHART

| Shielding | Lumens per Foot | Delivered Lumens | System Watts | LPW |
|--------------------|-----------------|------------------|--------------|-----|
| Flush Frosted Lens | 275LF | 1000 | 14 | 79 |
| | 375LF | 1500 | 20 | 79 |
| | 625LF | 2500 | 34 | 72 |
| | 875LF | 3500 | 44 | 80 |
| | 1000LF | 4000 | 53 | 77 |

Based on 3500K, 4' lengths. Lumen multipliers: 3000K = 1.035, 4000K = 0.975. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

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

ORDERING

| | | |
|--|---------------|---------------|
| Luminaire Series | FSM4AL | FSM4AL |
| Seem 4 Asymmetric LED | | |
| Shielding | FFL | FFL |
| Flush Frosted Lens | | |
| Lumen Output | | |
| 275 Lumens per foot | 275LF | |
| 375 Lumens per foot | 375LF | |
| 625 Lumens per foot | 625LF | |
| 875 Lumens per foot | 875LF | |
| 1000 Lumens per foot | 1000LF | |
| Color Temperature | | |
| 3000K | 30K | |
| 3500K | 35K | |
| 4000K | 40K | |
| Circuits & Zones | | |
| 1 Circuit, non-emergency | 1C | |
| Consult Ordering Guide on page 3 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 | |
| Ceiling Configurations | | |
| 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 | |
| No Flange for specialty ceilings (Ex. slat, panel, cloud systems) | NF | |
| Trim Flange Drywall | TF | |
| Trim Flange Wood | TFW | |
| Mud-in Trimless, pre-set for 1/2" Drywall | XF1 | |
| Mud-in Trimless, pre-set for 5/8" Drywall | XF2 | |
| Mud-in Trimless, set thickness in field (Mounting equipment assembled in field) | XFF | |
| Non-Drywall Hard Surface | XFN | |
| Hard Surface, Wood | XFW | |
| Factory Options (See Ordering Guide on page 3 for ordering details for DC, EC, EM & ECD.) | | |
| Chicago Plenum | CP | |
| Daylight Circuit | _DC | |
| Emergency Circuit | _EC | |
| Emergency Battery Pack† | _EM | |
| Emergency Control Device† (4" minimum.) | _ECD | |
| 6' New York City Flex Whip (120V) | FNY1 | |
| 6' New York City Flex Whip (277V) | FNY2 | |
| 6' Flex Whip | FW | |
| Finish | | WH |
| Matte White Housing | WH | |
| Luminaire Length (Lengths are nominal. 2' minimum length.) | | |
| Specify luminaire/row length in 1' increments (Smaller increments available. Consult factory for details.) | X' | |

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.

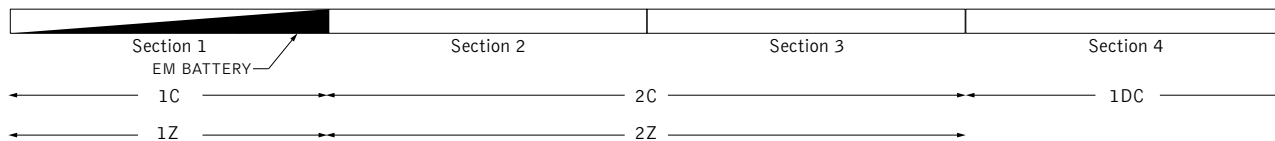
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

| TOTAL RUN LENGTH: <u>32ft</u> | | JOB NAME: _____ | | | FIXTURE TYPE: _____ | | | | |
|--------------------------------|-----------------|-----------------|--------------------------------------|--------------|---------------------|---------------------------|-------------------|------------|----|
| EXAMPLE | 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 | 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 | 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



FOCAL POINT®

| 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 | SEPARATE ELECTRICAL FEEDS | | | |
| 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.