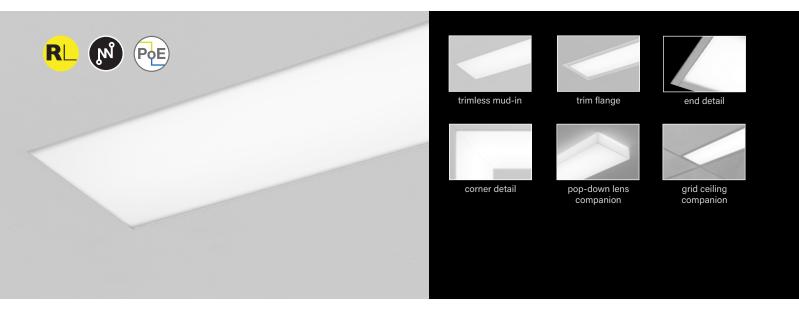
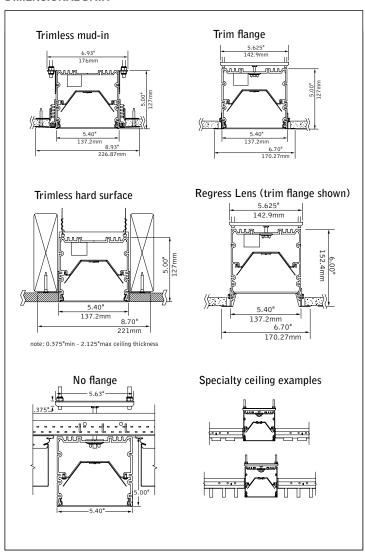
Seem® 6 Drywall/Hard/Specialty Ceiling





DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 6" aperture recessed slot LED.

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

Individual units and continuous runs in 1" increments.

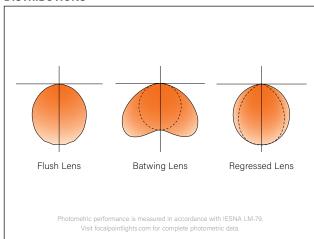
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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

Connected Solutions: Integrates with wired and wireless building lighting control systems.

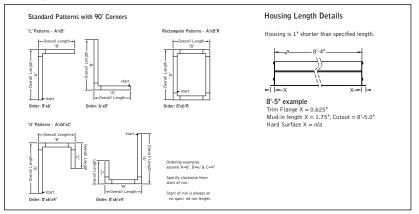
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

DISTRIBUTIONS



ixture: 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 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 3 SDCM. 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

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. XFW acceptable for use with wood, consult factory for Type IC availability. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" 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.

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.

Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 18.8ft. Emergency Circuit with Connected Solutions (LMFS1, LMFSD, 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.

Lumen Maintenance

 $\begin{tabular}{lll} Reported: & L70 > 61,000 \ hours & Calculated: & L70 \ at > 350,000 \ hours \\ & L90 > 61,000 \ hours & L90 \ at > 90,000 \ hours \\ \hline \end{tabular}$ (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

| | | Delivered Lumens LPW | | | | Delivered Lumens LPW | | | | |
|-----------------------------|---------------------------|------------------------|----|------|-----|---------------------------|------|----|------|-----|
| Lumen Output per foot | Tested System Watts | F | L | B | W | Tested System Watts | s | R | SR | XP |
| 375LF | 18.2 | 1737 | 95 | 1939 | 106 | 17.2 | 1675 | 97 | 1855 | 108 |
| 625LF | 31.2 | 2949 | 94 | 3291 | 105 | 29.4 | 2872 | 98 | 3180 | 108 |
| 875LF | 44.2 | 4066 | 92 | 4539 | 103 | 41.7 | 4030 | 97 | 4462 | 107 |
| 1000LF | 50.8 | 4636 | 91 | 5175 | 102 | 47.9 | 4531 | 95 | 5017 | 105 |
| 1125LF | 53.6 | 4874 | 91 | 5441 | 101 | 52.2 | 4867 | 93 | 5389 | 103 |
| 1250LF | 60.8 | 5412 | 89 | 6041 | 99 | 57.3 | 5407 | 94 | 5987 | 104 |

Based on 3500K, 80 CRI, 4' lengths. Lumen multipliers: . Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

| ORDERING | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------|
| Luminaire Series | - | FSM6L |
| Seem 6 LED | FSM6L | |
| Shielding Batwing Lens | BW | |
| Flush Lens | FL | |
| Regressed Lens* | SR | |
| Regressed High Performance Lens* *(Ceiling applications only) | SRXP | |
| Lumen Output | _ | |
| 375 Lumens per foot (Not available with LH1.) | 375LF | |
| 625 Lumens per foot (4' minimum with LH1. Patterns not available with LH1.) | 625LF | |
| 875 Lumens per foot (3' minimum with LH1. Patterns not available with LH1.) | 875LF | |
| 1000 Lumens per foot | 1000LF | |
| 1125 Lumens per foot | 1125LF | |
| 1250 Lumens per foot | 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 | LINIV/ | |
| 120/277 UNV Volt Low voltage | UNV LV | |
| Control System & Dimming Level | LV | |
| 0-10V - 10% Dimming | LD1 | |
| 0-10V - 1% Dimming | L11 | |
| Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.) | LVN | |
| Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming | LH1 | |
| DALI 1% Dimming (Not available with patterns.) | D11 | |
| (Not available with patterns.) Wattstopper Fixture Sensor**1 Low Density – 1% Dimming | LMFS1 | |
| wallstopper Fixture Sensor*** | LIVITOD | |
| High Density – 1% Dimming WaveLinx Pro – 1% Dimming)**1 | WLXP | |
| **(3' minimum length, with ECD/EM - 7' minimum. XF1, XF2 and XFF only) | | |
| 1 (See sensor layout guide) | | |
| Ceiling Configurations | NF . | |
| No Flange for specialty ceilings (Ex. slat, panel, cloud systems. 3' minimum with Lutron Drivers) | | |
| Trim Flange Drywall (3' minimum with Lutron Drivers) | TF | |
| Trim Flange Wood (3' minimum with Lutron Drivers) | TFW | |
| Mud-in Trimless, pre-set for 1/2" Drywall | XF1 XF2 | |
| Mud-in Trimless, pre-set for 5/8" Drywall Mud-in Trimless, set thickness in field | XFF | |
| Non-Drywall Hard Surface | XFN | |
| Hard Surface, Wood | XFW | |
| Factory Options | | |
| (See Ordering Guide on page 4 for ordering details for DC, EC, EM & ECD.) | CD | |
| Chicago Plenum (Not available with Flex Whip) | CP . | |
| Daylight Circuit | _DC | |
| Emergency Circuit | _EC | |
| Emergency Battery Packt | _EM | |
| Emergency Control Device† †(4' minimum. 6' minimum with patterns. 120/277 Volt only. | _ECD | |
| Not available at corners.) 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 | ft in |
| Luminaire Length Specify luminaire/row length in 1" increments | _ft _in | |
| (2' minimum, lengths are nominal 1" increments. Housing length is 1" shorter than specified. Leave blank for patterns. Smaller increments available, consult factory) | _ | |
| Smaller increments available, consult factory.) Pattern Options | | |
| (4' minimum length) | | |
| 'L' pattern | A' x B' | |
| 'U' pattern | A'xB'xC' | |
| Rectangular pattern (Consult factory for other pattern options) | A' x B' R | |
| | | |



Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.[†]

| Connected Solution | Ordering Code | Model #** | Protocol | Compatible Networks* | Occupancy & Daylight | Temperature Reporting | Communication to Luminaire | Drivers | |
|----------------------------------------------|------------------|------------------------|----------------------|------------------------------------------------|----------------------------|--------------------------|--------------------------------------------------------|-------------------------------|--------------------|
| | LMFS1 | LMFS-601 & LMFI-111 | DLM | DLM | Enabled | Enabled | No | No Wireless | Advance by Signify |
| WATTSTOPPER* | LMFSD | LMFS-601 | Wireless | DLIVI | Enablea | 140 | VVIICICSS | Optotronic by eldoLED (Dexal) | |
| COOPER Lighting Solutions | WLXP | OEM-WAA | WaveLinx Wireless | WaveLinx Pro Trellix | Enabled | No | Wireless (WaveLinx Pro Wireless Area Controller) | Advance by Signify | |
| © CRESTRON | D11 | D11 | Specified | DALI | Crestron Zūm Wireless & | Enabled | No | Wired | eldoLED ECOdrive |
| Connections located under access panel. | L11 | Driver | 0-10V | SpaceBuilder | Litabled 140 | Wiled | Advance by Signify | | |
| LUTRON Connections located under occess pund | LH1 | LDE1 | EcoSystem | Quantum, Energi Savr Node, Energi TriPak | Enabled | No | Wired | Lutron Hi-Lume | |

^{*}Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold.** To specify a particular driver please consult factory of the control systems supplied by others.

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 | OTAL RUN LENGTH: 32ft JOB NAME: | | | FIXTURE TYPE: | | | | |
|---------|--------------|---------------------------------|----------------------|------------------|------------------|---------------------|---------------------------|-----|-----|
| | | | SHA | RED ELECTRICAL F | EED, | FACTORY OPTIONS | | | |
| | HOUSING | SECTION | | NORMAL POWER | | | SEPARATE ELECTRICAL FEEDS | | |
| m | SECTION | LENGTH | SWITCHING CIRCUIT | DIMMING ZONE | DAYLIGHT ZONE | DAYLIGHT CIRCUIT | EMERGENCY CIRCUIT | ECD | EM |
| EXAMPLE | 1 | 8 | 1C | 1Z | | | | | 1EM |
| Ę | 2 | 8 | 2C | 2Z | | | | | |
| | 3 | 8 | 2C | 2Z | | | | | |
| | 4 | 8 | | | | 1DC | | | |
| | Totals / Ord | ering Codes | 2C | 2Z | | 1DC | | | 1EM |

ORDERING: FSM4L-FL-625LF-35K- 2C2Z -UNV-LD1-G2- 1DC-1EM -WH-32ft

| Section 1 EM BATTERY | Section 2 | Section 3 | Section 4 |
|----------------------|-----------|-----------|-----------|
| 1C | 2 | c — | 1DC |
| 1Z | 2 | Z | |

| 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: | | | | |
|-----------|-----------------------------|-------------|----------------------|-----------------|------------------|---------------------|----------------------|-----|----|
| | | | SHAR | ED ELECTRICAL I | FEED, | FACTORY OPTIONS | | | |
| | HOUSING SECTION | SECTION | NORMAL POWER | | | SEPARA | | | |
| | | LENGTH | SWITCHING CIRCUIT | DIMMING ZONE | DAYLIGHT ZONE | DAYLIGHT CIRCUIT | EMERGENCY CIRCUIT | ECD | EM |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | | | | | | | | |
| WOI | 8 | | | | | | | | |
| WORKSHEET | 9 | | | | | | | | |
| EET | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | | | | | | | |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | | | | | | | | |
| | Totals / Ord | ering Codes | | | | | | | |

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

| RUN CHART | <u>-</u> | | | | |
|--------------------|------------------------------------------|--------------------|------------------------------------------|--------------------|---------------------------|
| Run length (ft) | Housing Configuration Section Lengths | Run length (ft) | Housing Configuration Section Lengths | Run length (ft) | Housing Con Section Le |
| 9 | 5 + 4 | 21 | 8 + 8 + 5 | 33 | 8 + 8 + 8 |
| 10 | 6 + 4 | 22 | 8 + 8 + 6 | 34 | 8 + 8 + 8 |
| 11 | 7 + 4 | 23 | 8 + 8 + 7 | 35 | 8 + 8 + 8 |
| 12 | 8 + 4 | 24 | 8 + 8 + 8 | 36 | 8 + 8 + 8 |
| 13 | 8 + 5 | 25 | 8 + 8 + 5 + 4 | 37 | 8 + 8 + 8 - |
| 14 | 8 + 6 | 26 | 8 + 8 + 6 + 4 | 38 | 8 + 8 + 8 - |
| 15 | 8 + 7 | 27 | 8 + 8 + 7 + 4 | 39 | 8 + 8 + 8 |
| 16 | 8 + 8 | 28 | 8 + 8 + 8 + 4 | 40 | 8 + 8 + 8 - |
| 17 | 8 + 5 + 4 | 29 | 8 + 8 + 8 + 5 | 41 | 8 + 8 + 8 + |
| 18 | 8 + 6 + 4 | 30 | 8 + 8 + 8 + 6 | 42 | 8 + 8 + 8 + |
| 19 | 8 + 7 + 4 | 31 | 8 + 8 + 8 + 7 | 43 | 8 + 8 + 8 + |
| 20 | 8 + 8 + 4 | 32 | 8 + 8 + 8 + 8 | 44 | 8+8+8+ |

| Housing Configuration Section Lengths | length (ft) | Housing Configuration Section Lengths |
|------------------------------------------|----------------|------------------------------------------|
| 8 + 8 + 8 + 5 + 4 | 45 | 8 + 8 + 8 + 8 + 8 + 5 |
| 8 + 8 + 8 + 6 + 4 | 46 | 8 + 8 + 8 + 8 + 8 + 6 |
| 8 + 8 + 8 + 7 + 4 | 47 | 8 + 8 + 8 + 8 + 8 + 7 |
| 8 + 8 + 8 + 8 + 4 | 48 | 8+8+8+8+8+8 |
| 8 + 8 + 8 + 8 + 5 | | |
| 8 + 8 + 8 + 8 + 6 | | |
| | | |

+ 8 + 8 8 + 5 + 4 8 + 6 + 4 8 + 7 + 4

Standard run configurations, consult factory for custom configurations.