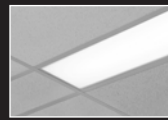
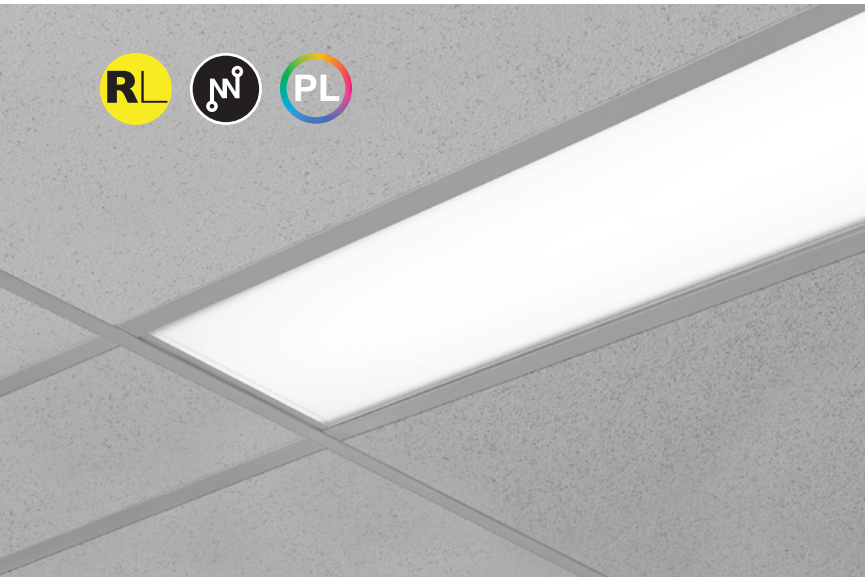


# Seem® 6

LED FOR TECHZONE™ CEILING SYSTEMS



flush lens



regressed lens



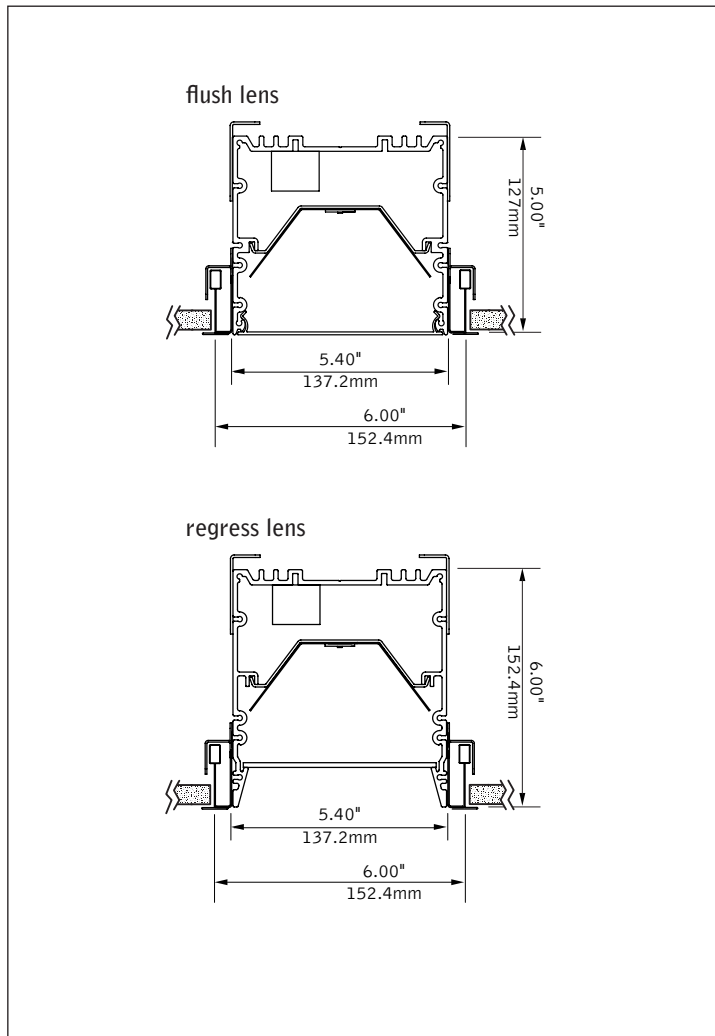
pop-down lens companion



end detail



## DIMENSIONAL DATA



## FEATURES

Narrow extruded aluminum 6" aperture recessed slot LED.

Integrates with TechZone™ Ceiling Systems for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1" increments.

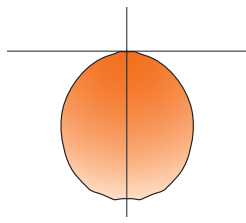
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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.

Preferred Light: Lighting for better color rendition and human preference.

## PERFORMANCE



**PRODUCT OVERVIEW**

Lumen Output: 1500-4000lm

Wattage: 15-51W

LPW: 78-104

SDCM: 3

4' Flush Lens  
625 Lumens per foot

**Delivered Lumens: 2500lm**

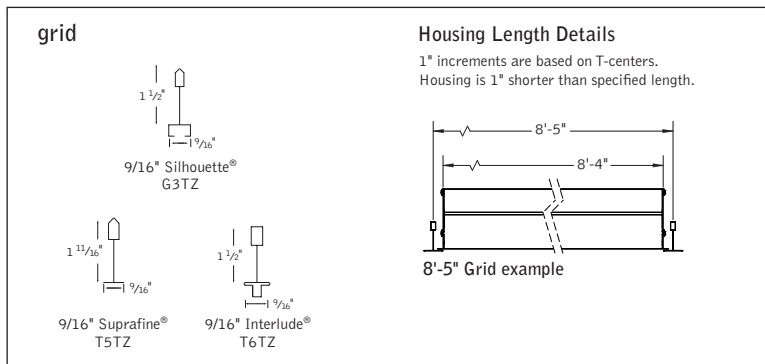
**Total System Watts: 30W**

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

fixture:

project:

**MOUNTING INFORMATION**



**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 or 4000K with CRI>80, 3SDCM. 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' weight: 18 lbs., 3' weight: 24 lbs., 4' weight: 30 lbs., 5' 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.

**Emergency Battery**

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 18.8ft. See EM/EC Guide for default locations and ordering details.

**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 350,000 hours  
 L90 at >61,000 hours                                      L90 at 90,000 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	Tested System Watts	LPW
Flush Lens	375LF	1500	18	83
	625LF	2500	30	83
	875LF	3500	44	80
	1000LF	4000	51	78
Regressed Lens	375LF	1500	17	88
	625LF	2500	28	89
	875LF	3500	42	83
	1000LF	4000	48	83
Regressed High Performance	375LF	1500	15	100
	625LF	2500	24	104
	875LF	3500	36	97
	1000LF	4000	41	98

Based on 3500k, 4' lengths. \*Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%. Preferred Light lumen multiplier = 0.65.

**ORDERING**

**Luminaire Series**

Seem 6 TechZone LED **FSM6L**

**Shielding**

Flush Satin Lens **FL**

Regressed Lens **SR**

Regressed High Performance Lens **SRXP**

**Lumen Output**

375 Lumens per foot **375LF**

(Not available with LU5 & LH1 Drivers)

625 Lumens per foot **625LF**

(4' minimum with LU5 & LH1 Drivers)

875 Lumens per foot **875LF**

(3' minimum with LU5 & LH1 Drivers)

1000 Lumens per foot **1000LF**

**Color Temperature**

3000K **30K**

3500K **35K**

4000K **40K**

3500K Preferred Light **P35K**

(Flush Lens only. 6" increments.)

**Circuit**

Single Circuit **1C**

**Voltage**

UNV 120/277 Volt **UNV**

**Control System & Dimming Level**

0-10V - 10% Dimming **LD1**

0-10V - 1% Dimming **L11**

Lutron Hi-Lume EcoSystem (LDE1) - **LH1**

1% Dimming **LH1**

Lutron 5-Series EcoSystem (LDE5) - **LU5**

5% Dimming **LU5**

DALI 1% Dimming **D11**

Acuity nLight - 1% Dimming **NLT1**

(Not available with CP. Grid only. 3' minimum length.)

Enlighted Smart Sensor - 1% Dimming **ENL1**

(3' minimum length. Grid only.)

Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming **CLM1**

(3' minimum length. Grid only. Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only)

Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming **CLMZ1**

(3' minimum length. Grid only. Not compatible with Osram ENCELIUM systems)

Wattstopper® DLM - 1% Dimming **DLM1**

(3' minimum length. Grid only)

**TechZone™ Ceiling System Configurations**

9/16" Silhouette Slot-tee Tegular **G3TZ**

9/16" Suprafine Tegular **T5TZ**

9/16" Interlude Node Tegular **T6TZ**

**Factory Options**

Chicago Plenum **CP**

Emergency Circuit **\_EC**

(4' minimum. 7' minimum with CLM1, CLMZ1, DLM1, ENL1 & NLT1.)

Emergency Battery Pack **\_EM**

(4' minimum. 7' minimum with CLM1, CLMZ1, DLM1, ENL1 & NLT1. See EM/EC Guide for default locations and ordering details.)

6' New York City Flex Whip (120V) **FNY1**

6' New York City Flex Whip (277V) **FNY2**

6' Flex Whip **FW**

**Finish**

Matte White Housing **WH**

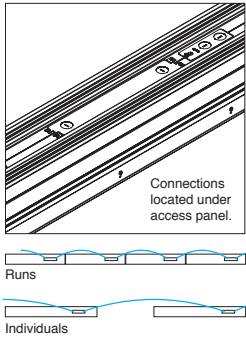
Luminaire Length Specify luminaire/row length in 1" increments **\_ft\_in**

(2' minimum, lengths are nominal 1" increments based on T-centers. Housing length is 1" shorter than specified. Smaller increments available, consult factory.)



Options in orange qualify for the Quickship program. 4', 8' and run length in 4' increments. 400' total. Refer to Quickship Guide for complete details.

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.†

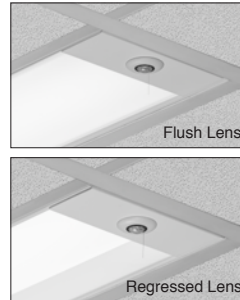


## nLIGHT

nLight® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

Acuity nLight - 1% Dimming (NLT1)  
Acuity Model #nEPS-60-IO

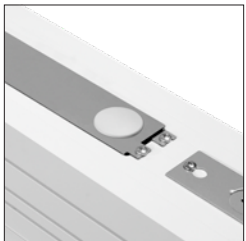
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



## enlightened

Enlightened smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlightened network.

Enlightened Smart Sensor - 1% Dimming (ENL1)  
Enlightened Model #SU-4E-01

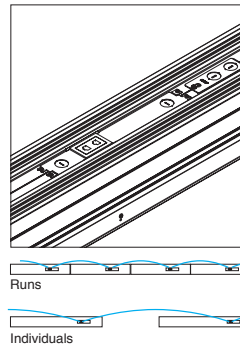


## OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™, and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1 & CLMZ1)  
Osram Model #ZBHA-CLM DIM

Serial labels will be provided on outside of luminaires and control unit.

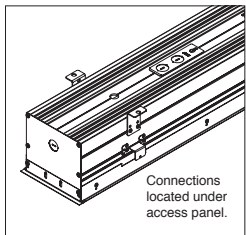


## legrand® WATTSTOPPER®

A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)  
Wattstopper Model #LMFC-011

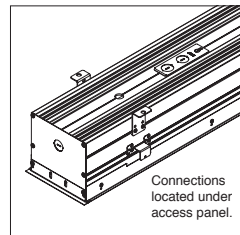
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



## LUTRON

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)  
Lutron Model #LDE1  
Lutron 5-Series EcoSystem - 5% Dimming (LU5)  
Lutron Model #LDE5



## CRESTRON

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Züm wireless and SpaceBuilder working with Züm hub scheduling or FUSION management.

DALI - 1% Dimming (D11)  
0-10V - 1% Dimming (L11)

Note: 0-10V is not a digital network but is compatible with Creston Züm™ system.

### CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	<b>eldoLED ECOdrive</b> , eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	<b>eldoLED ECOdrive (DALI)</b> , <b>Philips Xitanium (0-10V)</b>
Enlightened Smart Sensor (ENL1)	SU-4E-01**	Enlightened RF	Enlightened	Integrated	Integrated	Yes	Wireless	<b>Philips SimpleSet</b> , Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	<b>Philips SimpleSet</b> , Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1**, LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	<b>Lutron Hi-Lume</b> <b>Lutron 5-Series</b>
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	<b>Osram Optotronic</b>
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	<b>Osram Optotronic</b>

\*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. †Controls systems supplied by others.

# Seem® EM/EC Guide

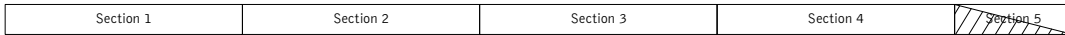
FSM1, FSM1S, FSM1W, FSM2L-FL, FSM2L-FL2, FSM2LS, FSM2LW, FSM4L-FL/SR/SRXP, FSM4L-FL2, FSM4LS, FSM4LW, FSM4LP, FSM6L-FL/SR/SRXP\*



## DEFAULT LOCATIONS

- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.
- EM/EC illuminate entire sections from 4' to 8' in length.
- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

### 1 EM/EC – END OF RUN



Ordering example: FSM4L-FL... **1EM-WH-36ft**

### 2 EM/EC – START & END OF RUN

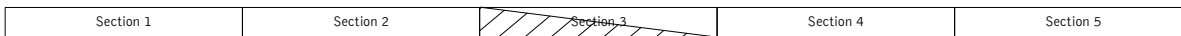


Ordering example: FSM4L-FL... **2EM-WH-36ft**

## ALTERNATE LOCATIONS AND QUANTITIES

- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

### ONE EM IN 3<sup>RD</sup> SECTION



Ordering example: FSM4L-FL... **1EM-3-WH-40ft**

### THREE EM IN 1<sup>ST</sup>, 3<sup>RD</sup> AND 6<sup>TH</sup> SECTIONS



Ordering example: FSM4L-FL... **3EM-1-3-6-WH-48ft**

## CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.
- Longer lead times may apply.

Run length (ft)	Housing Configuration Section Lengths
9	5 + 4
10	6 + 4
11	7 + 4
12	8 + 4
13	8 + 5
14	8 + 6
15	8 + 7
16	8 + 8
17	8 + 5 + 4
18	8 + 6 + 4
19	8 + 7 + 4
20	8 + 8 + 4
21	8 + 8 + 5
22	8 + 8 + 6
23	8 + 8 + 7
24	8 + 8 + 8
25	8 + 8 + 5 + 4
26	8 + 8 + 6 + 4
27	8 + 8 + 7 + 4

Run length (ft)	Housing Configuration Section Lengths
28	8 + 8 + 8 + 4
29	8 + 8 + 8 + 5
30	8 + 8 + 8 + 6
31	8 + 8 + 8 + 7
32	8 + 8 + 8 + 8
33	8 + 8 + 8 + 5 + 4
34	8 + 8 + 8 + 6 + 4
35	8 + 8 + 8 + 7 + 4
36	8 + 8 + 8 + 8 + 4
37	8 + 8 + 8 + 8 + 5
38	8 + 8 + 8 + 8 + 6
39	8 + 8 + 8 + 8 + 7
40	8 + 8 + 8 + 8 + 8
41	8 + 8 + 8 + 8 + 5 + 4
42	8 + 8 + 8 + 8 + 6 + 4
43	8 + 8 + 8 + 8 + 7 + 4
44	8 + 8 + 8 + 8 + 8 + 4
45	8 + 8 + 8 + 8 + 8 + 5
46	8 + 8 + 8 + 8 + 8 + 6
47	8 + 8 + 8 + 8 + 8 + 7
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.

\*Recessed and suspended only. Does not include direct/indirect, pop-down lens or asymmetric options.