Seem® 2

LED

FOCAL POINT®

RL N° PL

trimless mud-in

trim flange

grid

end detail

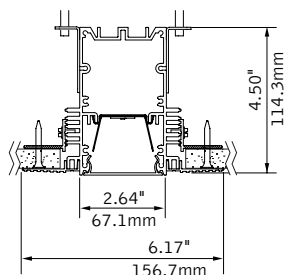corner detail

regress lens

wall to ceiling
companion

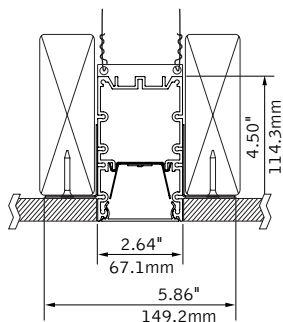perimeter
companion

suspended & wall
mount companions

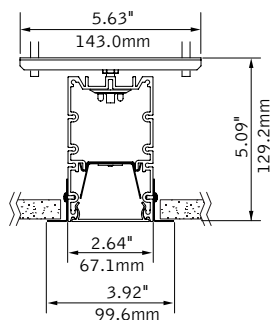## DIMENSIONAL DATA

trimless mud-in

4.50"
114.3mm

2.64"
67.1mm

6.17"
156.7mm

note: 0.375"min - 2.125"max ceiling thickness

trimless hard surface

4.50"
114.3mm

2.64"
67.1mm

5.86"
149.2mm

note: 0.375"min - 2.125"max ceiling thickness

trim flange

5.63"
143.0mm

5.09"
129.2mm

2.64"
67.1mm

3.92"
99.6mm

grid - regress lens shown

5.50"
139.7mm

2.64"
67.1mm

3.5"
88.9mm
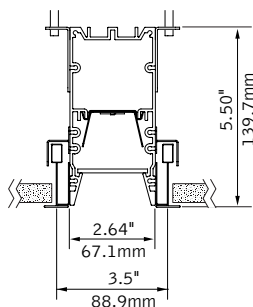
FEATURES

Narrow extruded aluminum 2.5" 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.
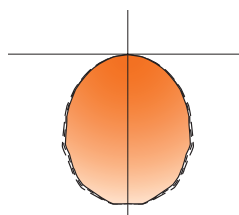
Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

PERFORMANCE

PRODUCT OVERVIEW

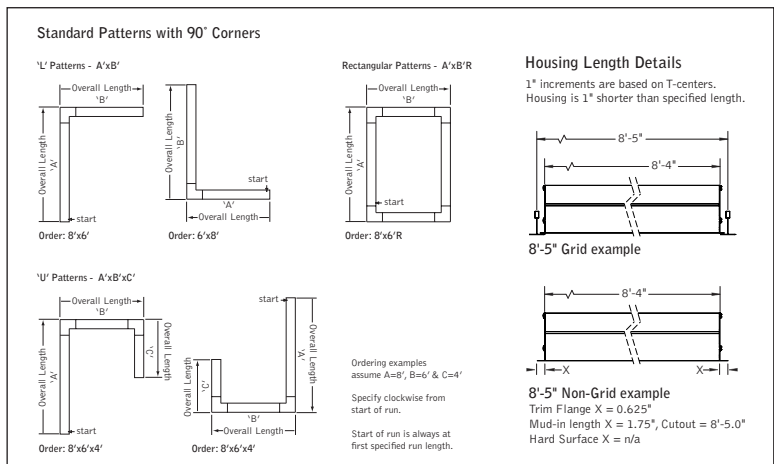|	
Lumen Output:	500-2500lm
Wattage:	5-43W
LPW:	71-89
SDCM:	3

4' Flush Lens
Nominal output:
250 Lumens per foot

Delivered Lumens: 1000lm

Total System Watts: 14W

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

fixture: _____ project: _____

DETAILS

Standard Patterns with 90° Corners

'L' Patterns - A'xB'

Overall Length 'B'
Overall Length 'A'
start
Order: 8'x6'

Overall Length 'B'
Overall Length 'A'
start
Order: 6'x8'

Rectangular Patterns - A'xB'R

Overall Length 'B'
Overall Length 'A'
start
Order: 8'x6'R

'U' Patterns - A'xB'xC'

Overall Length 'B'
Overall Length 'A'
Overall length 'C'
start
Order: 8'x6'x4'

Overall Length 'B'
Overall Length 'A'
Overall length 'C'
start
Order: 8'x6'x4'

Ordering examples assume A=8', B=6' & C=4'

Specify clockwise from start of run.

Start of run is always at first specified run length.

Housing Length Details

1" increments are based on T-centers. Housing is 1" shorter than specified length.

8'-5"
8'-4"

8'-5" Grid example

8'-4"

X ⊢ X ⊣

8'-5" Non-Grid example

Trim Flange X = 0.625"
Mud-in length X = 1.75", Cutout = 8'-5.0"
Hard Surface X = n/a

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, 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' unit: 5.1 lbs., 3' unit: 7.6 lbs., 4' unit: 10.1 lbs., 5' unit: 12.6 lbs.

Optic
Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" 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
Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft. Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, CLMZ1, DLM1) shipped standard with leads to connect UL924 compliant device, by others. 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 270,000 hours
L90 at >61,000 hours   L90 at 73,000 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	125LF	500	5	89
	250LF	1000	14	88
	375LF	1500	18	88
	625LF	2500	31	87
Regress Lens	125LF	500	7	72
	250LF	1000	16	72
	375LF	1500	26	71
	625LF	2500	43	72
Regress High Performance Lens	125LF	500	6	84
	250LF	1000	13	83
	375LF	1500	19	84
	625LF	2500	33	83

Based on 3500K, 80 CRI, 4' lengths. Lumen multipliers: Preferred Light = 0.65, 90+ CRI = 0.87.
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		**FSM2L**
Seem 2 LED	FSM2L	
Shielding		_____
Flush Satin Lens	FL	
Regress Lens	SR	
(Housing height 5.5". Ceiling applications only)		
Regress High Performance Lens	SRXP	
(Housing height 5.5". Ceiling applications only)		
Lumen Output		_____
125 Lumens per foot	125LF	
(LD1, L11 & D11 only. 4' minimum.)		
250 Lumens per foot	250LF	
(Not available with LU5 & LH1. 4' minimum with D11 & FL lens)		
375 Lumens per foot	375LF	
(4' minimum with LU5 & LH1 or D11 with FL lens.)		
625 Lumens per foot	625LF	
(3' minimum with LU5 & LH1)		
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	
3500K, Preferred Light	P35K	
(Flush Lens only. 6" increments. Not available with Emergency Battery or patterns.)		
Circuit		**1C**
Single Circuit	1C	
Voltage		**UNV**
UNV 120/277 Volt	UNV	
Control System & Dimming Level		_____
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI 1% Dimming	D11	
Acuity nLight - 1% Dimming	NLT1	
(3' minimum length. Not available with CP. Grid only.)		
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.)		
Ceiling Configuration		_____
Std. 15/16" Lay-in	G1	
Std. 15/16" Tegular	T1	
Std. 9/16" Lay-in	G2	
Std. 9/16" Tegular	T2	
9/16" Slot-tee Tegular	G3	
Tall 15/16" Lay-in	G4	
Tall 15/16" Tegular	T4	
Tall 9/16" Lay-in	G5	
Tall 9/16" Tegular	T5	
Node 9/16" Tegular	T6	
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	XFF	
(Mounting equipment assembled in field)		
Non-Drywall Hard Surface	XFN	
Hard Surface, Wood	XFW	
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. Not available at corners. 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		**WH**
Matte White Housing	WH	
Luminaire Length		___ft ___in
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. Leave blank for patterns. Smaller increments available, consult factory.)		
Pattern Options		_____
(3' minimum length)		
'L' pattern	A' x B'	
'U' pattern	A' x B' x C'	
Rectangular pattern	A' x B' R	
(Consult factory for other pattern options)		

**QS 10 DAY*** Options in orange qualify for the Quickship program. 400' total. Refer to Quickship Guide for complete details including EM/EC options.

For more information visit focalpointlights.com/reference or consult factory.

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.†
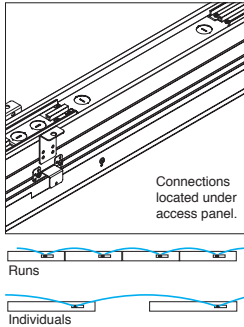
nLIGHT

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

Connections located under access panel.

Runs

Individuals

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.

Flush Lens

Regressed Lens

enlighted™
A Siemens Company
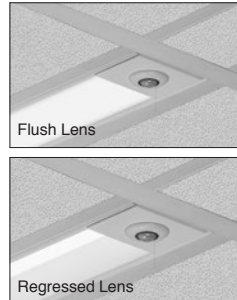
Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model SU-5E-IOT
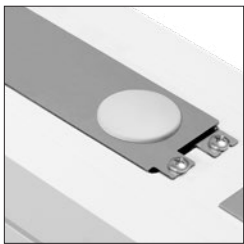
OSRAM

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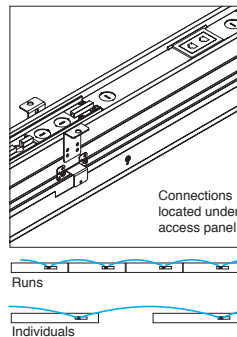
A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Connections located under access panel.

Runs

Individuals

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.
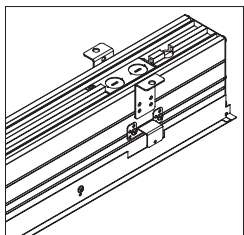
✳ LUTRON®

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
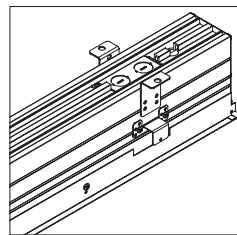
◎ CRESTRON®

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Zūm wireless and SpaceBuilder working with Zūm 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 Zūm™ 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	**eldoLED ECOdrive,** eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	**eldoLED ECOdrive (DALI), Advance by Signify (0-10V)**
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	**Advance by Signify,** Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Advance by Signify,** Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1,** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume Lutron 5-Series**
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	**Osram Optotronic**
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	**Osram Optotronic**

*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.