

trimless mud-in



trim flange



grid



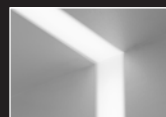
end detail



corner detail



regress lens



wall to ceiling companion



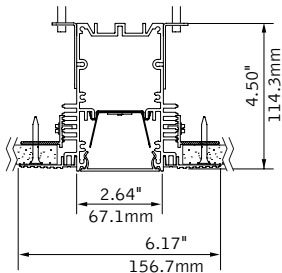
perimeter companion



suspended & wall mount companions

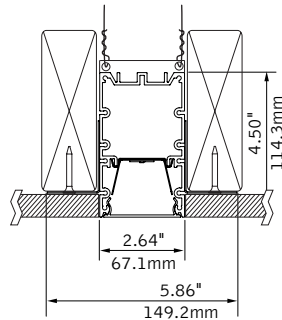
DIMENSIONAL DATA

trimless mud-in



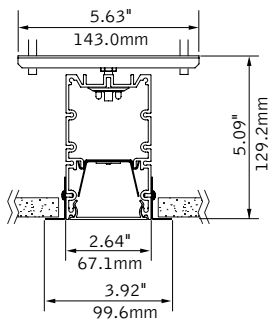
note: 0.375"min - 2.125"max ceiling thickness

trimless hard surface

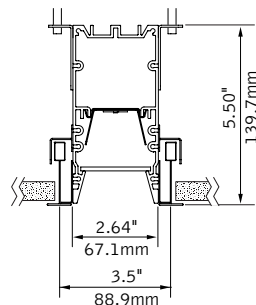


note: 0.375"min - 2.125"max ceiling thickness

trim flange



grid - regress lens shown



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.

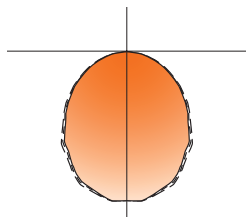
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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: 5-47W

LPW: 53-96

SDCM: 3

4' Flush Lens
Nominal output:
250 Lumens per foot

Delivered Lumens: 1000lm

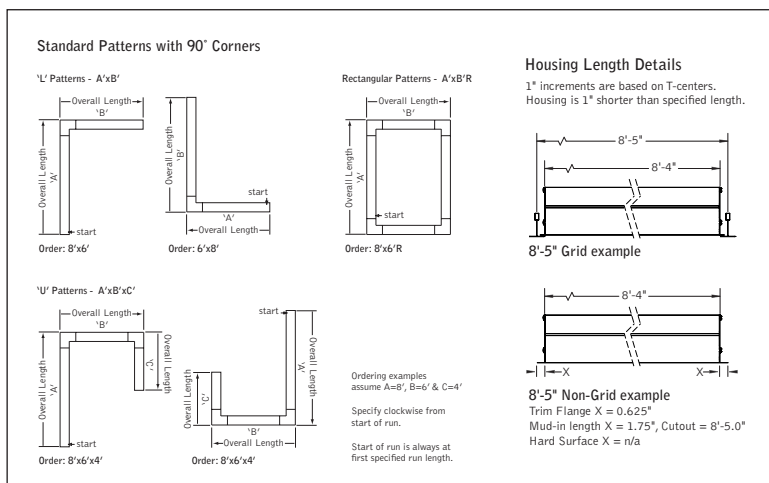
Total System Watts: 13W

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

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft. 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	96
	250LF	1000	13	80
	375LF	1500	19	79
	625LF	2500	33	76
Regress Lens	125LF	500	7	68
	250LF	1000	18	56
	375LF	1500	27	56
	625LF	2500	47	53
Regress High Performance Lens	125LF	500	6	89
	250LF	1000	14	72
	375LF	1500	21	72
	625LF	2500	36	69

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

Seem 2 LED

FSM2L

Shielding

Flush Satin Lens

FL

Regress Lens

SR

(Housing height 5.5". Ceiling applications only)

Regress High Performance Lens

(Housing height 5.5". Ceiling applications only)

SRXP

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 and D11 with FL lens.)

625 Lumens per foot

625LF

(3' minimum with LU5 & LH1 Drivers)

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

(Flush Lens only. 6" increments.

Not available with Emergency Battery or patterns.)

P35K

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) -

1% Dimming

LH1

Lutron 5-Series EcoSystem (LDE5) -

5% Dimming

LU5

DALI 1% Dimming

D11

Acuity nLight - 1% Dimming

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

NLT1

Enlighted Smart Sensor - 1% Dimming

(3' minimum length. Grid only.)

ENL1

Osram Connected Lighting Module for

ENCELIUM systems - 1% Dimming

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

CLM1

Osram Connected Lighting Module for

ZigBee Wireless Networks - 1% Dimming

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

CLMZ1

Wattstopper® DLM - 1% Dimming

(3' minimum length. Grid only.)

DLM1

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

(Mounting equipment assembled in field)

XFF

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

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

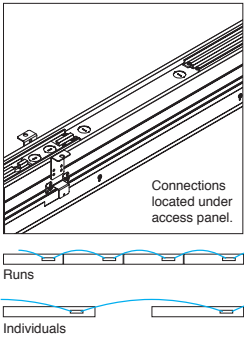
(Consult factory for other pattern options)



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.

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.†

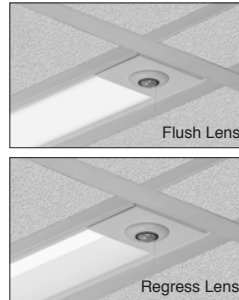


nLIGHT

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

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

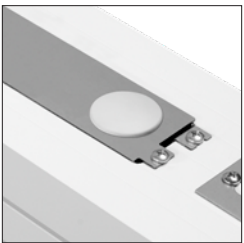
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



enlighted

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-4E-01

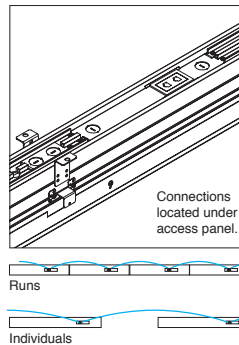


OSRAM

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.

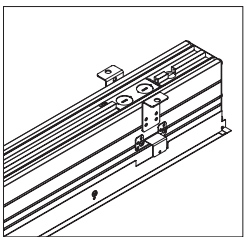


legrand® WATTSTOPPER®

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

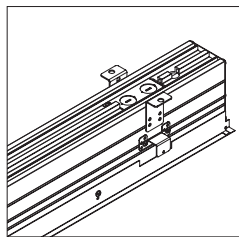
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



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	eldoLED ECOdrive , eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	eldoLED ECOdrive (DALI) , Philips Xitanium (0-10V)
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Philips SimpleSet , Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	Philips SimpleSet , 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.

Seem® EM/EC Guide

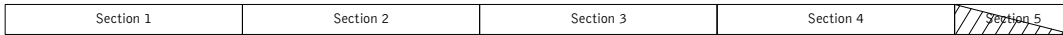
FSM1, FSM1S, FSM1W, FSM2L-FL, FSM2L-FL2, FSM2LS, FSM2LW, FSM4L-FL/SR/SRXP, FSM4L-FL2, FSM4LS, FSM4LW, FSM4LP, FSM6L-FL/SR/SRXP*



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

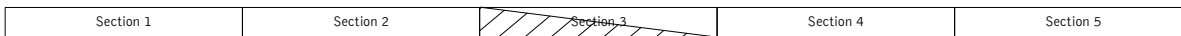


Ordering example: FSM4L-FL... **2EM-WH-36ft**

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 3RD SECTION



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

THREE EM IN 1ST, 3RD AND 6TH 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.