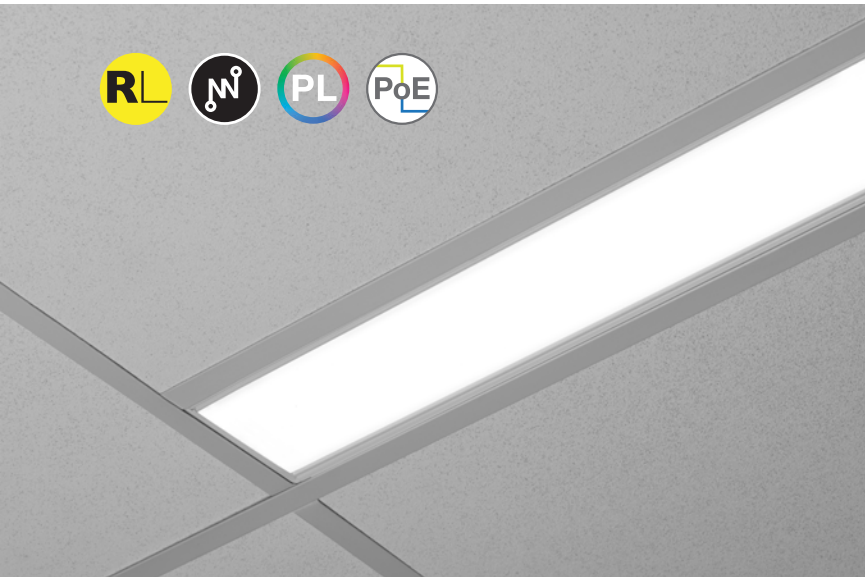


Seem® 2 Grid Ceiling

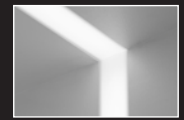
LED



0.5" pop-down lens



regress lens



wall to ceiling companion



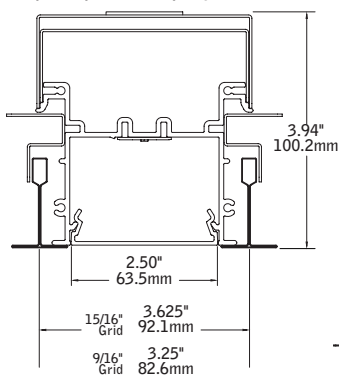
perimeter companion



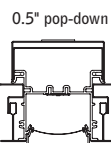
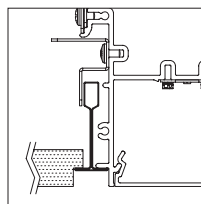
suspended & wall mount companions

DIMENSIONAL DATA

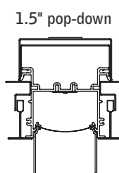
AS, BW, FL lens, lay-in



AS, BW, FL lens, Tegular detail

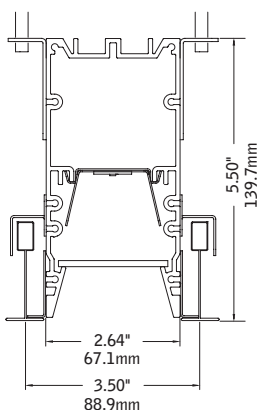


0.5" pop-down



1.5" pop-down

Regressed lens



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED.

Individual units and continuous runs in 1" increments.

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

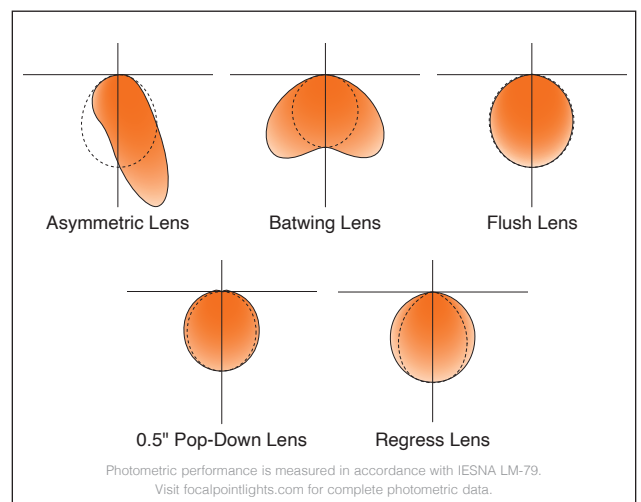
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

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

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

DISTRIBUTIONS



project:

Standard Patterns with 90° Corners

'L' Patterns - A'x'B'

Order: 8'x6'

'U' Patterns - A'x'B'x'C'

Order: 8'x6'x4'

Rectangular Patterns - A'x'B'R

Order: 8'x6'R

Housing Length Details

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

8'-5" Grid example

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.

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. Non-Regress housing LED modules are replaceable from below, driver access above ceiling. Regress housing LED modules and drivers are replaceable from below.

One piece extruded aluminum housing. 20 Ga. steel end caps. Steel driver compartment.
Flush lens weights: 4' unit: 12.18 lbs., 8' unit: 21.34 lbs. Regress lens weights: 4' unit: 10.1 lbs.,
8' unit: 20.2 lbs.

Extruded acrylic lens .060" thick with satin finish, up to 8' continuous. Regress lens .118" thick acrylic lay-in lens and 22 Ga. reflector finished in high reflectance white powder coat.

Luminaires are pre-wired with factory installed branch circuit wiring and quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. 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 Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.3ft (FL), 15.6ft (PD05). 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.

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Polyester powder coat applied over a multi-stage pre-treatment.

Reported: L70 at >61,000 hours Calculated: L70 at 480,000 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.)

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.

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

See page 3.

ORDERING					
Luminaire Series				FSM2L	
Seem 2 LED Grid Shielding				FSM2L	
Asymmetric Lens				AS	
Batwing Lens				BW	
Flush Lens				FL	
0.5" Pop-Down Lens				PD05	
1.5" Pop-Down Lens (Individual units only)				PD15	
Regress Lens (Housing height 5.5". Ceiling applications only)				SR	
Regress High Performance Lens (Housing height 5.5". Ceiling applications only)				SRXP	
Lumen Output					
125 Lumens per foot (LD1 & L11 driver only, 4' minimum.)				125LF	
250 Lumens per foot (3' minimum with LU5, LH1 driver.)				250LF	
375 Lumens per foot				375LF	
500 Lumens per foot				500LF	
625 Lumens per foot				625LF	
750 Lumens per foot*				750LF	
875 Lumens per foot*				875LF	
1000 Lumens per foot*				1000LF	
(*Not available with SR, SRXP shielding)					
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 (AS, BW & FL shielding only. 6" increments. Not available with Emergency Battery or patterns.)				P35K	
Circuit				1C	
Single Circuit				1C	
Voltage					
UNV 120/277 Volt				UNV	
347 Volt (LD1 & L11 driver only.)				347	
Low Voltage				LV	
Control System & Dimming Level					
0-10V - 10% Dimming				LD1	
0-10V - 1% Dimming				L11	
Low Voltage, PoE compatible driver. Not available with EM or EC. LV Voltage only.)				LVN	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming				LH1	
Lutron 5-Series EcoSystem (LDES) - 5% Dimming				LU5	
DALI 1% Dimming				D11	
Acuity nLight - 1% Dimming (3' minimum length. Not available with CP.)				NLT1	
Enlighted Smart Sensor - 1% Dimming (3' minimum length.)				ENL1	
Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming (minimum length. Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only.)				CLM1	
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (3' minimum length. Not compatible with Osram ENCELIUM systems.)				CLMZ1	
Wattstopper® DLM - 1% Dimming (3' minimum length.)				DLM1	
Ceiling Configuration					
Std. 15/16" Lay-in (G1) Tegular (T1)				G1	T1
Std. 9/16" Lay-in (G2) Tegular (T2)				G2	T2
9/16" Slot-tee Tegular				G3	
Tall 15/16" Lay-in (G4) Tegular (T4)				G4	T4
Tall 9/16" Lay-in (G5) Tegular (T5)				G5	T5
Node 9/16" Tegular				T6	
Factory Options					
Chicago Plenum (Not available with Flex Whip)				CP	
Emergency Circuit (Minimum: 7' minimum with CLM1, CLMZ1, DLM1, ENL1 & NLT1.)				_EC	
Emergency Battery Pack (Minimum: 7' minimum with CLM1, CLMZ1, DLM1, ENL1 & Not available at corners. See EM/EC Guide for default locations and ordering details.)				_EM	
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 (2' minimum, lengths are nominal 1" increments based on centers. Housing length is 1" shorter than specified. Leave for patterns. Smaller increments available, consult factory.)				_ft _in	
Pattern Options (3' minimum length)					
'L' pattern				A' x B'	
'U' pattern				A' x B' x C'	
Rectangular pattern (Consult factory for other pattern options)				A' x B' R	



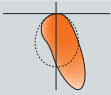




10 DAY*

Options in orange qualify for the Quickship program. 1000' total, 48' maximum per pattern section. Refer to Quickship Guide for complete details including EM/EC options.

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

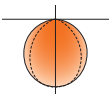
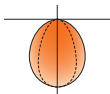
Focal Point LLC reserves the right to change specifications for product improvement without notification.

4' PERFORMANCE CHART

			Lumens Per Watt (LPW)				
Lumen Output	Delivered Lumens	Tested System Watts					
			AS	BW	FL	PD05	PD15
125LF	500	5	108	103	99	95	97
250LF	1000	9	108	103	99	95	97
375LF	1500	13	118	113	108	105	106
500LF	2000	18	120	115	110	106	108
625LF	2500	23	116	111	107	103	105
750LF	3000	28	116	111	106	103	104
875LF	3500	32	115	110	106	102	104
1000LF	4000	39	113	107	102	99	100

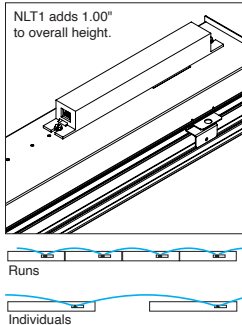
Based on 3500K, 4' length. Lumen multipliers: Preferred Light = 0.65, 90 CRI = 0.87.
Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

4' PERFORMANCE CHART - REGRESS LENS

					
SR				SRXP	
Lumen Output	Delivered Lumens	Tested System Watts	LPW	Tested System Watts	LPW
125LF	500	7	72	6	84
250LF	1000	16	72	13	83
375LF	1500	26	71	19	84
500LF	2000	34	72	26	83
625LF	2500	43	72	33	83

Based on 3500K, 4' length. Lumen multipliers: Preferred Light = 0.65, 90 CRI = 0.87.
Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

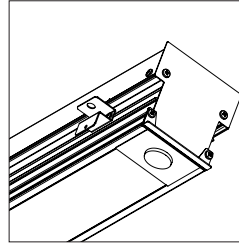
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally 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® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

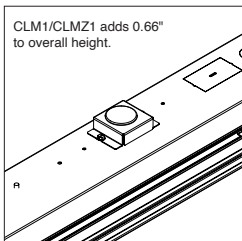
Acuity nLight - 1% Dimming (NLT1)
Acuity Model #nEPS-60-IO

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



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

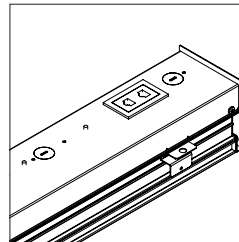
Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model SU-5E-IOT



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

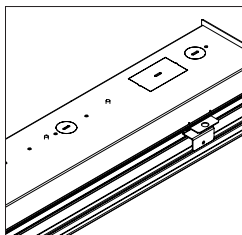
Serial labels will be provided on outside of luminaires and control unit.



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.

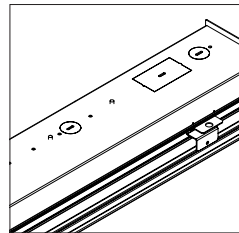
Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

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



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



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) , Advance by Signify
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.