

Seem® 2 Grid Ceiling

LED



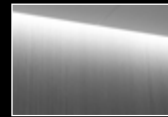
0.5" pop-down lens



regress lens



wall to ceiling companion

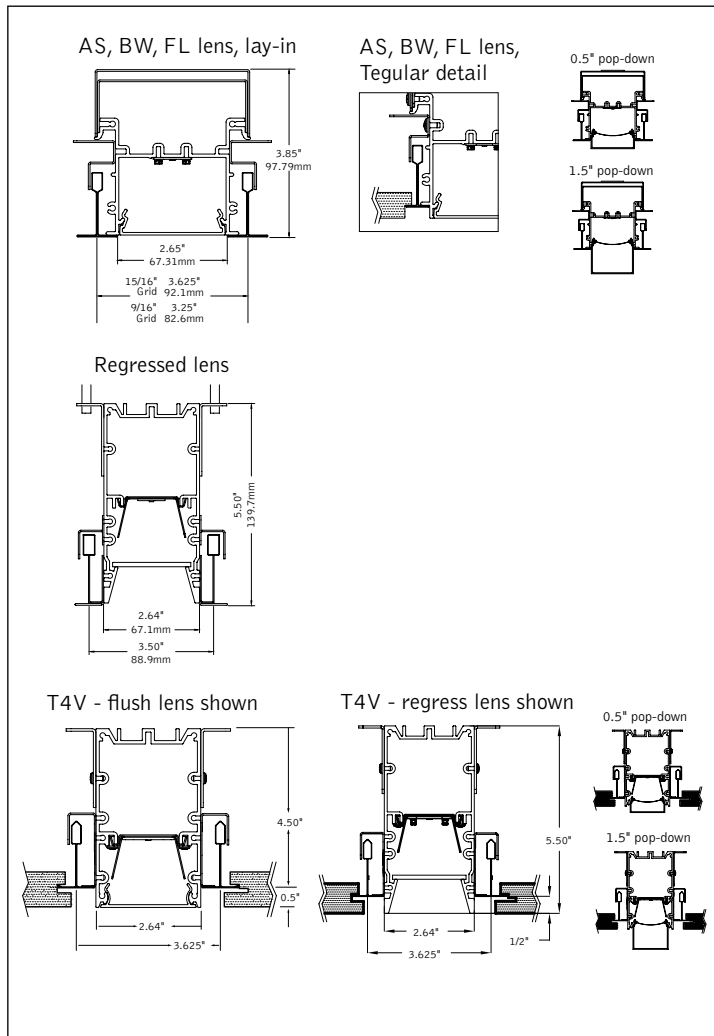


perimeter companion



suspended & wall mount companions

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED.

Individual units and continuous runs in 1" increments.

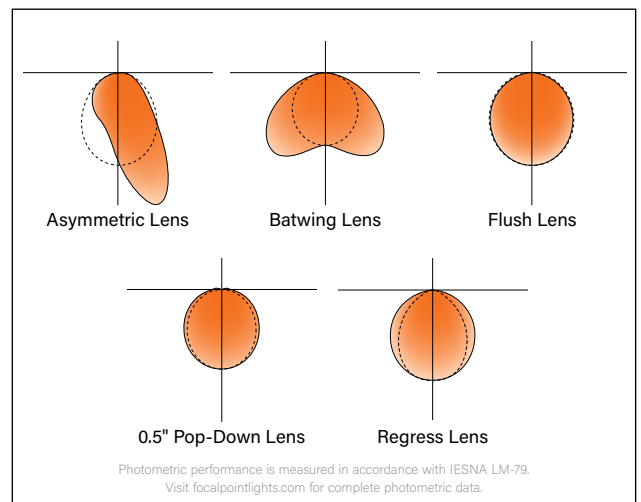
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

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.

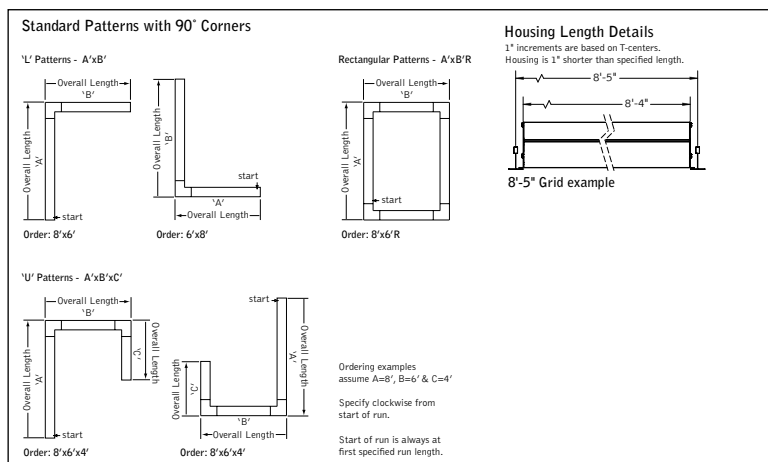
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

DISTRIBUTIONS



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

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Steel driver compartment. Flush lens weights: 4' unit: 1218 lbs., 8' unit: 2134 lbs. Regress lens weights: 4' unit: 101 lbs., 8' unit: 202 lbs.

Optic

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.

Electrical

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

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 19.3ft (FL), 15.6ft (PD05). Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFS0, NLT1, ENL1, CLM1, NXE1, 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

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.)

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

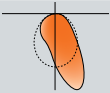



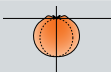
See page 3.

Luminaire Series		FSM2L
Seem 2 LED Grid	FSM2L	
Shielding		
Asymmetric Lens	AS	
Batwing Lens	BW	
Flush Lens	FL	
0.5" Pop-Down Lens	PD05	
1.5" Pop-Down Lens	PD15	
(Individual units only)		
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 only, 4" minimum, Not available on patterns.)		
250 Lumens per foot	250LF	
(3" minimum with LH1. Not available on patterns with LH1.)		
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	
Circuits & Zones		
1 Circuit, non-emergency	1C	
Consult Ordering Guide on page 5 for multiple circuiting and zoning options	_C_Z_DL	
Voltage		
120/277 UNV Volt	UNV	
347 Volt	347	
(LD1 & L11 driver only)		
Low Voltage	LV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Low Voltage, PoE compatible	LVN	
(No driver. Not available with EM or EC. LV Voltage only)		
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI 1% Dimming	D11	
Wattstopper DLM - 1% Dimming**	DLM1	
(Not available with CP)		
Wattstopper Fixture Sensor	LMFS1	
Low Density - 1% Dimming		
See sensor layout guide		
Wattstopper Fixture Sensor	LMFSD	
High Density - 1% Dimming		
See sensor layout guide		
Lutron Athena Wireless Node**	LAW1	
Lutron Athena Wireless Sensor**†	LAWS	
Acuity nLight - 1% Dimming**	NLT1	
(Not available with CP)		
Enlighted Smart Sensor - 1% Dimming**†	ENL1	
See sensor layout guide		
Encelium CLM Connected Lighting Module - 1% Dimming	CLM1	
Current NX Enabled - 1% Dimming**	NXE1	
(Not available with CP)		
WaveLinX Pro - 1% Dimming**†	WLXP	
See sensor layout guide		
** (3" minimum length, with ECD/EM - 7" minimum.)		
† (Not available with pop-down lenses.)		
Ceiling Configuration		
Std. 15/16" Lay-in (G1) or Regular (T1)	G1 or T1	
Std. 9/16" Lay-in (G2) or Regular (T2)	G2 or T2	
9/16" Slot-tee Regular	G3	
Tall 15/16" Lay-in (G4) or Regular (T4)	G4 or T4	
Tall 15/16" Regular for specialty ceilings	T4V	
(0.5" drop)		
Tall 9/16" Lay-in (G5) or Regular (T5)	G5 or T5	
Node 9/16" Regular	T6	
Factory Options		
(See Ordering Guide for ordering details for DC, EC, EM, & ECD.)		
Chicago Plenum	CP	
(Not available with Flex Whip)		
Daylight Circuit	_DC	
Emergency Circuit	_EC	
Emergency Battery Pack†	_EM	
Emergency Control Device†	_ECD	
† (4" minimum, 6" minimum with patterns. 120/277 Volt only. Not available at corners.)		
6' New York City Flex Whip (120V)	FN1Y	
6' New York City Flex Whip (277V)	FN2Y	
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		
(4" 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)		



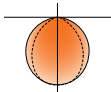
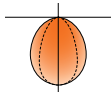
Options in orange qualify for the Quickship program. 1000' total, 48' maximum per pattern section.
Refer to Quickship Guide for complete details including EM/EC options.

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


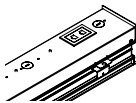





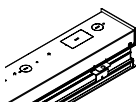





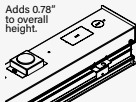

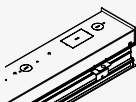

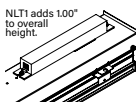


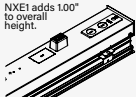

Based on 3500K, 4' length. Lumen multipliers: Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

4' PERFORMANCE CHART - REGRESS LENS

					
SR				SRXP	
Lumen Output	Delivered Lumens	Tested System Watts	LPW	Tested System Watts	LPW
125LF	500	7.4	77.4	5.5	90.3
250LF	1000	16.2	78.0	12.9	89.9
375LF	1500	25.6	76.8	18.8	90.2
500LF	2000	43.1	77.9	32.6	89.8
625LF	2500	43.0	72.0	33.0	83.0

Based on 3500K, 4' length. Lumen multipliers:
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.†

Connected Solution	Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers	
 WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	Advance by Signify, Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	Advance by Signify
		LMFSD	LMFS-601						Optotronic by eldoLED (Dexal)
		WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
		D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
		L11		0-10V					Advance by Signify
	 CLM1 adds 0.78" to overall height.	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
		ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
	 Adds 0.78" to overall height.	LAW1	A-WN-D01-RF-WH	DALI, 0-10V	Athena Wireless	Enabled	No	Wireless	Advance by Signify
		LAWS	A-WN-D01-OCC-WH	DALI, 0-10V	Athena Wireless	Integrated	No	Wireless	Advance by Signify
		LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
	 NLT1 adds 1.00" to overall height.	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	eldoLED ECOdrive, eldoLED SOLOdrive
	 NXE1 adds 1.00" to overall height.	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 	Optotronic by eldoLED

*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.