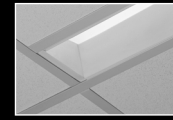


Seem® 2 Grid Ceiling

LED



0.5" pop-down lens



regress lens



wall to ceiling companion

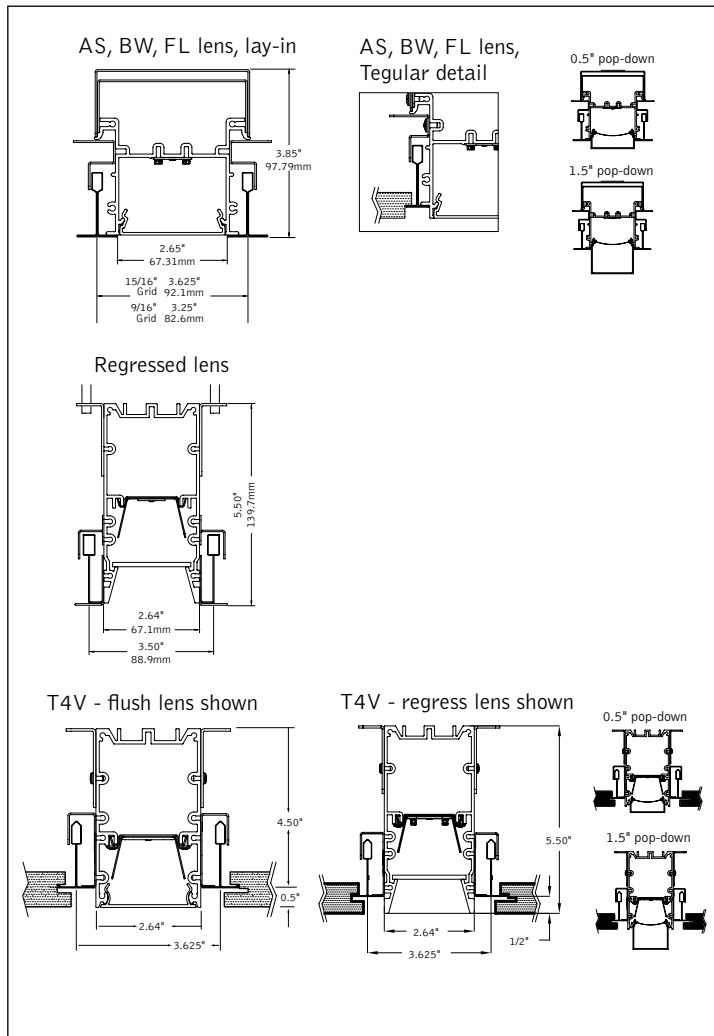


perimeter companion



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.

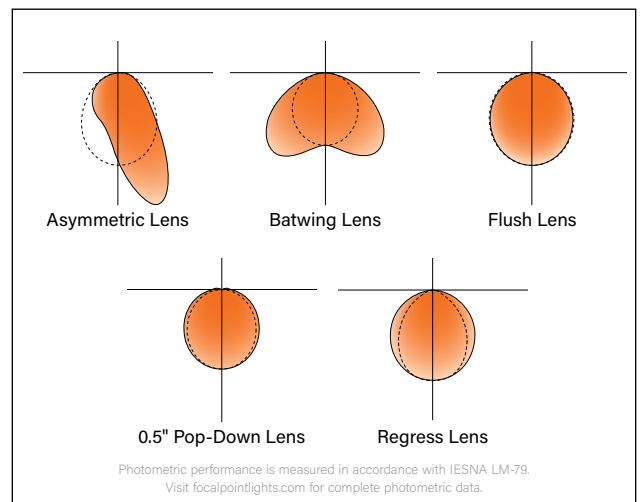
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

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

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

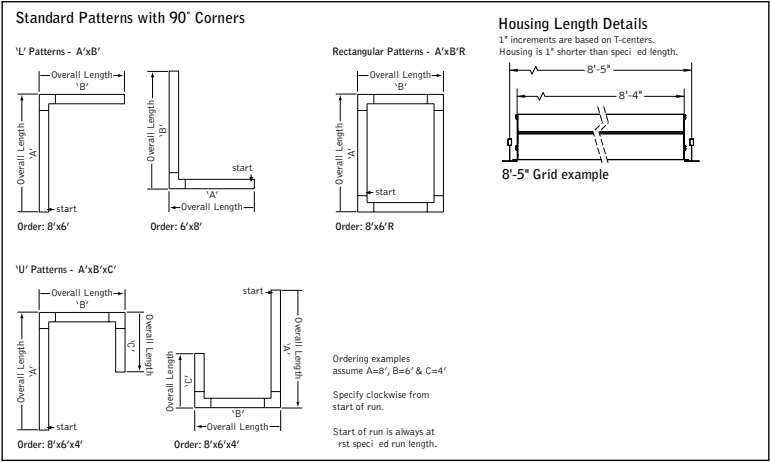
DISTRIBUTIONS



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, 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: 12.18 lbs., 8' unit: 21.34 lbs. Regress lens weights: 4' unit: 10.1 lbs., 8' unit: 20.2 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, LMFS1, 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.

ORDERING

Luminaire Series

Seem 2 LED Grid

Shielding

Asymmetric Lens

Batwing Lens

Flush Lens

0.5" Pop-Down Lens

1.5" Pop-Down Lens

(Individual units only)

Regress Lens

(Housing height 5.5" Ceiling applications only)

Regress High Performance Lens

(Housing height 5.5" Ceiling applications only)

Lumen Output

125 Lumens per foot

(LD1 & L11 only. 4' minimum. Not available on patterns.)

250 Lumens per foot

(3' minimum with LH1. Not available on patterns with LH1.)

375 Lumens per foot

500 Lumens per foot

625 Lumens per foot

750 Lumens per foot*

875 Lumens per foot*

1000 Lumens per foot*

*Not available with SR, SRXP shielding

Color Temperature

2700K, 80+ CRI or 90+ CRI

3000K, 80+ CRI or 90+ CRI

3500K, 80+ CRI or 90+ CRI

4000K, 80+ CRI or 90+ CRI

3500K, Preferred Light

(AS, BW & FL shielding only. 6" increments. Not available with Emergency Battery or patterns.)

Circuits & Zones

1 Circuit, non-emergency

Consult Ordering Guide on page 5 for multiple circuiting and zoning options

Voltage

120/277 UNV Volt

347 Volt

(LD1 & L11 driver only.)

Low Voltage

Control System & Dimming Level

0-10V - 10% Dimming

0-10V - 1% Dimming

Low Voltage, PoE compatible

(No driver. Not available with EM or EC. LV Voltage only.)

Lutron Hi-Lume EcoSystem (LDE1) -

1% Dimming

DALI 1% Dimming

Wattstopper DLM - 1% Dimming**

(Not available with CP)

Wattstopper Fixture Sensor**

Low Density - 1% Dimming

See sensor layout guide

Wattstopper Fixture Sensor**

High Density - 1% Dimming

See sensor layout guide

Acuity nLight - 1% Dimming**

(Not available with CP)

Enlighted Smart Sensor - 1% Dimming**

See sensor layout guide

Encelium CLM Connected Lighting Module - **

1% Dimming

Current NX Enabled - 1% Dimming**

(Not available with CP)

WaveLinux Pro - 1% Dimming**

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 Tegular (T1)

Std. 9/16" Lay-in (G2) or Tegular (T2)

9/16" Slot-tee Tegular

Tall 15/16" Lay-in (G4) or Tegular (T4)

Tall 15/16" Tegular for specialty ceilings

(0.5" drop)

Tall 9/16" Lay-in (G5) or Tegular (T5)

Note 9/16" Tegular

Factory Options

(See Ordering Guide for ordering details for DC, EC, EM, & ECD.)

Chicago Plenum

Emergency Circuit

Emergency Battery Pack†

Emergency Control Device†

† (4' minimum, 6' minimum with patterns. 120/277 Volt only. Not available at corners.)

6' New York City Flex Whip (120V)

6' New York City Flex Whip (277V)

6' Flex Whip

Finish

Matte White Housing

Luminaire Length

Specify luminaire/row length in 1" increments

(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

'U' pattern

Rectangular pattern

(Consult factory for other pattern options)

FSM2L

FSM2L

AS

BW

FL

PD05

PD15

SR

SRXP

125LF

250LF

375LF

500LF

625LF

750LF

875LF

1000LF

27K or 927K

30K or 930K

35K or 935K

40K or 940K

P35K

1C

_C_Z_DL

UNV

347

LV

LD1

L11

LVN

LH1

D11

DLM1

LMFS1

LMFSD

NLT1

ENL1

CLM1

NXE1

WLXP

G1 or T1

G2 or T2

G3

G4 or T4

T4V

G5 or T5

T6

CP

_DC

_EC

_EM

_ECD

FN1

FN2

FW

WH

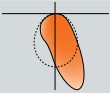

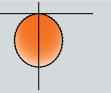
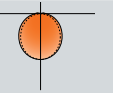
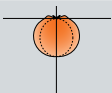
ft in

_ft_in



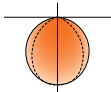
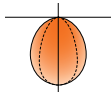
Options in orange qualify for the Quickship program. 1000' total. 48" maximum per pattern section. Refer to Quickship Guide for complete details including EM/EC options.

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


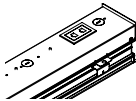

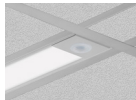

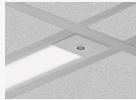

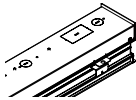



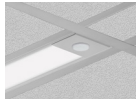

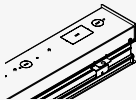

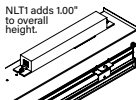

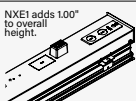

Based on 3500K, 4' length. Lumen multipliers: Preferred Light = 0.65, 90 CRI = 0.87.
Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

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.*

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
		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 

*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.

Ordering Guide

Direct Only Linear Circuitry, Zones & Factory Options



HOW TO USE THIS GUIDE

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.

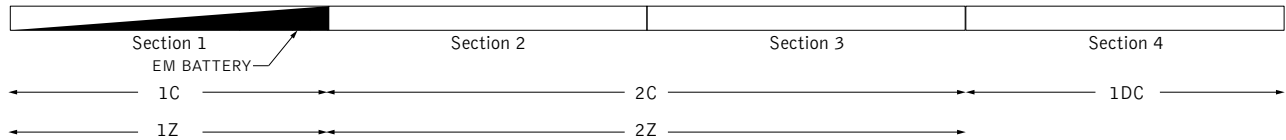
Refer to the run chart for standard run configurations, consult factory for custom configurations.

Complete the Totals / Ordering Codes at the bottom of the worksheet and add to your ordering logic on the cut sheet.

Submit the worksheet along with your order.

EXAMPLE	TOTAL RUN LENGTH: 32ft		JOB NAME:			FIXTURE TYPE:			
	HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
						SEPARATE ELECTRICAL FEEDS			EM
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
	1	8	1C	1Z					1EM
	2	8	2C	2Z					
	3	8	2C	2Z					
	4	8				1DC			
	Totals / Ordering Codes		2C	2Z		1DC			1EM

ORDERING: FSM4L-FL-625LF-35K- 2C2Z -UNV-LD1-G2- 1DC-1EM -WH-32ft



KEY

C = Switching Circuit
Switched Hot / Shared Neutral

Z = Dimming Zone
Dimming Control Wires

DL = Daylight Zone
Daylight Dimming Control Wires

DC = Daylight Circuit
Switched Hot / Separate Neutral

EC = Emergency Circuit
Switched Hot / Separate Neutral

EM = Emergency Battery
Unswitched Hot / Shared Neutral

ECD = Emergency Control Device
Unswitched Hot / Separate Neutral

DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- One shared or isolated circuit and zone required per housing section.
- Limit of one EM or ECD per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Each DC, EC and ECD require an additional electrical feed.
- ECD not available in the same housing section as EC.
- Longer lead times and additional pricing may apply for custom run configurations.

CUSTOM LENGTHS

- If partial illumination of emergency or daylight section is required, indicate in ordering guide and add "partial illumination" in Order Notes. Drawing required.
- Engineering validation required, longer lead times may apply.

Ordering Guide Worksheet

Linear Circuitry, Zones & Factory Options



TOTAL RUN LENGTH: _____		JOB NAME: _____			FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			EM
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Totals / Ordering Codes								

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

RUN CHART

Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths
9	5 + 4	21	8 + 8 + 5	33	8 + 8 + 8 + 5 + 4	45	8 + 8 + 8 + 8 + 8 + 5
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8 + 6 + 4	46	8 + 8 + 8 + 8 + 8 + 6
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8 + 7 + 4	47	8 + 8 + 8 + 8 + 8 + 7
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8 + 8 + 4	48	8 + 8 + 8 + 8 + 8 + 8
13	8 + 5	25	8 + 8 + 5 + 4	37	8 + 8 + 8 + 8 + 5		
14	8 + 6	26	8 + 8 + 6 + 4	38	8 + 8 + 8 + 8 + 6		
15	8 + 7	27	8 + 8 + 7 + 4	39	8 + 8 + 8 + 8 + 7		
16	8 + 8	28	8 + 8 + 8 + 4	40	8 + 8 + 8 + 8 + 8		
17	8 + 5 + 4	29	8 + 8 + 8 + 5	41	8 + 8 + 8 + 8 + 5 + 4		
18	8 + 6 + 4	30	8 + 8 + 8 + 6	42	8 + 8 + 8 + 8 + 6 + 4		
19	8 + 7 + 4	31	8 + 8 + 8 + 7	43	8 + 8 + 8 + 8 + 7 + 4		
20	8 + 8 + 4	32	8 + 8 + 8 + 8	44	8 + 8 + 8 + 8 + 8 + 4		

Standard run configurations, consult factory for custom configurations.