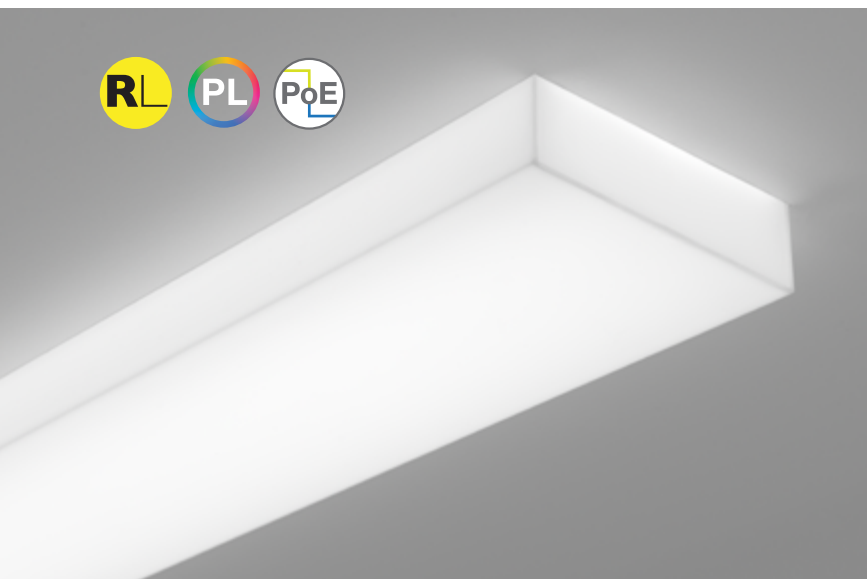


Seem® 6

LED POP-DOWN LENS



trimless mud-in



grid

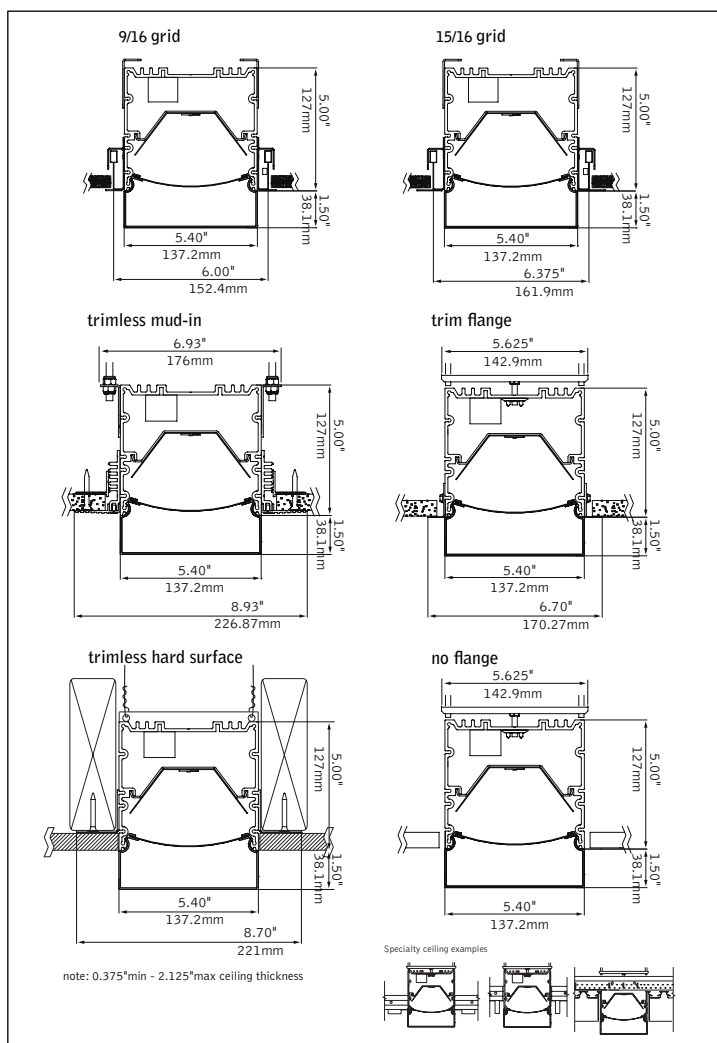


flush lens
companion



regress lens
companion

DIMENSIONAL DATA



FEATURES

6" aperture recessed LED slot with 1.5" pop-down lens.

Integrates with ceiling in a variety of mounting styles for a clean aesthetic.

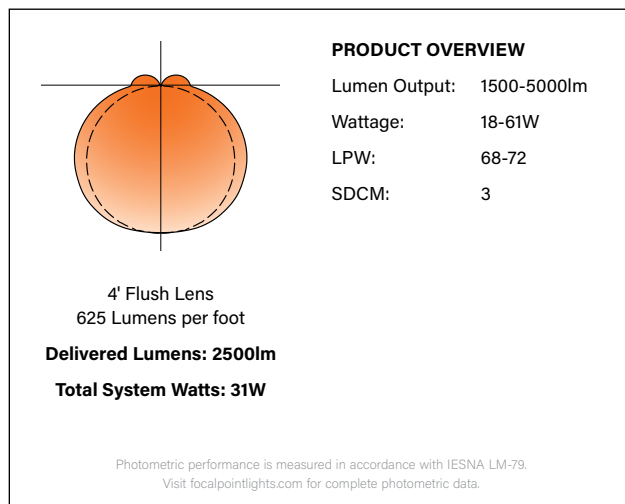
Compatible with common pre-engineered grid ceiling systems requiring luminaires fitting into a 6" slot.

Dimensional frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

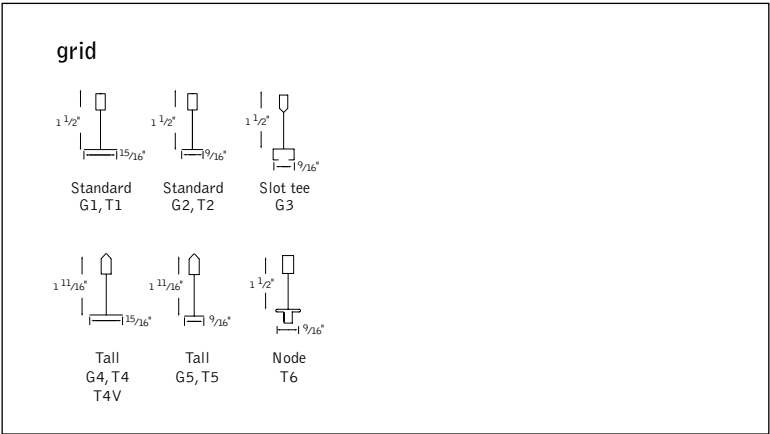
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

PERFORMANCE



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. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. XFW acceptable for use with wood, consult factory for Type IC availability. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" 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. Dimming range 100% to 10%. Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency Battery

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 18ft. Emergency Circuit maximum mounting height: 21ft.

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 > 61,000 hours	Calculated: L70 at > 350,000 hours
	L90 > 61,000 hours	L90 at > 90,000 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
1.5" Pop-Down lens	375LF	1500	18	72
	625LF	2500	31	72
	875LF	3500	44	70
	1000LF	4000	51	69
	1125LF	4500	54	69
	1250LF	5000	61	68

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%.

ORDERING		FSM6L
Luminaire Series	Seem 6 LED	FSM6L
Shielding		PD15
1.5" Pop-Down Lens		PD15
Lumen Output		
375 Lumens per foot (Not available with LH1.)		375LF
625 Lumens per foot (4' minimum with LH1.)		625LF
875 Lumens per foot (3' minimum with LH1.)		875LF
1000 Lumens per foot		1000LF
1125 Lumens per foot		1125LF
1250 Lumens per foot		1250LF
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 (6" increments only)		P35K
Circuits & Zones		
1 Circuit, non-emergency		1C
Consult Ordering Guide on page 3 for multiple circuiting and zoning options		_C_Z_DL
Voltage		
120/277 UNV Volt		UNV
Low voltage		LV
Control System & Dimming Level		
0-10V - 10% Dimming		LD1
0-10V - 1% Dimming		L11
Low-voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)		LVN
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming DALI 1% Dimming		LH1 D11
Ceiling Configurations		
Std. 15/16" Lay-in or Std. 15/16" Tegular		G1 or T1
Std. 9/16" Lay-in or Std. 9/16" Tegular		G2 or T2
9/16" Slot-tee Tegular		G3
Tall 15/16" Lay-in or Tall 15/16" Tegular		G4 or T4
Tall 15/16" Tegular for specialty ceilings (0.5" drop)		T4V
Tall 9/16" Lay-in or Tall 9/16" Tegular		G5 or T5
Node 9/16" Tegular		T6
No Flange for specialty ceilings (Ex. slat, panel, cloud systems)		NF
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 (See Ordering Guide on page 3 for ordering details for DC, EC, EM & ECD.)		
Chicago Plenum (Not available with Flex Whip)		CP
Daylight Circuit		_DC
Emergency Circuit		_EC
Emergency Battery Pack ¹		_EM
Emergency Control Device ¹		_ECD
¹ (4' minimum. 120/277 Volt only.)		
6' New York City Flex Whip (120V)		FN1
6' New York City Flex Whip (277V)		FN2
6' Flex Whip		FW
Finish		
Matte White Housing		WH
Luminaire Length (Lengths are nominal)		
2'		2'
3'		3'
4'		4'
5'		5'
6'		6'
7'		7'
8'		8'
(Smaller increments available. Consult factory for details.)		

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.

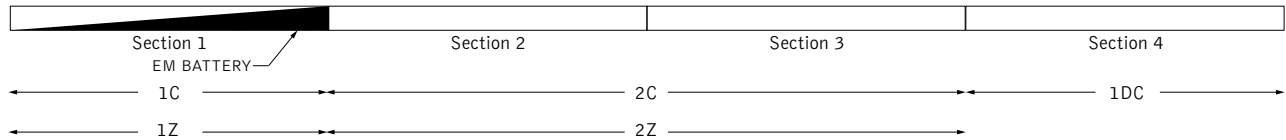
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.