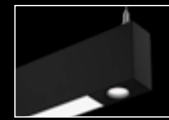


Seem® 1 Point Source

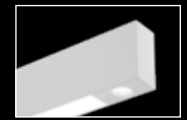
LED DIRECT



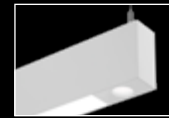
Intermediate point source detail



Black finish



Surface Mount option

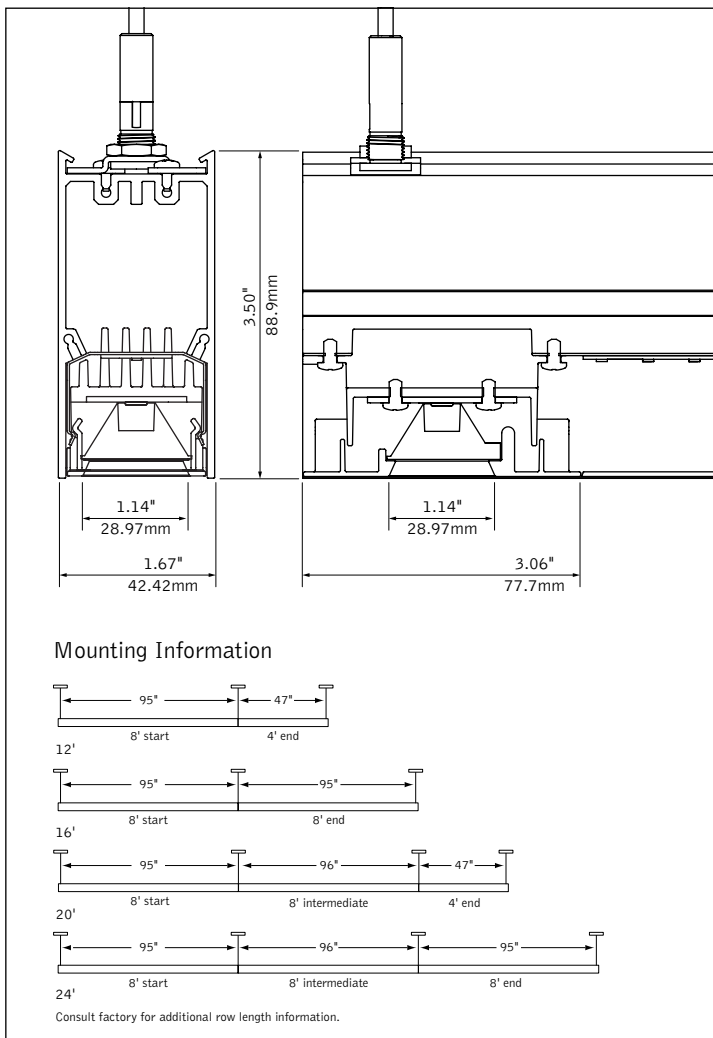


Direct/Indirect companion



Recessed companion

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum nominal 1.5" linear direct illumination with integrated point source downlights.

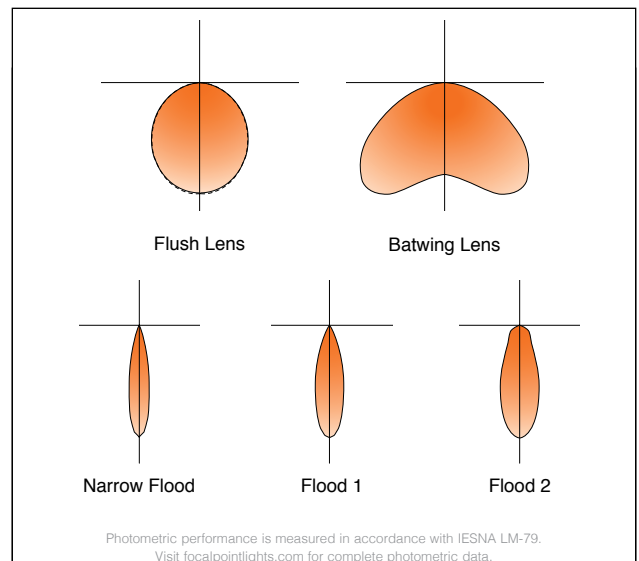
Individual units and continuous runs in 1' increments.

Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.

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

Choice of output levels and light distributions to meet a wide variety of application needs.

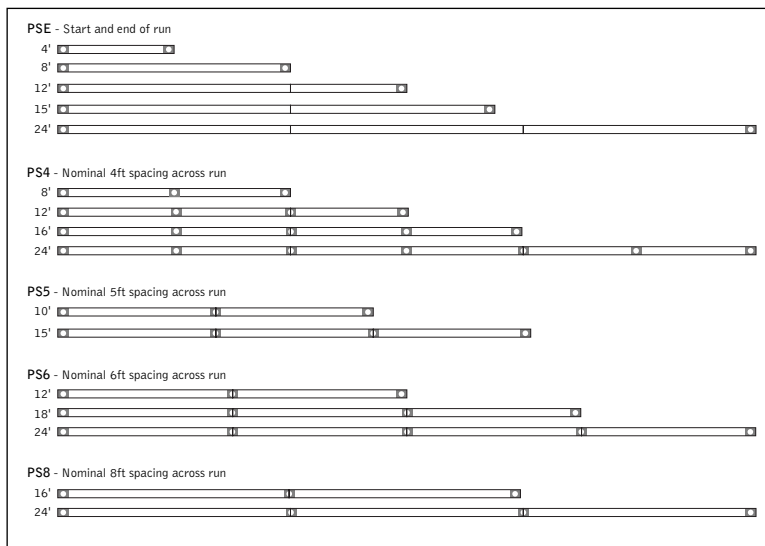
DISTRIBUTIONS



fixture:

project:

POINT SOURCE SPACING



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 both 80 and 90 CRI options. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

Construction

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 15lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with frosted 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

Emergency output - 10 watts for 90 minutes. 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

Linear Source

Reported: L70 at >61,000 hours Calculated: L70 at 470,000 hours
L90 at >61,000 hours L90 at 115,000 hours

Point Source

Reported: L70 at >55,000 hours Calculated: L70 at 226,000 hours
L90 at 54,000 hours L90 at 54,000 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.

PERFORMANCE CHARTS

See page 3.

ORDERING




Luminaire Series	FSM1DS	FSM1DS
Seem 1 LED Point Source	FSM1DS	
Shielding		
Flush Lens	FL	
Batwing Lens	BW	
Point Source Spacing		
Start and End of Run	PSE	
Nominal 4ft Spacing	PS4	
Nominal 5ft Spacing	PS5	
Nominal 6ft Spacing	PS6	
Nominal 7ft Spacing	PS7	
Nominal 8ft Spacing	PS8	
Mixed Spacing	PSM	
<small>(See point source spacing guide for more options.)</small>		
Point Source Lumens		
350 Lumens	350L	
<small>(Consult factory for Lutron)</small>		
450 Lumens	450L	
Point Source Distribution		
Narrow Flood	NFL	
Flood 1	FL1	
Flood 2	FL2	
Linear Lumen Output		
125 Lumens per foot	125LF	
<small>(5' minimum length. See spacing guide for PS4 limitations. Consult factory for Lutron.)</small>		
250 Lumens per foot	250LF	
375 Lumens per foot	375LF	
500 Lumens per foot	500LF	
625 Lumens per foot	625LF	
Color Temperature		
2700K, 80CRI or 90 CRI	27K or 927K	
3000K, 80CRI or 90 CRI	30K or 930K	
3500K, 80CRI or 90 CRI	35K or 935K	
4000K, 80CRI or 90 CRI	40K or 940K	
Circuit		
Single Circuit	1C	
Dual Circuit	2C	
Voltage		
120/277 UNV Volt	UNV	
347 Volt	347	
<small>(LD1 driver only)</small>		
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1)	LH1	
- 1% Dimming		
Lutron 5-Series EcoSystem (LDE5)	LU5	
- 5% Dimming		
Mounting		
24" Cable Suspension	C24_	
48" Cable Suspension	C48_	
96" Cable Suspension	C96_	
<small>(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH.)</small>		
<small>(Specify one of the following in place of "C"</small>		
<small>J - for 2" canopies at non-feed locations.</small>		
<small>CS - for sloped ceiling applications.)</small>		
Surface Mount	SM	
Factory Options		
Black Cord	BKCD	
Emergency Circuit <small>(direct linear only)</small>	_EC	
Emergency Battery Pack	_EM	
<small>(5' minimum length. See EM/EC Guide for default locations and ordering details.)</small>		
Finish		
Black	BK	
Titanium Silver	TS	
Matte White Housing	WH	
Luminaire Length		
Specify luminaire/row length		
in 1' increments	_ft	
<small>(4' minimum. Smaller increments available, consult factory.)</small>		

PERFORMANCE CHART (4' LINEAR AREA)

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens / Batwing Lens	125LF	500	6	75
	250LF	1000	10	98
	375LF	1500	15	104
	500LF	2000	19	106
	625LF	2500	24	103

Based on 3500K, 4' lengths. Lumen Multipliers: Preferred Light = 0.65, 90 CRI = 0.87 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

PERFORMANCE CHART (INDIVIDUAL POINT SOURCE)

Distribution	Beamspread	Point Source Lumens	Delivered Lumens	Tested System Watts	LPW
 Narrow Flood (NFL)	21°	350L	357	5	72
		450L	454	7	66
 Flood 1 (FL1)	29°	350L	318	5	64
		450L	404	7	59
 Flood 2 (FL2)	40°	350L	233	5	47
		450L	296	7	43

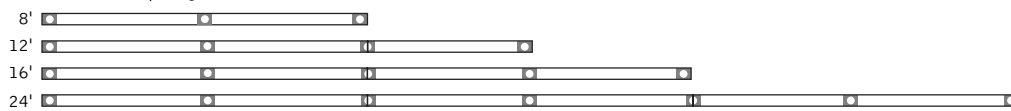
Based on 3500K. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

Seem® 1 Point Source

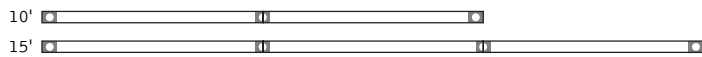
POINT SOURCE SPACING GUIDE

ON-CENTER SPACING EXAMPLES

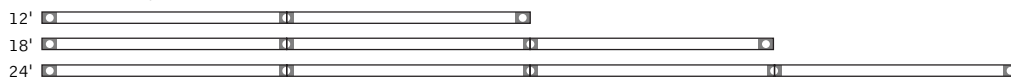
PS4 - Nominal 4ft spacing across run



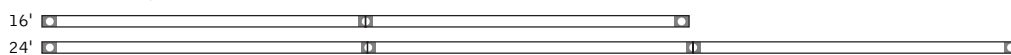
PS5 - Nominal 5ft spacing across run



PS6 - Nominal 6ft spacing across run

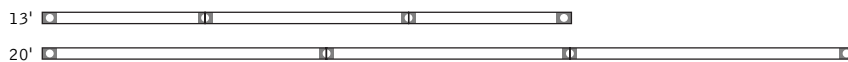


PS8 - Nominal 8ft spacing across run



MIXED SPACING EXAMPLES

PSM - Mixed spacing across run. Point sources located at start and end of run as well as housing joints.



Luminaire Run Length (ft)	Run Configuration	Point Source Spacing Code	Total # Point Sources	Luminaire Run Length (ft)	Run Configuration	Point Source Spacing Code	Total # Point Sources
8	8'	PS4	3	30	5' + 5' + 5' + 5' + 5' + 5'	PS5	7
9	-	-	-	30	6' + 6' + 6' + 6' + 6'	PS6	6
10	5' + 5'	PS5	3	31	6' + 6' + 7' + 6' + 6'	PSM	6
11	-	-	-	32	8' + 8' + 8' + 8'	PS4	9
12	8' + 4'	PS4*	4	32	8' + 8' + 8' + 8'	PS8	5
12	6' + 6'	PS6	3	33	6' + 7' + 7' + 7' + 6'	PSM	6
13	4' + 5' + 4'	PSM*	4	34	7' + 7' + 6' + 7' + 7'	PSM	6
14	7' + 7'	PS7	3	35	5' + 5' + 5' + 5' + 5' + 5' + 5'	PS5	8
15	5' + 5' + 5'	PS5	4	35	7' + 7' + 7' + 7' + 7'	PS7	6
16	8' + 8'	PS4	5	36	8' + 8' + 8' + 8' + 4'	PS4*	10
16	8' + 8'	PS8	3	36	6' + 6' + 6' + 6' + 6' + 6'	PS6	7
17	6' + 5' + 6'	PSM	4	37	8' + 7' + 7' + 7' + 8'	PSM	6
18	6' + 6' + 6'	PS6	4	38	8' + 8' + 6' + 8' + 8'	PSM	6
19	6' + 7' + 6'	PSM	4	39	8' + 8' + 7' + 8' + 8'	PSM	6
20	8' + 8' + 4'	PS4*	6	40	8' + 8' + 8' + 8' + 8'	PS4	11
20	5' + 5' + 5' + 5'	PS5	5	40	8' + 8' + 8' + 8' + 8'	PS8	6
20	7' + 6' + 7'	PSM	4	40	5' + 5' + 5' + 5' + 5' + 5' + 5' + 5'	PS5	9
21	7' + 7' + 7'	PS7	4	41	6' + 6' + 6' + 5' + 6' + 6' + 6'	PSM	8
22	7' + 8' + 7'	PSM	4	42	6' + 6' + 6' + 6' + 6' + 6' + 6'	PS6	8
23	8' + 7' + 8'	PSM	4	42	7' + 7' + 7' + 7' + 7' + 7'	PS7	7
24	8' + 8' + 8'	PS4	7	43	6' + 6' + 6' + 7' + 6' + 6' + 6'	PSM	8
24	8' + 8' + 8'	PS8	4	44	8' + 8' + 8' + 8' + 8' + 4'	PS4*	12
24	6' + 6' + 6' + 6'	PS6	5	45	5' + 5' + 5' + 5' + 5' + 5' + 5' + 5' + 5'	PS5	10
25	5' + 5' + 5' + 5' + 5'	PS5	6	46	7' + 8' + 8' + 8' + 8' + 7'	PSM	7
26	7' + 6' + 6' + 7'	PSM	5	47	6' + 5' + 5' + 5' + 5' + 5' + 5' + 5' + 6'	PSM	10
27	6' + 5' + 5' + 5' + 6'	PSM	6	48	8' + 8' + 8' + 8' + 8' + 8'	PS4	13
28	8' + 8' + 8' + 4'	PS4*	8	48	8' + 8' + 8' + 8' + 8' + 8'	PS8	7
28	7' + 7' + 7' + 7'	PS7	5	48	6' + 6' + 6' + 6' + 6' + 6' + 6' + 6'	PS6	9
29	6' + 6' + 5' + 6' + 6'	PSM	6	>48	Consult Factory	-	-

*Not available with 125LF.