

1.5" pop-down lens



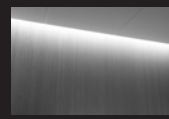
recessed pop-down
lens companion



recessed flush lens
companion



wall mount
companion

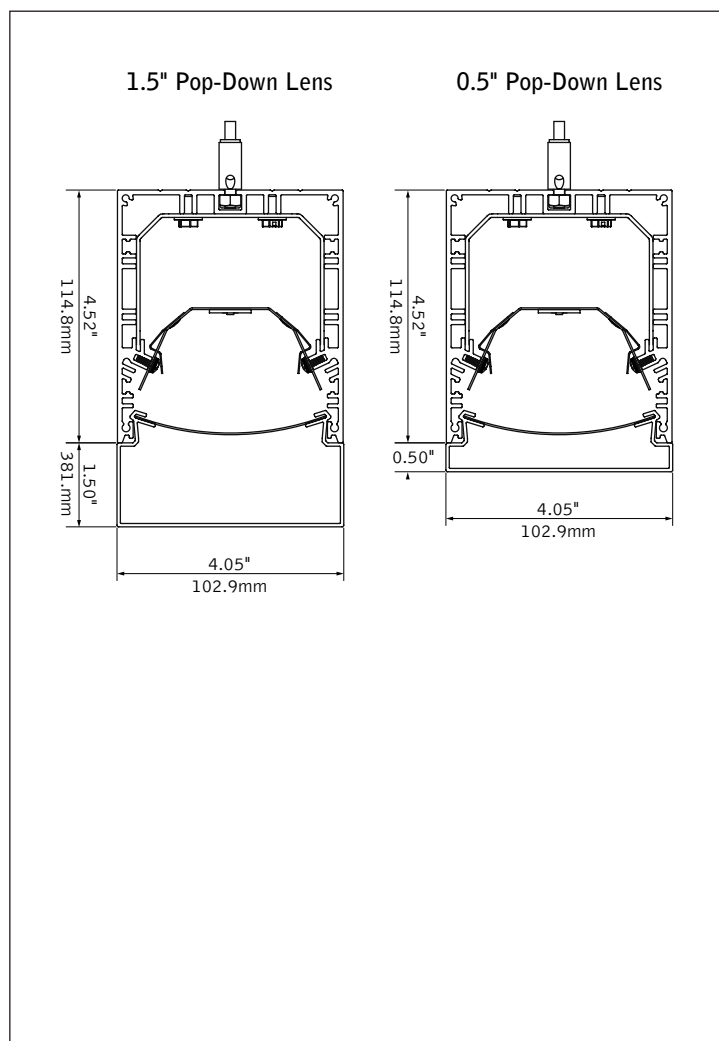


perimeter
companion



wall to ceiling
companion

DIMENSIONAL DATA



FEATURES

4" linear direct LED with 0.5" or 1.5" Pop-Down lens.

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

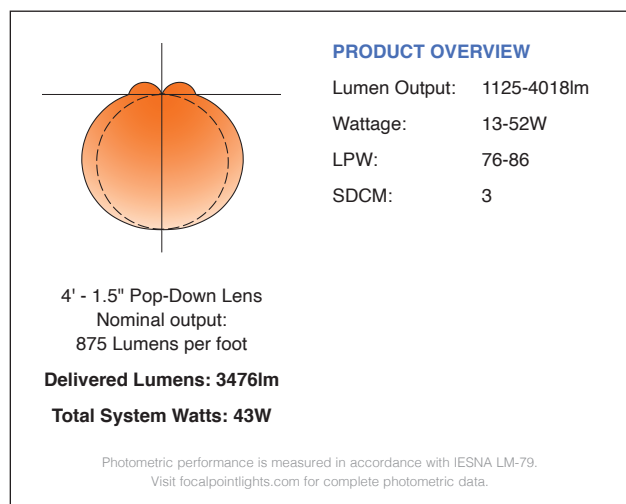
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

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

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

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

PERFORMANCE



fixture:

project:

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, 3SDCM. 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

9-12' luminaires ship on 13' (157") pallets, forklift extensions of 72" are required to avoid damage. One piece extruded aluminum housing. Die cast aluminum end caps. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 lbs., 12' unit weight: 48 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .06" thick with frosted finish, up to 12' 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. PoE runs require an independent PoE node and power feed for each luminaire section.

Emergency Battery

Emergency output - 10 watts for 90 minutes. See EM/EC Guide for default locations and ordering details. Maximum mounting height: Pop-Down Lens - 15.54ft

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. Canopy and cord white as standard.

Lumen Maintenance

Reported: L70 > 61,000 hours Calculated: L70 at > 480,000 hours
 L90 > 61,000 hours L90 at > 128,000 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
0.5" Pop-Down Lens	275LF	1125	14	80
	375LF	1521	19	82
	625LF	2524	32	79
	875LF	3513	46	76
	1000LF	4000	52	77
1.5" Pop-Down Lens	275LF	1129	13	85
	375LF	1525	18	86
	625LF	2546	30	84
	875LF	3476	43	81
	1000LF	4018	51	79

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

Luminaire Series	FSM4LS	FSM4LS
Seem 4 LED	FSM4LS	
Shielding		
0.5" Pop-Down Lens	PD05	
1.5" Pop-Down Lens	PD15	
(2' - 12' individual units only)		
Lumen Output		
275 Lumens per foot	275LF	
(Not available with Lutron Drivers.)		
375 Lumens per foot	375LF	
(Not available with LU5 & LH1 Drivers)		
625 Lumens per foot	625LF	
(3' minimum with LU5 & LH1 Drivers)		
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
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	P35K	
Circuit		1C
Single Circuit	1C	
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	LVN	
(No driver. Not available with EM or EC. LV Voltage only.)		
Lutron Hi-Lume EcoSystem (LDE1) -		
1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) -	LU5	
5% Dimming		
DALI 1% Dimming	D11	
Mounting		
24" Cable Suspension	C24__	
48" Cable Suspension	C48__	
96" Cable Suspension	C96__	
(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH.) (Specify one of the following in place of "C" J - for 2" canopies at non-feed locations. CS - for sloped ceiling applications.)		
Surface Mount	SM	
Factory Options		
Black Cord	BKCD	
Emergency Circuit	_EC	
(4' minimum)		
Emergency Battery Pack	_EM	
(4' minimum. See EM/EC Guide for default locations and ordering details.)		
Finish		
Black	BK	
Titanium Silver	TS	
Matte White Housing	WH	
Luminaire/Row Length		
Specify in 1' increments	X'	
(1.5" Pop-Down lens available in 2' - 12' individual units only. Lengths are nominal, up to 12' individuals available. See Run Chart (page 3) for ordering codes. Smaller increments available, consult factory for details. Leave blank for patterns.)		



10 DAY*

Options in orange qualify for the Quickship program. Run lengths in 1' increments, 1000' total. Refer to Quickship Guide for complete details including EM/EC options.

RUN CHART

Run Length (ft)	Housing Configuration Section Lengths	Ordering Code
9	5 + 4	9
	9	9(IND)
10	6 + 4	10
	5 + 5	10(5+5)
	10	10(IND)
11	7 + 4	11
	11	11(IND)
12	8 + 4	12
	6 + 6	12(6+6)
	12	12(IND)
13	8 + 5	13
14	8 + 6	14
15	8 + 7	15
16	8 + 8	16
17	8 + 5 + 4	17
18	8 + 6 + 4	18
19	8 + 7 + 4	19
20	8 + 8 + 4	20
21	8 + 8 + 5	21
22	8 + 8 + 6	22
23	8 + 8 + 7	23
24	8 + 8 + 8	24
25	8 + 8 + 5 + 4	25

Standard and Alternate run configurations, consult factory for custom configurations.

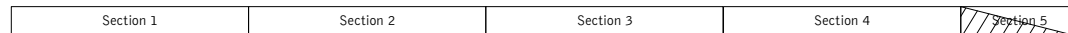
Run Length (ft)	Housing Configuration Section Lengths	Ordering Code
26	8 + 8 + 6 + 4	26
27	8 + 8 + 7 + 4	27
28	8 + 8 + 8 + 4	28
29	8 + 8 + 8 + 5	29
30	8 + 8 + 8 + 6	30
31	8 + 8 + 8 + 7	31
32	8 + 8 + 8 + 8	32
33	8 + 8 + 8 + 5 + 4	33
34	8 + 8 + 8 + 6 + 4	34
35	8 + 8 + 8 + 7 + 4	35
36	8 + 8 + 8 + 8 + 4	36
37	8 + 8 + 8 + 8 + 5	37
38	8 + 8 + 8 + 8 + 6	38
39	8 + 8 + 8 + 8 + 7	39
40	8 + 8 + 8 + 8 + 8	40
41	8 + 8 + 8 + 8 + 5 + 4	41
42	8 + 8 + 8 + 8 + 6 + 4	42
43	8 + 8 + 8 + 8 + 7 + 4	43
44	8 + 8 + 8 + 8 + 8 + 4	44
45	8 + 8 + 8 + 8 + 8 + 5	45
46	8 + 8 + 8 + 8 + 8 + 6	46
47	8 + 8 + 8 + 8 + 8 + 7	47
48	8 + 8 + 8 + 8 + 8 + 8	48

EM/EC GUIDE

DEFAULT LOCATIONS

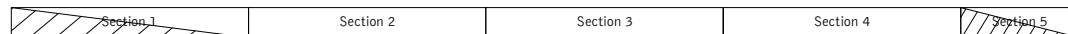
- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.
- EM/EC illuminate entire sections from 4' to 12' in length.
- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

1 EM/EC – END OF RUN



Ordering example: FSM4x... **1EM-WH-36ft**

2 EM/EC – START & END OF RUN

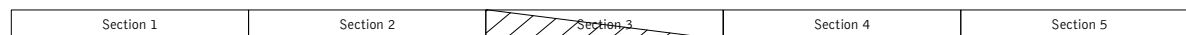


Ordering example: FSM4x... **2EM-WH-36ft**

ALTERNATE LOCATIONS AND QUANTITIES

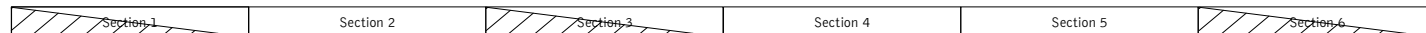
- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

ONE EM IN 3RD SECTION



Ordering example: FSM4x... **1EM-3-WH-40ft**

THREE EM IN 1ST, 3RD AND 6TH SECTIONS



Ordering example: FSM4x... **3EM-1-3-6-WH-48ft**

CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.
- Longer lead times may apply.