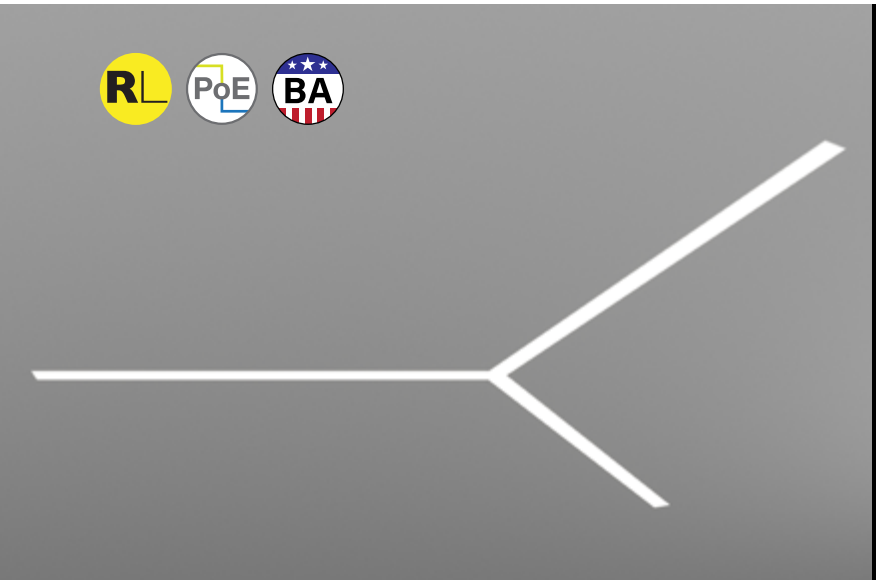
Seem® 1 Trio

LED RECESSED

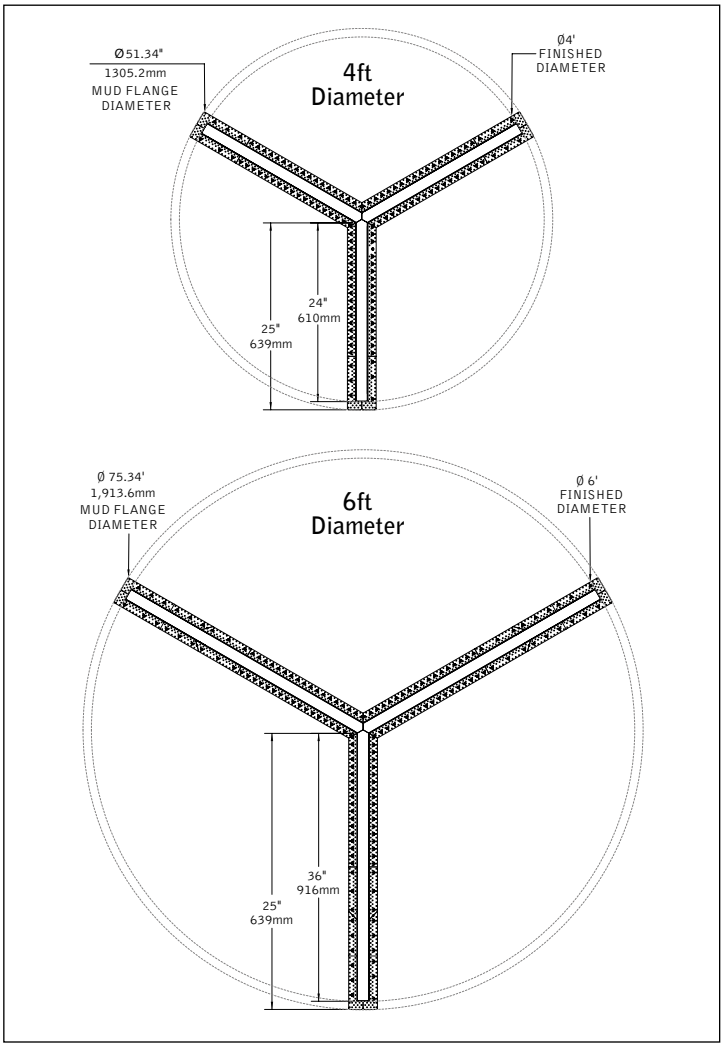
FOCAL POINT®



louver detail

point source ends detail

DIMENSIONAL DATA



FEATURES

Narrow 1.5" extruded aluminum 'Y' shaped recessed LED luminaire with multiple shielding options.

Individual 4' or 6' diameter units in lens, louver or integrated point source downlight configurations.

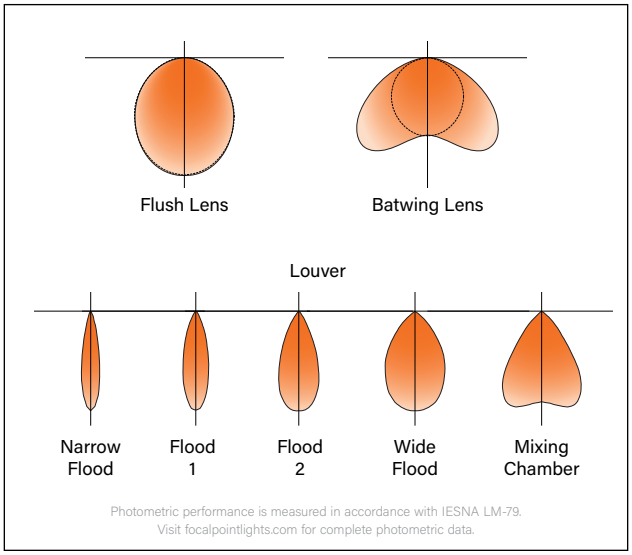
Deeply regressed louver cells provide 60° cut-off from light source to promote visual comfort.

Direct Lambertian or Batwing light distributions provide visual comfort with uniform illumination and brightness control.

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

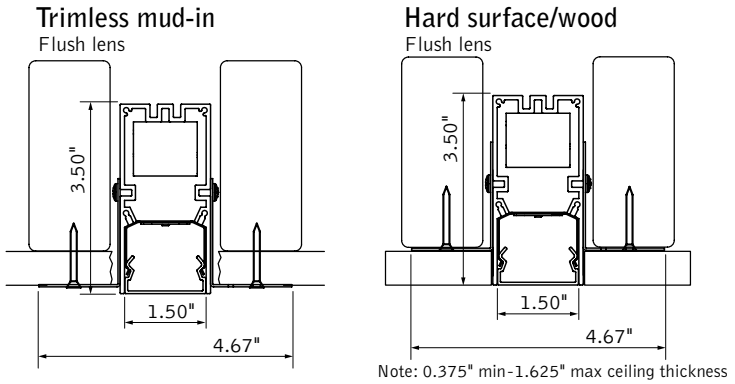
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

DISTRIBUTIONS



Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

STANDARD LENS DIMENSIONAL DATA



Note: 0.375" min-1.625" max ceiling thickness
Consult factory for thicker ceilings.

STANDARD LENS PERFORMANCE CHART

Size	Lumen Output	Tested System Watts	BW		FL	
			Delivered lumens	LPW	Delivered lumens	LPW
4'	750	9	810	87	767	92
	1500	15	1586	97	1503	102
	2250	23	2363	97	2240	103
	3000	30	3183	99	3017	105
	3750	37	3959	101	3753	106
6'	1125	12	1198	99	1135	93
	2250	23	2363	103	2240	97
	3375	34	3571	106	3385	100
	4500	44	4736	108	4489	103
	5625	55	5944	109	5634	103

Based on 3500K. Lumen multipliers: 90 CRI = 0.87. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

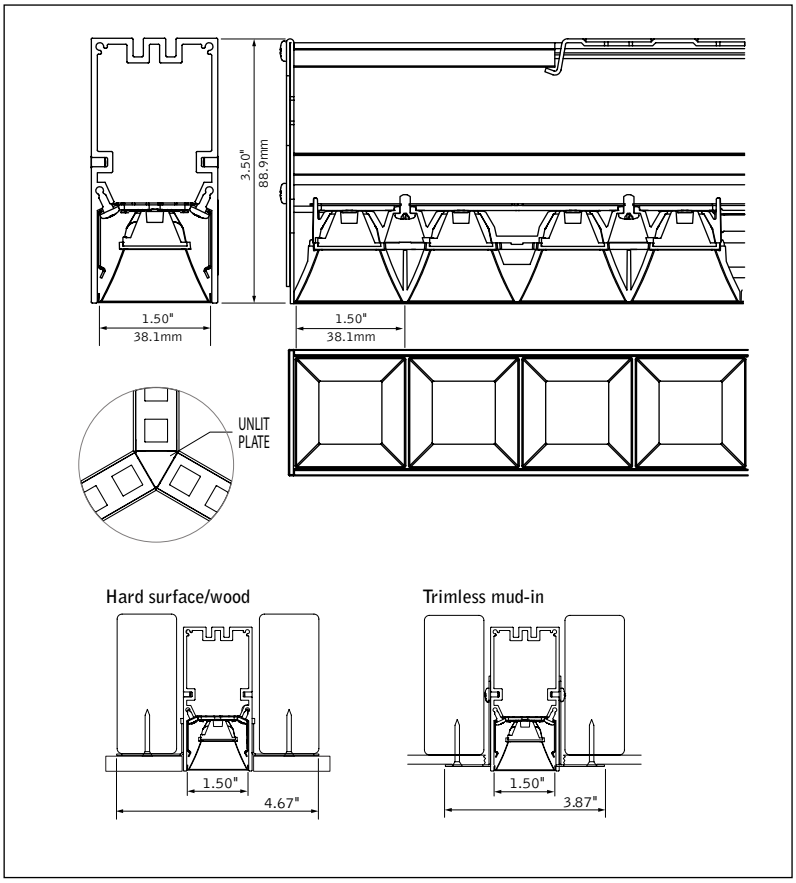
STANDARD LENS ORDERING

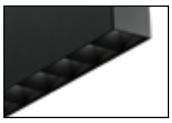
	Luminaire Series		**FSM1F**
	Seem 1	FSM1F	
	Profile		**T**
	Trio	T	
	Nominal Size		
	4' Diameter (2' arms)	4	
	6' Diameter (3' arms)	6	
	Shielding		
	Batwing Lens	BW	
	Flush Lens	FL	
	Lumen Output		
4' Diameter	750 Lumens	750L	
	1500 Lumens	1500L	
	2250 Lumens	2250L	
	3000 Lumens	3000L	
	3750 Lumens	3750L	
6' Diameter	1125 Lumens	1125L	
	2250 Lumens	2250L	
	3375 Lumens	3375L	
	4500 Lumens	4500L	
	5625 Lumens	5625L	
	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		**1C**
	1 Circuit, non-emergency	1C	
	Voltage		
	120/277 UNV Volt	UNV	
	347 Volt (LD1 driver only)	347	
	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	LH1	
	DALI 1% Dimming	D11	
	Ceiling Configuration		**XFF**
	Mud-in Trimless	XFF	
	Factory Options		
	Chicago Plenum	CP	
	Emergency Circuit	_EC	
	Emergency Battery Pack†	_EM	
	6' New York City Flex Whip (120V)	FNY1	
	6' New York City Flex Whip (277V)	FNY2	
	6' Flex Whip	FW	
	Finish		**WH**
	Matte White Housing	WH	

Focal Point LLC reserves the right to change specifications for product improvement without notification.

fixture: project:

LOUVER DIMENSIONAL DATA




Black Specular Louver

Matte Black Louver

Matte White Louver

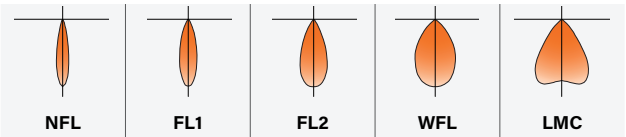
Clear Diffuse Louver

Clear Specular Louver

Center detail

Emergency detail

LOUVER DISTRIBUTIONS



	NFL	FL1	FL2	WFL	LMC
Beam Spread	20˚	29˚	43˚	67˚	68˚
Spacing Criteria	0.36	0.50	0.70	0.98	1.18

PERFORMANCE CHART

See page 6

LOUVER ORDERING

Luminaire Series			**FSM1F**
	Seem 1	FSM1F	
Profile			**T**
	Trio	T	
Nominal Size			
	4' Diameter (2' arms)	4	
	6' Diameter (3' arms)	6	
Shielding			**LC**
	Louver only	LC	
Lumen Output			
4' Diameter	1500 Lumens	1500L	
	2250 Lumens	2250L	
	3000 Lumens	3000L	
	3750 Lumens	3750L	
	4500 Lumens	4500L	
	5250 Lumens	5250L	
	6000 Lumens	6000L	
6' Diameter	2250 Lumens	2250L	
	3375 Lumens	3375L	
	4500 Lumens	4500L	
	5625 Lumens	5625L	
	6750 Lumens	6750L	
	7875 Lumens	7875L	
	9000 Lumens	9000L	
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	
Circuit			**1C**
	Single Circuit	1C	
Voltage			
	120/277 UNV Volt	UNV	
	347 Volt (LD1 driver only)	347	
	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	LH1	
	DALI 1% Dimming	D11	
Ceiling Configuration			**XFF**
	Mud-in Trimless	XFF	
Louver Distribution			
	Narrow Flood	NFL	
	Flood 1	FL1	
	Flood 2	FL2	
	Wide Flood	WFL	
	Louvered Mixing Chamber	LMC	
Factory Options			
	Chicago Plenum	CP	
	Emergency Circuit†	_EC	
	Emergency Battery Pack† (†Illuminates full housing. 120/277 Volt only.)	_EM	
	6' New York City Flex Whip (120V)	FNY1	
	6' New York City Flex Whip (277V)	FNY2	
	6' Flex Whip	FW	
Louver Finish			
	Matte Black	BK	
	Black Specular	BS	
	Clear Diffuse	CD	
	Clear Specular	CS	
	Matte White	WH	
Housing Finish			
	Matte Black	BK	
	Titanium Silver	TS	
	Matte White	WH	

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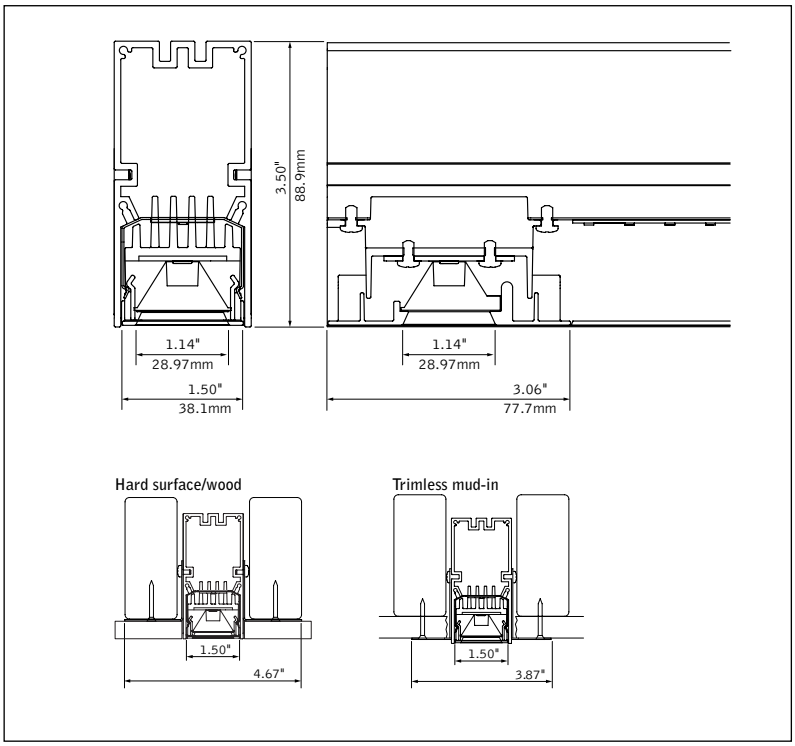
fixture: project:

POINT SOURCE DETAILS



PERFORMANCE CHART (LENSED AREA)

Size	Lumen Output	Tested System Watts	BW		FL	
			Delivered lumens	LPW	Delivered lumens	LPW
4'	660	8	680	89	645	84
	1320	14	1414	101	1340	96
	1980	20	2104	105	1994	100
	2640	27	2794	104	2648	99
	3300	33	3485	105	3303	100
6'	1035	11	1112	97	1054	92
	2070	21	2190	106	2076	100
	3105	31	3269	105	3098	100
	4140	41	4347	106	4121	101
	5175	50	5469	109	5184	103

Based on 3500K. Lumen multipliers: 90 CRI = 0.87. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

PERFORMANCE CHART (POINT SOURCE)

Distribution	Beamspread	Point Source Lumens	Delivered Lumens	Tested Watts	LPW
Narrow Flood (NFL)	21˚	250L	258	3.4	76.9
		350L	360	4.5	79.6
		450L	457	5.7	80.5
Flood 1 (FL1)	28˚	250L	254	3.4	75.6
		350L	354	4.5	78.3
		450L	450	5.7	79.2
Flood 2 (FL2)	42˚	250L	249	3.4	74.1
		350L	346	4.5	76.7
		450L	441	5.7	77.5
Wide Flood (WFL)	53˚	250L	242	3.4	72.1
		350L	337	4.5	74.6
		450L	429	5.7	75.5

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

Focal Point LLC reserves the right to change specifications for product improvement without notification.

POINT SOURCE ORDERING

Luminaire Series		**FSM1F**
Seem 1	FSM1F	
Profile		**T**
Trio	T	
Nominal Size		
4' Diameter (2' arms)	4	
6' Diameter (3' arms)	6	
Shielding		
Batwing Lens + Point Source Ends	BWPSE	
Flush Lens + Point Source Ends	FLPSE	
Point Source Lumens		
250 Lumens	250L	
350 Lumens	350L	
450 Lumens	450L	
Point Source Distribution		
Narrow Flood	NFL	
Flood 1	FL1	
Flood 2	FL2	
Wide Flood	WFL	
Lensed Lumen Output		
4' Diameter: 660 Lumens	660L	
4' Diameter: 1320 Lumens	1320L	
4' Diameter: 1980 Lumens	1980L	
4' Diameter: 2640 Lumens	2640L	
4' Diameter: 3300 Lumens	3300L	
6' Diameter: 1035 Lumens	1035L	
6' Diameter: 2070 Lumens	2070L	
6' Diameter: 3105 Lumens	3105L	
6' Diameter: 4140 Lumens	4140L	
6' Diameter: 5175 Lumens	5175L	
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	
Circuit		
Single Circuit	1C	
Dual Circuit (Independent control of Lens & Point Source distributions)	2C	
Voltage		
120/277 UNV Volt	UNV	
347 Volt (LD1 driver only)	347	
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	LH1	
DALI 1% Dimming	D11	
Ceiling Configuration		**XFF**
Mud-in Trimless	XFF	
Factory Options		
Chicago Plenum	CP	
Emergency Circuit†	_EC	
Emergency Battery Pack†	_EM	
† (Illuminates full housing. 120/277 Volt only.)		
6' New York City Flex Whip (120V)	FNY1	
6' New York City Flex Whip (277V)	FNY2	
6' Flex Whip	FW	
Housing Finish		
Matte Black	BK	
Titanium Silver	TS	
Matte White	WH	

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. 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. Color accuracy <3 SDCM.

Construction
Extruded aluminum housing. Cast aluminum end caps. Luminaire will not exceed 16lbs.

Optic
Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with frosted finish. 60-degree cut-off to louvered light source and its image.

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. 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. Maximum mounting height: 18.5ft.

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

Lensed Source

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

Louvered Sources

Reported:	L70 at >54,000 hours L90 at 43,000 hours	Calculated:	L70 at 138,000 hours L90 at 43,000 hours

Point Sources

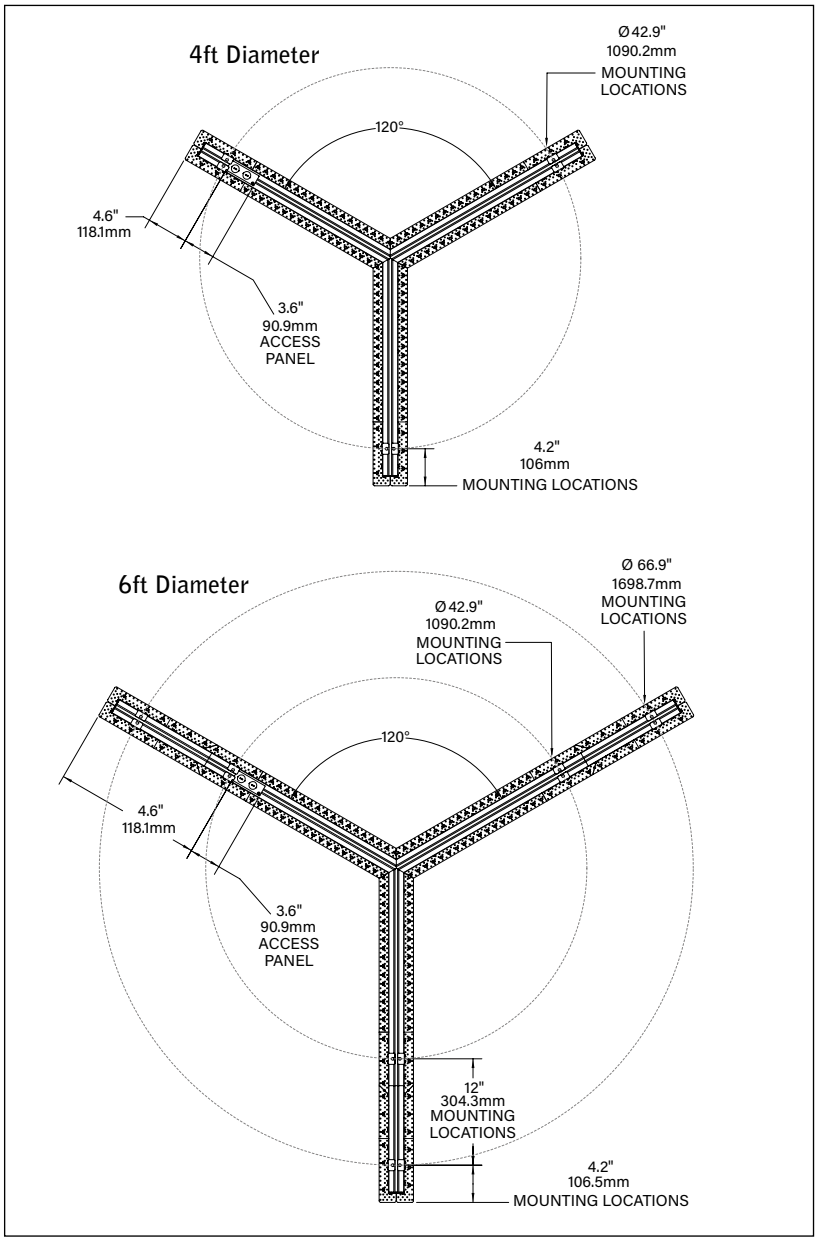
Reported:	L70 at >55,000 hours L90 at 54,000 hours	Calculated:	L70 at 226,000 hours L90 at 54,000 hours

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.

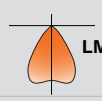
Warranty
LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

MOUNTING DETAILS



Declare label applies to lensed shielding ordering codes BW & FL only.

LOUVERED PERFORMANCE CHART

Size	Lumen Output	Tested System Watts	NFL		FL1		FL2		WFL		 LMC	
			Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
4'	1500	15.4	2028	132	1726	112	1830	119	1509	98	1460	95
	2250	21.0	2999	143	2552	122	2707	129	2233	106	2159	103
	3000	29.0	4134	142	3518	121	3732	129	3078	106	2977	103
	3750	35.5	5170	146	4400	124	4667	131	3849	108	3722	105
	4500	41.5	6110	147	5200	125	5515	133	4548	110	4399	106
	5250	47.4	7041	149	5992	127	6355	134	5241	111	5069	107
	6000	53.8	8046	150	6847	127	7263	135	5990	111	5793	108
6'	2250	22.8	3042	133	2588	113	2745	120	2264	99	2190	96
	3375	31.6	4499	142	3829	121	4061	128	3349	106	3239	102
	4500	42.5	6202	146	5278	124	5598	132	4617	109	4465	105
	5625	51.6	7755	150	6600	128	7000	136	5773	112	5584	108
	6750	60.4	9165	152	7799	129	8273	137	6823	113	6599	109
	7875	70.0	10561	151	8988	128	9533	136	7862	112	7604	109
	9000	82.8	12069	146	10271	124	10894	132	8985	108	8690	105

Based on 3500K, 80 CRI. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%

Louver Color Temperature & CRI

Color Temperature	Multiplier
2700K, 80+ CRI [27K]	0.95
2700K, 90+ CRI [927K]	0.80
3000K, 80+ CRI [30K]	0.97
3000K, 90+ CRI [930K]	0.83
3500K, 80+ CRI [35K]	1.00
3500K, 90+ CRI [935K]	0.85
4000K, 80+ CRI [40K]	1.03
4000K, 90+ CRI [940K]	0.87

Louver Finish

Color	Multiplier
Matte Black [BK]	1.00
Black Specular [BS]	1.00
Clear Diffuse [CD]	1.07
Clear Specular [CS]	1.10
Matte White [WH]	1.11

Louver Distribution

Distribution	Multiplier
Narrow Flood [NFL]	1.34
Flood 1 [FL1]	1.14
Flood 2 [FL2]	1.21
Wide Flood [WFL]	1.00
Louvered Mixing Chamber [LMC]	0.97

How To Use Lumen Multipliers

Formula: (Lumen Output Value) x (Color Temperature & CRI) x (Distribution) x (Finish)