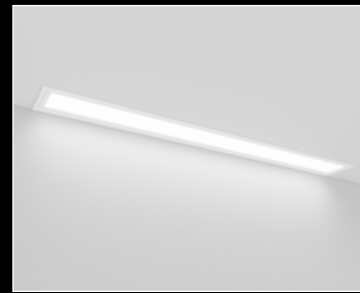


Seem® 4 Behavioral Health

LED PERIMETER



Mud-in Drywall
Continuous



Trim Flange



Trim Flange
detail



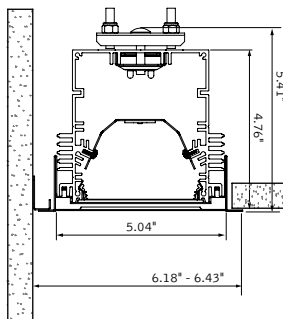
Continuous
detail



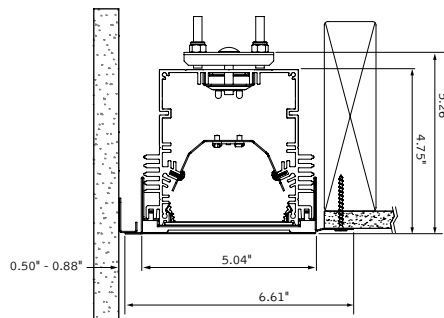
Recessed
companion

DIMENSIONAL DATA

Trim Flange



Trimless Mud-in



! Luminaire must be installed prior to drywall

FEATURES

Extruded aluminum 4" aperture perimeter LED luminaire designed for behavioral health applications.

Ligature, tamper, and vandal resistant construction: solid aluminum housing and lens frame secured with Torx pin-in security fasteners, impact-resistant polycarbonate lens.

Trim flange construction for use with drywall and hard ceilings or mud-in trimless construction integrates in drywall ceilings.

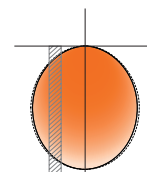
Individual units and continuous runs in 1ft increments.

Available with flush, flush grazer or flush asymmetric room fill lens.

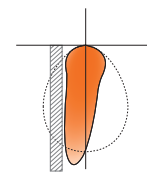
Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

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

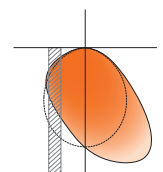
DISTRIBUTIONS



Flush Lens



Flush Grazer



Flush
Asymmetric
Room Fill

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

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 or Tunable White (2700K-6500K), CRI>80, >90. 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

Solid aluminum lens frame with tamper resistant Pin-In-Torx drive counter sunk screws. One piece extruded aluminum housing. 20 Ga. steel end caps and bulkheads. Ligature resistant construction. 4' unit weight: 24 lbs.

Optic

Clear 1/8" thick polycarbonate lens over acrylic optical lens, up to 8' continuous. Reflectors fabricated of 22 Ga. steel finished in Matte White powder coat.

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

Output - 10 watts for 90 minutes. Maximum mounting height: 19.2ft.

Labels

UL and cUL Listed. Suitable for Dry or Damp Locations, indoor use only. IP65-room side per IEC 60529, IEC 60598-1 ensures that the enclosure is dust-tight and protected against jet streams of water from any direction without any harmful effects. IK10 - tested for impact-resistance per IEC 62262 to withstand forces up to 20 joules. NSF2 listed, evaluated for corrosion resistance, cleanability, and the ability of exposed materials to withstand normal wear.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. Optional antimicrobial polyester powder coat applied over a multi-stage pre-treatment.

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 T M-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 CHARTS

		 FLO		 GRO		 AFO	
Lumen Output	Total Lumens	Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	10.14	108	9.9	111	9.7	114
375LF	1500	13.33	113	12.4	121	12.7	118
625LF	2500	22.48	111	20.1	124	20.6	122
750LF	3000	27.10	111	25.0	120	25.6	117
875LF	3500	31.88	110	29.4	119	30.1	116
1000LF	4000	36.88	108	33.8	118	34.7	115
1125LF	4500	41.97	107	38.5	117	39.5	114
1250LF	5000	46.75	107	42.8	117	43.9	114

Based on 3500K, 80 CRI, 4ft lengths. Lumen multipliers: 90+ CRI = 0.87 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

STANDARD WHITE		TRSM4PR
Luminaire Series		
Seem 4 Behavioral Health Perimeter		TRSM4PR
Housing Type		FXH
Fixed Housing (not recommended for wall to wall installations)		FXH
Shielding		
Flush Lens		FL0
Flush Grazer		GR0
Flush Asymmetric Room Fill		AF0
Lumen Output		
275 Lumens per foot (Not available with LH1.)		275LF
375 Lumens per foot (Not available with LH1.)		375LF
625 Lumens per foot		625LF
750 Lumens per foot		750LF
875 Lumens per foot		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
Circuits & Zones		
1 Circuit, non-emergency		1C
Consult Ordering Guide 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		LH1
DALI 1% Dimming (1000 lumens max.)		D11
Mounting		
Trim Flange Drywall		TF
Mud-in Trimless Drywall		XF
Factory Options		
(See Ordering Guide 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 (4' minimum length. 120/277 Volt only)		_EM
Emergency Control Device (4' minimum length. 120/277 Volt only).		_ECD
6' New York City Flex Whip (120V only)		FNY1
6' New York City Flex Whip (277V only)		FNY2
6' Flex Whip		FW
IP65 (room side only)		IP65
NSF Listed		NSF
Finish		
Matte White Housing		WH
Matte White Antimicrobial Housing		WHA
Luminaire Length		ft
Specify luminaire length in 1ft increments (2ft minimum. Consult factory for run lengths over 48ft. Lengths are nominal)		_ft

TW

4' PERFORMANCE CHARTS

Lumen Output	Total Lumens	FLO		GRO		AFO	
		Tested System Watts	LPW	Tested System Watts	LPW	Tested System Watts	LPW
275LF	1100	12.0	91	11.8	93	11.6	95
375LF	1500	16.5	91	15.4	98	15.6	96
625LF	2500	28.5	88	25.5	98	26.8	93
750LF	3000	34.6	87	31.9	94	32.5	92
875LF	3500	41.1	85	37.8	93	38.4	91
1000LF	4000	47.2	85	43.3	92	44.6	90
1125LF	4500	53.7	84	49.2	91	50.8	89

Based on 2700K, 90 CRI, 4ft lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen Multipliers		Wattage Multipliers	
CRI	Multiplier	CCT	Multiplier
80+	1.16	2700K	1.00
90+	1.00	3000K	0.96
		3500K	0.92
		4000K	0.89
		5000K	0.88
		5700K	0.87
		6500K	0.87



TUNABLE WHITE

Luminaire Series

Seem 4 Behavioral Health Perimeter

TRSM4PR

Housing Type

Fixed Housing

(not recommended for wall to wall installations)

FXH

FXH

Shielding

Flush Lens

Flush Grazer

Flush Asymmetric Room Fill

FL0

GRO

AFO

Lumen Output

275 Lumens per foot

(3ft minimum)

375 Lumens per foot

625 Lumens per foot

750 Lumens per foot

875 Lumens per foot

1000 Lumens per foot

1125 Lumens per foot

275LF

375LF

625LF

750LF

875LF

1000LF

1125LF

Color Temperature

Tunable White: 2700-6500K, 80+ CRI

Tunable White: 2700-6500K, 90+ CRI

2765T

92765T

Circuits & Zones

1 Circuit, non-emergency

Consult Ordering Guide for multiple circuiting and zoning options

1C

_C_Z_DL

Voltage

120/277 UNV Volt

UNV

Control System & Dimming Level

DALI - 1% Dimming

(DT6 control. Requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8.)

D1TW

Mounting

Trim Flange Drywall

Mud-in Trimless Drywall

TF

XF

Factory Options

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

Chicago Plenum

(Not available with flex whip)

CP

Daylight Circuit

Emergency Circuit

Emergency Battery Pack[†]

Emergency Control Device[†]

(Consult factory)

_DC

_EC

_EM

_ECD

6' New York City Flex Whip (120V only)

6' New York City Flex Whip (277V only)

6' Flex Whip

IP65 (room side only)

NSF Listed

FNY1

FNY2

FW

IP65

NSF

Finish

Matte White Housing

Matte White Antimicrobial Housing

WH

WHA

Luminaire Length

Specify luminaire length in 1ft increments

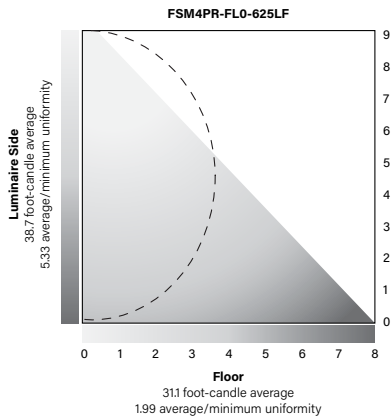
(2ft minimum. Consult factory for run lengths over 48ft. Lengths are nominal)

_ft

ft

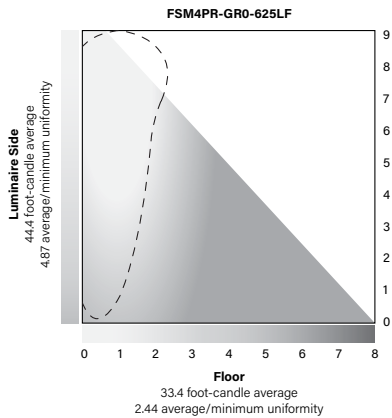
SELECTING THE BEST OPTIC FOR EACH APPLICATION

8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor



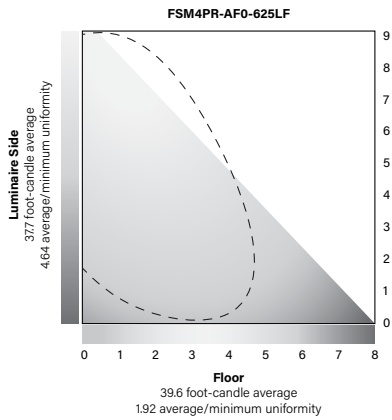
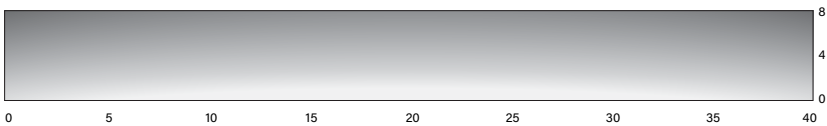
Standard Lens

The standard optic results in a Lambertian light distribution that provides uniform illumination. It is ideal to create a glowing transition between the walls and ceiling, adding dimension to the space.



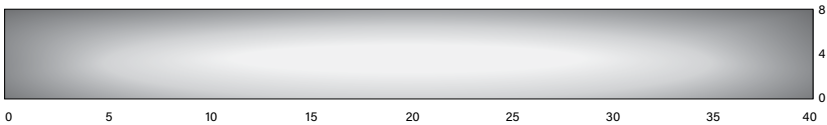
Grazer Lens

The grazer optic closely grazes walls, highlighting textures and architectural details. It is intended to provide even illumination and deliver maximum visual impact on the vertical surfaces.



Asymmetric Room Fill Lens

The asymmetric room fill optic projects light into the space to evenly illuminate horizontal planes. It is ideal to light rooms and corridors from the perimeter, resulting in superior efficacy and uniformity on the floor.



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.

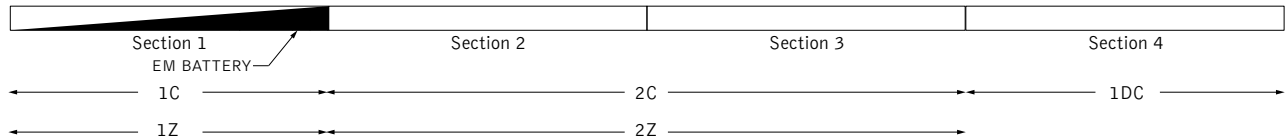
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: <u>32ft</u>		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	DC = Daylight Circuit Switched Hot / Separate Neutral
Z = Dimming Zone Dimming Control Wires	EC = Emergency Circuit Switched Hot / Separate Neutral
DL = Daylight Zone Daylight Dimming Control Wires	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



FOCAL POINT®

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								

WORKSHEET

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.