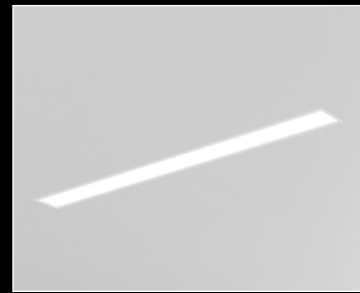


Seem® 4 Behavioral Health

LED



Trim Flange



Mud-In Drywall



Trim Flange detail

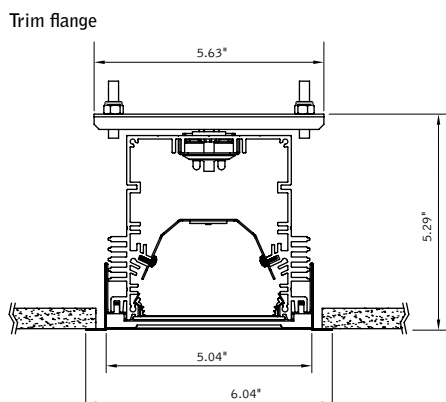
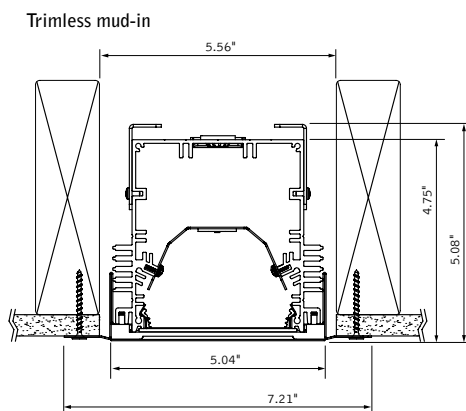


Continuous detail



Perimeter companion

DIMENSIONAL DATA



FEATURES

Extruded aluminum 4" aperture recessed 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 or mud-in trimless construction integrates in drywall ceilings.

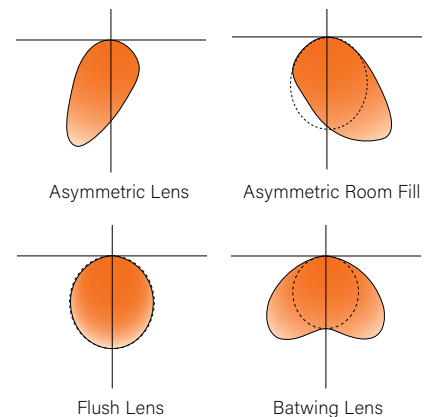
Individual units and continuous runs in 1ft increments.

Available with flush, asymmetric, asymmetric room fill, or batwing 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



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

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, 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. Housing for new construction applications. Ligature resistant construction. 4' unit weight: 23 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. 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 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

		BW		FL		AS		AF	
Lumen Output	Total Lumens	Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
		LPW		LPW		LPW		LPW	
275LF	1100	9.9	112	10.14	108	10.0	110	9.7	114
375LF	1500	12.9	116	13.33	113	12.5	120	12.7	118
625LF	2500	21.1	119	22.48	111	20.3	123	20.6	122
750LF	3000	26.2	114	27.10	111	25.3	119	25.6	117
875LF	3500	30.9	113	31.88	110	29.7	118	30.1	116
1000LF	4000	35.6	112	36.88	108	34.3	117	34.7	115
1125LF	4500	40.6	111	41.97	107	38.9	116	39.5	114
1250LF	5000	45.1	111	46.75	107	43.2	116	43.9	114

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

STANDARD WHITE		
Luminaire Series		TRSM4L
Seem 4 Behavioral Health		
Shielding		
Asymmetric Lens	AS	
Asymmetric Room Fill	AF	
Batwing Lens	BW	
Flush Satin Lens	FL	
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 (625LF min.)	LH1	
DALI 1% Dimming (1000LF max.)	D11	
Ceiling Configuration		
Trim Flange Drywall	TF	
Mud-in Trimless	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 [†]	_EM	
Emergency Control Device [†]	_ECD	
[†] (4' minimum. 120/277 Volt only.)		
6' New York City Flex Whip 120V or 277V	FN1 or FN2	
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. Housing length is 1" shorter than specified.)	_ft	

fixture:

project:

TW 4' PERFORMANCE CHART

		BW		FL		AS		AF	
Lumen Output	Total Lumens	Tested System Watts		Tested System Watts		Tested System Watts		Tested System Watts	
		LPW		LPW		LPW		LPW	
275LF	1100	11.6	95	12.0	91	12.1	91	11.6	95
375LF	1500	16.0	94	16.5	91	15.4	97	15.6	96
625LF	2500	26.7	94	28.5	88	26.4	95	26.8	93
750LF	3000	33.5	90	34.6	87	32.1	93	32.5	92
875LF	3500	39.7	88	41.1	85	37.9	92	38.4	91
1000LF	4000	45.9	87	47.2	85	44.1	91	44.6	90
1125LF	4500	52.3	86	53.7	84	50.0	90	50.8	89

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

Lumen Multipliers

CRI	Multiplier
80+	1.16
90+	1.00

Wattage Multipliers

CCT	Multiplier
2700K	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

TRSM4L

Shielding

Asymmetric Lens

AS

Asymmetric Room Fill

AF

Batwing Lens

BW

Flush Satin Lens

FL

Lumen Output

275 Lumens per foot

275LF

(3ft minimum)

375 Lumens per foot

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

Color Temperature

Tunable White: 2700-6500K, 80+ CRI

2765T

Tunable White: 2700-6500K, 90+ CRI

92765T

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

Control System & Dimming Level

DALI 1% Dimming

D1TW

(DT6 control. Requires two addresses, one for intensity & one for

CCT tuning. Consult factory for DT8.)

Ceiling Configuration

Trim Flange Drywall

TF

Mud-in Trimless

XF

Factory Options

(See Ordering Guide for ordering details for

DC, EC, EM & ECD.)

Chicago Plenum

CP

(Not available with Flex Whip)

Daylight Circuit

_DC

Emergency Circuit

_EC

Emergency Battery Pack†

_EM

Emergency Control Device†

_ECD

†(Consult factory.)

6' New York City Flex Whip 120V or 277V

FN1 or FN2

6' Flex Whip

FW

IP65 (room side only)

IP65

NSF Listed

NSF

Finish

Matte White Housing

WH

Matte White Antimicrobial Housing

WHA

Luminaire Length

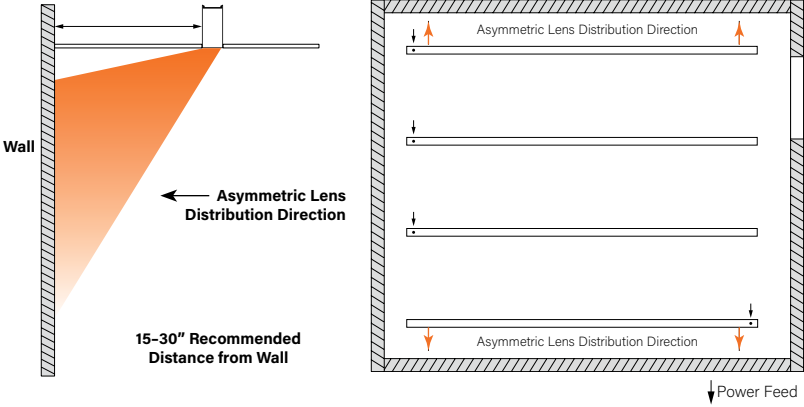
Specify luminaire length in 1ft increments

_ft

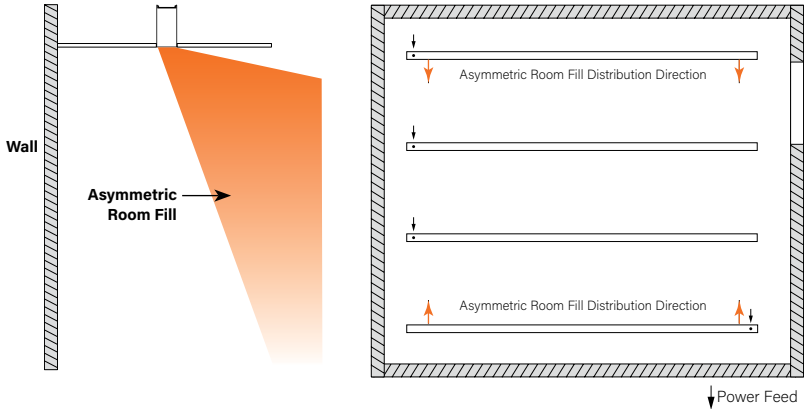
(2ft minimum. Consult factory for run lengths over 48ft.

Lengths are nominal. Housing length is 1" shorter than specified.)

DIRECT ASYMMETRIC
Standard Application Example



DIRECT ASYMMETRIC ROOM FILL
Standard Application Example



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.

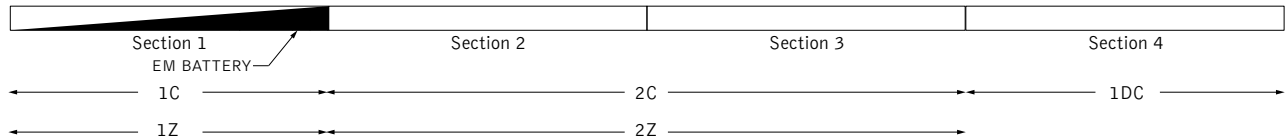
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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			
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
						DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	
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.