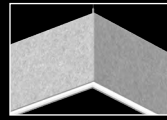
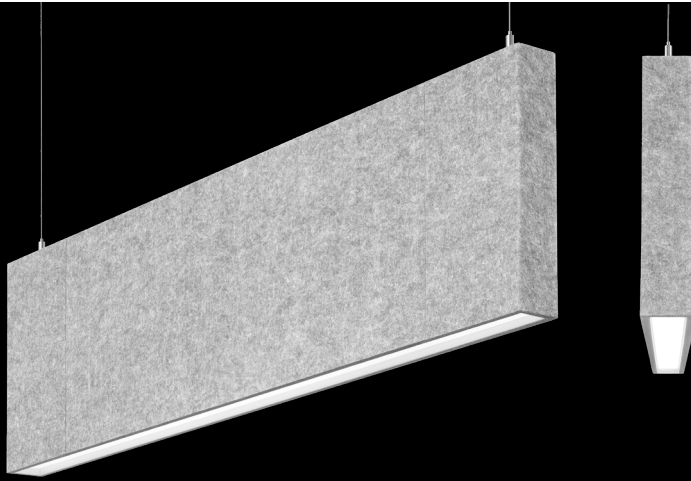


# Seem<sup>®</sup> 1 Acoustic

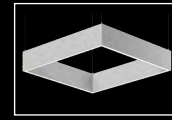
LED DIRECT



FOCAL POINT<sup>®</sup>



90° corner detail



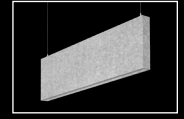
Rectangle pattern



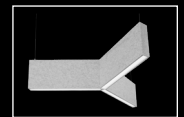
Left and right corner pattern



The Naturals collection - Light Oak shown

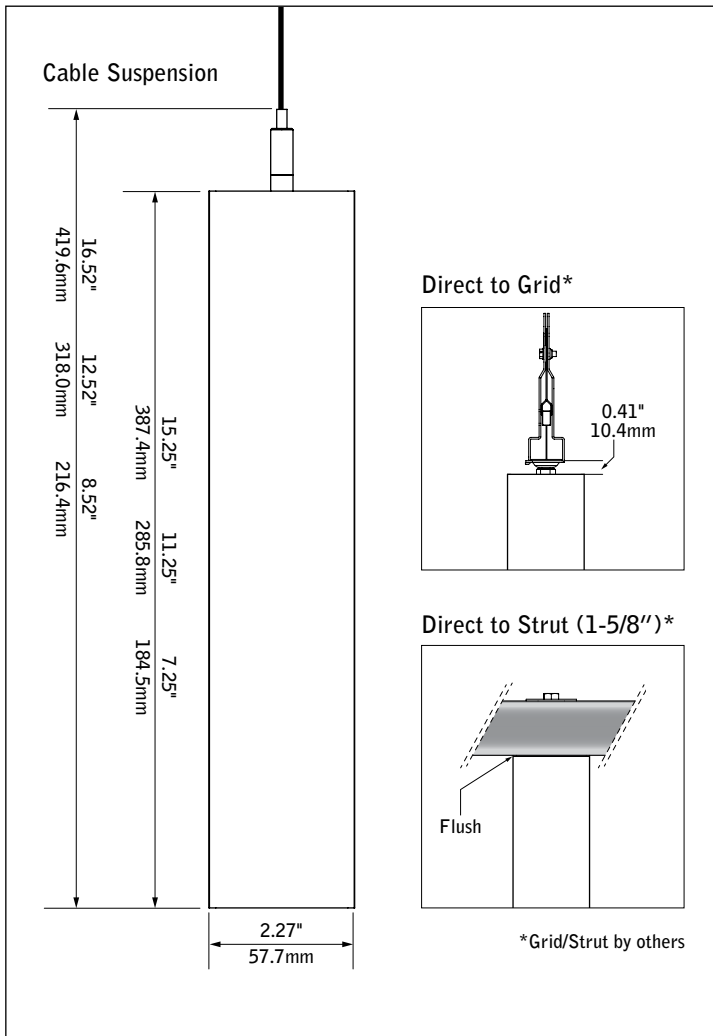


Seem 1 Acoustic Unlit companion



Seem 1 Acoustic Trio companion

## DIMENSIONAL DATA



## FEATURES

Narrow, sound absorbing 1.5" aperture linear direct acoustic LED luminaire.

Available in 3' to 208' lengths in 1" increments with 8", 12" or 16" nominal housing heights in straight lengths or patterns with 90° corners.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

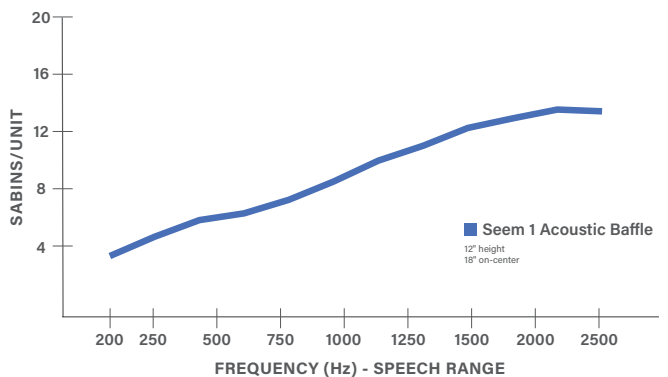
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

AirCore<sup>®</sup> Technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact.

Pair with Seem 1 Acoustic unlit baffle, Seem 1 Acoustic Trio, AirCore Blade<sup>®</sup>, or TruBlade<sup>®</sup> to create a coordinated look in interior spaces.

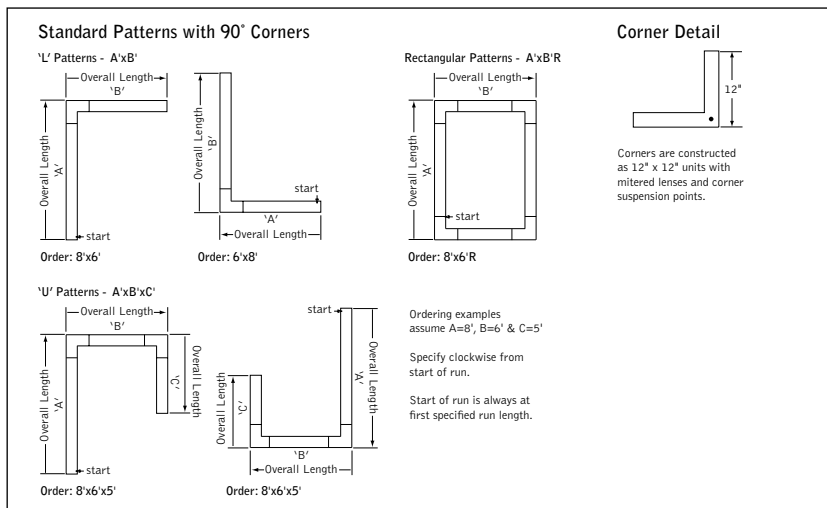
Available with The Naturals, a series of finishes that exude biophilic beauty.

## ACOUSTIC PERFORMANCE



All products were tested in multiple configured arrays. Total absorption will vary based on configuration. Please refer to ASTM C423 reports for more information.

**DETAILS**



**SPECIFICATIONS**

**Acoustic Material**

<b>Content</b>	Housing material is 100% polyester containing up to 50% of recycled plastic bottles (PET felt) and is moisture resistant. See page 3 for color offering. Acoustic material colors are subject to change without notice. For the most current color options, please visit focalpointlights.com/acousticsolutions. Lead times may vary depending on color.
<b>Cleaning and Care</b>	Remove dust and debris with a clean, soft, lint-free cloth or vacuum
<b>PET Thickness</b>	9mm
<b>Surface Burning Characteristics</b>	ASTM E84 Class A / CAN ULC S102 Flame Spread: 0, Smoke Development Index: 300

**Acoustic Performance**

Acoustic testing is performed on all Focal Point acoustic products and varies based on installation and configuration. ASTM C423 test reports can be downloaded from focalpointlights.com. Contact acoustic.solutions@focalpointlights.com for technical questions.

<b>Sabins</b>	Sabins is a unit of sound absorption. It measures how well one square foot of material absorbs sound. Focal Point has averaged the Sabins per unit at four specific frequency bands representing the human speech range (250, 500, 1000, 2000 Hz) to determine the Sabins per product. 8' length, 12" height: 12" OC = 5.08 Sabins, 18" OC = 9.05 Sabins, 24" OC = 9.46 Sabins
---------------	---

**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 drivers are replaceable from above. Color accuracy <3 SDCM.

**Weight**

12" height, 4' length = 10.75lbs. 12" height, 6' length = 16.13lbs. 12" height, 8' length = 21.5lbs.

**Optic**

Reflectors fabricated of 22 Ga. steel finished in Matte White powder coat. Extruded acrylic lens .05" 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. Power cord white as standard.

**Canopy (suspended mounting only)**

Polyester powder coat applied over a multi-stage pre-treatment. Canopy white as standard.

**Emergency Battery**

Emergency output - 10 watts for 90 minutes. Maximum mounting height: 16.83ft.

**Labels**

ETL listed in accordance with UL standards. Suitable for Dry Locations, indoor use only.

**Lumen Maintenance**

Reported: L70 at >61,000 hours      Calculated: L70 at 470,000 hours  
L90 at >61,000 hours                      L90 at 115,000 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 and when mounted no less than 7.5" from the ceiling. 5-year limited warranty.

**4' PERFORMANCE CHART**

See page 4



**ORDERING**

<b>Luminaire Series</b>	<b>ASM1S</b>	_____
Seem 1 Acoustic Direct LED	ASM1S	_____
<b>Shielding</b>	_____	_____
Asymmetric Wall Wash	AS	_____
Batwing Lens	BW	_____
Regress Lens	RL	_____
<b>Luminaire Height</b> (heights are nominal)	_____	_____
	8"	8
	12"	12
	16"	16
<b>Lumen Output</b>	_____	_____
100 Lumens per foot	100LF	_____
(4' minimum. Consult factory for Lutron & DALI)		
200 Lumens per foot	200LF	_____
300 Lumens per foot	300LF	_____
400 Lumens per foot	400LF	_____
500 Lumens per foot	500LF	_____
<b>Color Temperature</b>	_____	_____
2700K, 80CRI or 90CRI	27K or 927K	_____
3000K, 80CRI or 90CRI	30K or 930K	_____
3500K, 80CRI or 90CRI	35K or 935K	_____
4000K, 80CRI or 90CRI	40K or 940K	_____
<b>Circuits &amp; Zones</b>	_____	_____
1 Circuit, non-emergency	1C	_____
Consult Ordering Guide on page 5 for multiple circuiting and zoning options	_C_Z_DL	_____
<b>Voltage</b>	_____	<b>UNV</b>
120/277 UNV Volt	UNV	_____
<b>Control System &amp; Dimming Level</b>	_____	_____
0-10V - 10% Dimming	LD1	_____
0-10V - 1% Dimming	L11	_____
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	_____
DALI 1% Dimming	D11	_____
<b>Mounting</b>	_____	_____
<b>Suspended</b>	_____	_____
(Mounting hang kits ship with order. Power cable is 18" longer than suspension length. Consult factory for longer power cable lengths)		
24" Cable Suspension	J24_	_____
48" Cable Suspension	J48_	_____
96" Cable Suspension	J96_	_____
120" Cable Suspension	J120_	_____
(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: J24WH.) (Consult factory for sloped ceiling applications)		
<b>Surface Mounted</b>	_____	_____
(30" power cable standard. Consult factory for longer power cable lengths.)		
Direct/Flush to Grid	DTG	_____
Direct/Flush to Strut	DTS	_____
<b>Factory Options</b>	_____	_____
(See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD.)		
Black Cord	BKCD	_____
Daylight Circuit	_DC	_____
Emergency Circuit*	_EC	_____
Emergency Battery Pack**	_EM	_____
Emergency Control Device†	_ECD	_____
†(4' minimum length.) *(4' minimum length, maximum of 3 locations. See cut sheet ordering guide for emergency option ordering details)		
<b>Acoustic Panel Color</b>	_____	_____
See page 3 for color offering		
<b>Luminaire Length</b>	_____	<b>ft in</b>
(Leave blank for patterns. Luminaires are 3/4" longer than specified and cannot be cut to length or joined in the field.)		
Specify length in 1" increments	_ft _in	_____
from 3' to 208'		
(16' maximum for DTG, consult factory for alternate lengths.)		
<b>Pattern Options</b>	_____	_____
(Patterns available with LD1 and L11 drivers only.) (5' minimum leg length for L patterns. 6' minimum leg length for U and Rectangle patterns)		
L' pattern	A' x B'	_____
U' pattern	A' x B' x C'	_____
Rectangular pattern	A' x B' R	_____
(Consult factory for other pattern options)		

# Acoustic Materials



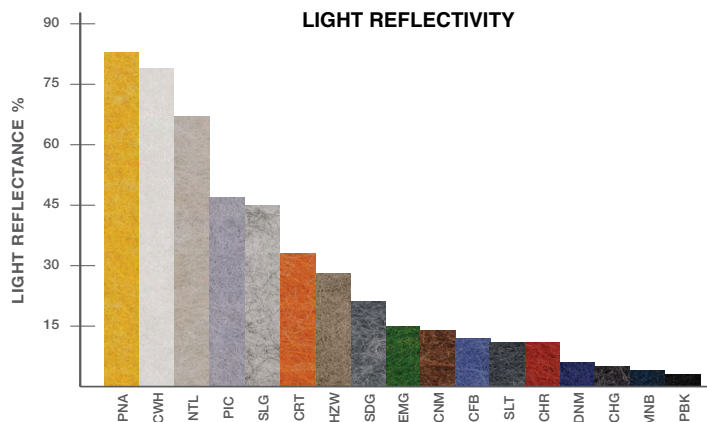
## THE NATURALS (25% SCALE)



## STANDARD PET



## PREMIUM PET



# Declare.

**PET**  
Focal Point, LLC

**Final Assembly:** Chicago, Illinois, USA  
**Life Expectancy:** 30 Year(s)  
**End of Life Options:** Salvageable/Reusable in its Entirety, Recyclable (100%)

**Ingredients:**

**Polyethylene terephthalate:** PET; **N, N'-Ethylene bisstearamide:** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic Acid:** Stearic Acid; **Antioxidant 1076:** Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; **Antioxidant KY-405:** Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]; **Titanium Dioxide:** Titanium dioxide

**Living Building Challenge Criteria:**

**I-13 Red List:**

- LBC Red List Free
- LBC Red List Approved
- Declared

**% Disclosed:** 100% at 100ppm  
**VOC Content:** Not Applicable

**I-10 Interior Performance:** Not Compliant  
**I-14 Responsible Sourcing:** Not Applicable

FPL-0001  
EXP. 01 APR 2025  
Original Issue Date: 2020

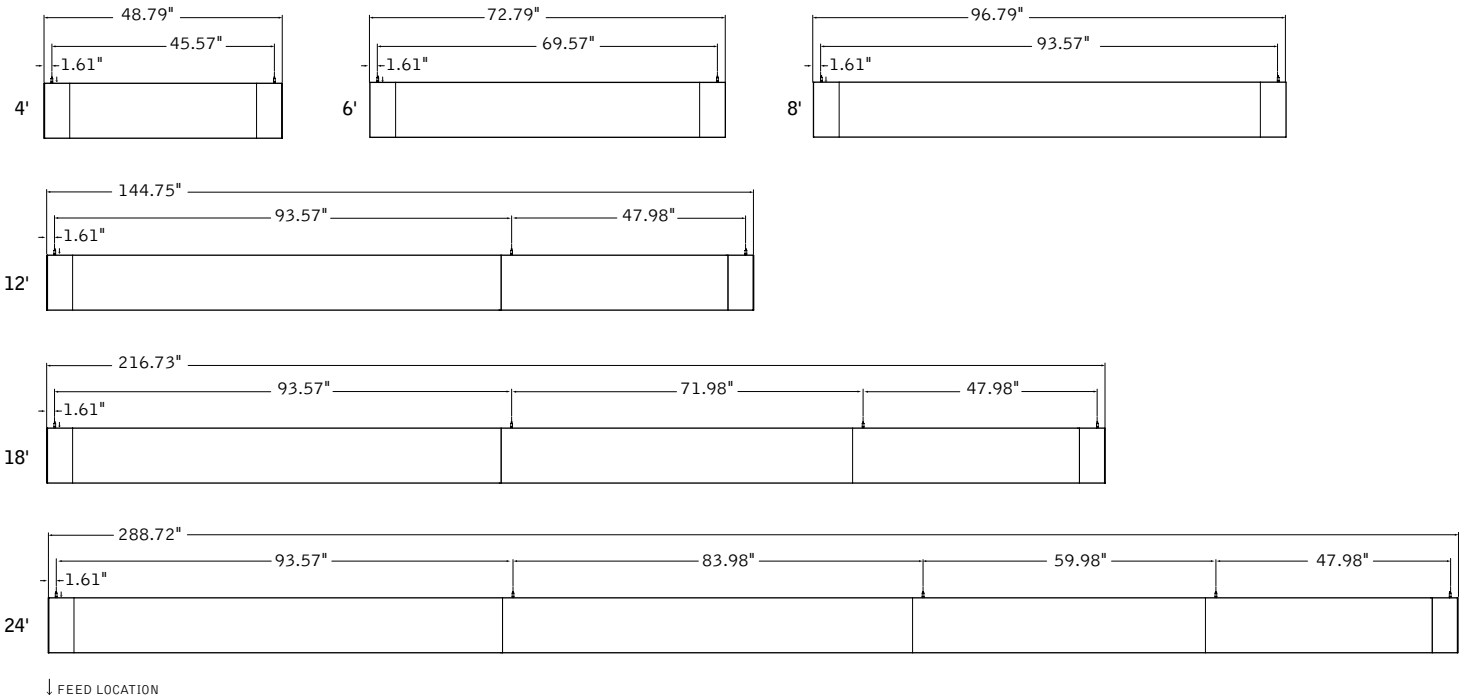
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

#### 4' PERFORMANCE CHART - REGRESS LENS

Direct Lumen Output	Delivered Lumens	Tested System Watts	Lumens per Watt (LPW)		
			AS	BW	RL
100LF	400	6	90	84	70
200LF	800	10	103	96	86
300LF	1200	14	109	100	91
400LF	1600	17	112	104	93
500LF	2000	22	114	105	94

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

#### MOUNTING DETAILS (see Run Chart on following page for number of hang points per run)



# Ordering Guide

## 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.

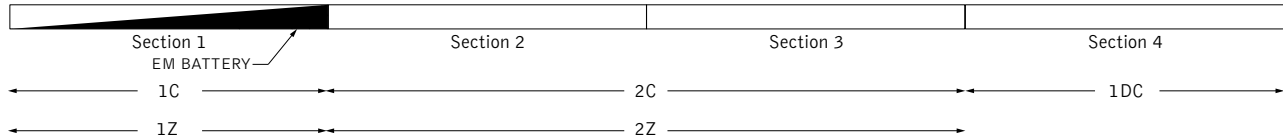
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

TOTAL RUN LENGTH: <u>32ft</u>		JOB NAME: _____			FIXTURE TYPE: _____			
HOUSING SECTION	SECTION LENGTH	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
		SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
1	8	1C	1Z					1EM
2	8	2C	2Z					
3	8	2C	2Z					
4	8				1DC			
<b>Totals / Ordering Codes</b>		<b>2C</b>	<b>2Z</b>		<b>1DC</b>			<b>1EM</b>

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				ECD			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
<b>Totals / Ordering Codes</b>								

WORKSHEET

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

## RUN CHART

Run length (ft)	Housing Configuration Section Lengths	# of hang points per run
9	5 + 4	3
10	6 + 4	3
11	7 + 4	3
12	8 + 4	3
13	8 + 5	3
14	8 + 6	3
15	8 + 7	3
16	8 + 8	3
17	8 + 5 + 4	4
18	8 + 6 + 4	4
19	8 + 7 + 4	4
20	8 + 7 + 5	4
21	8 + 7 + 6	4
22	8 + 7 + 7	4
23	8 + 7 + 8	4
24	8 + 7 + 5 + 4	5
25	8 + 7 + 6 + 4	5
26	8 + 7 + 7 + 4	5
27	8 + 7 + 7 + 5	5
28	8 + 7 + 7 + 6	5

Run length (ft)	Housing Configuration Section Lengths	# of hang points per run
29	8 + 7 + 7 + 7	5
30	8 + 7 + 7 + 8	5
31	8 + 7 + 7 + 5 + 4	6
32	8 + 7 + 7 + 6 + 4	6
33	8 + 7 + 7 + 7 + 4	6
34	8 + 7 + 7 + 7 + 5	6
35	8 + 7 + 7 + 7 + 6	6
36	8 + 7 + 7 + 7 + 7	6
37	8 + 7 + 7 + 7 + 8	6
38	8 + 7 + 7 + 7 + 5 + 4	7
39	8 + 7 + 7 + 7 + 6 + 4	7
40	8 + 7 + 7 + 7 + 7 + 4	7
41	8 + 7 + 7 + 7 + 7 + 5	7
42	8 + 7 + 7 + 7 + 7 + 6	7
43	8 + 7 + 7 + 7 + 7 + 7	7
44	8 + 7 + 7 + 7 + 7 + 8	7
45	8 + 7 + 7 + 7 + 7 + 5 + 4	8
46	8 + 7 + 7 + 7 + 7 + 6 + 4	8
47	8 + 7 + 7 + 7 + 7 + 7 + 4	8
48	8 + 7 + 7 + 7 + 7 + 7 + 5	8

Standard run configurations, consult factory for custom configurations and longer run lengths.