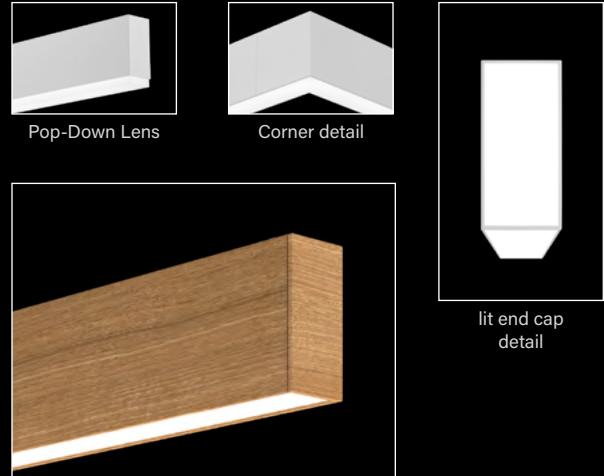
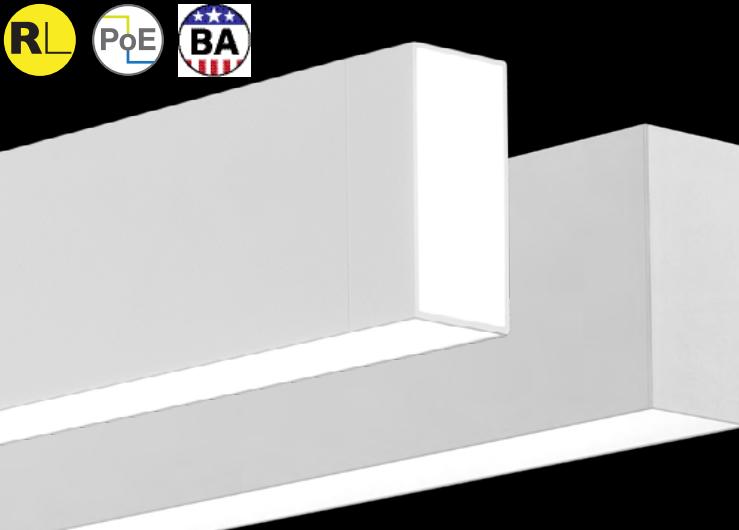


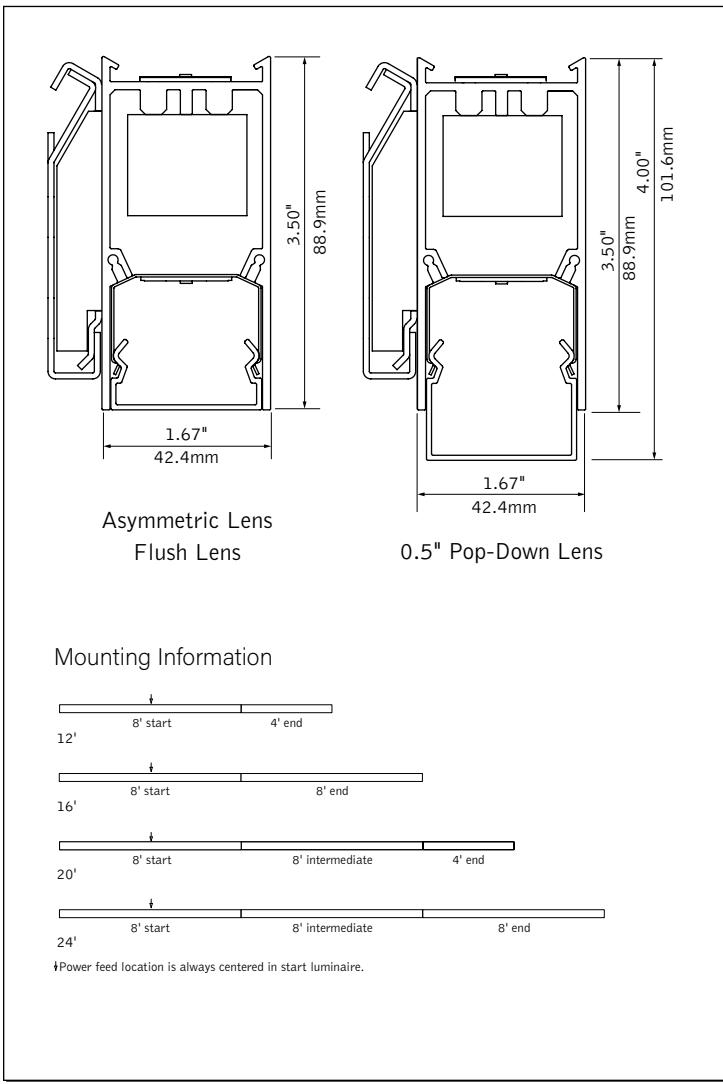
# Seem® 1

LED DIRECT/INDIRECT WALL MOUNT



The Naturals collection - Chustnut shown

## DIMENSIONAL DATA



## FEATURES

Narrow extruded aluminum 1.5" linear direct wall mount LED with Asymmetric, Flush, and Pop-Down lens options.

Individual units and continuous runs in 1" increments.

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

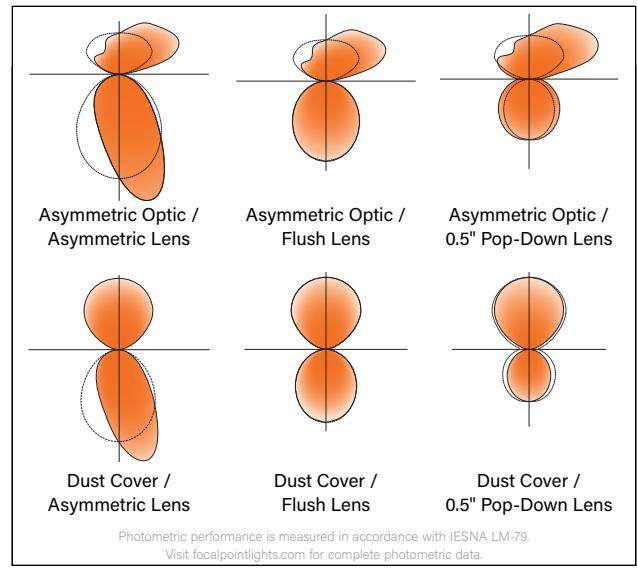
LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

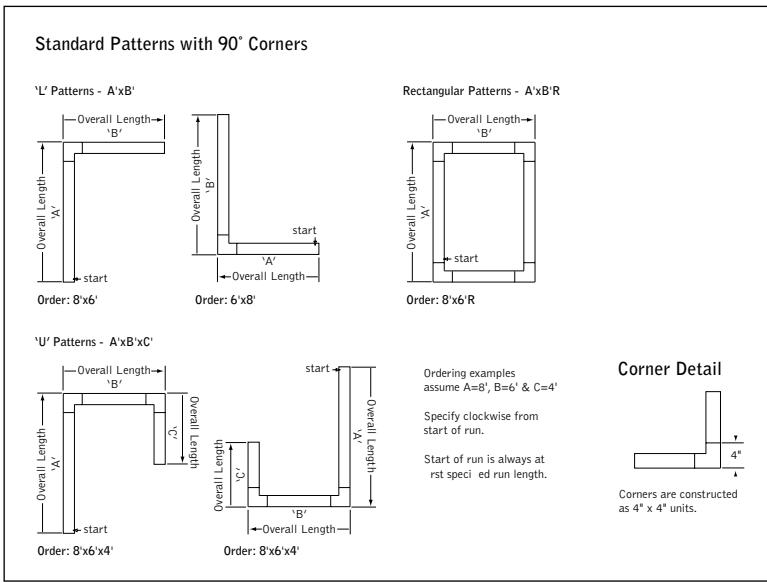
Choice of output levels to meet a wide variety of application needs.

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

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

## DISTRIBUTIONS



**DETAILS****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 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**

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 15lbs.

**Optic**

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" 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. 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.

**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.

**Lumen Maintenance**

Reported: L70 at >61,000 hours  
L90 at >61,000 hours

Calculated: L70 at 470,000 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. 5-year limited warranty.

**PERFORMANCE CHARTS**

See pages 3 & 4.

**ORDERING****Luminaire Series**

Seem 1 LED **FSM1BW**

**Shielding**

Asymmetric Optic top/Asymmetric Lens bottom **ASAS**

Asymmetric Optic top/Flush Lens bottom **ASFL**

Asymmetric Optic top/0.5" Pop-Down Lens bottom **ASPD05**

Dust Cover top/Asymmetric Lens bottom **DCAS**

Dust Cover top/Flush Lens bottom **DCFL**

Dust Cover top/Pop-Down Lens bottom **DCPD05**

**Direct Distribution**

125 Lumens per foot **125DN**  
(Consult factory for Lutron and DALI)

250 Lumens per foot **250DN**

375 Lumens per foot **375DN**

500 Lumens per foot **500DN**

625 Lumens per foot **625DN**

**Indirect Distribution**

125 Lumens per foot **125UP**  
(Consult factory for Lutron and DALI)

250 Lumens per foot **250UP**

375 Lumens per foot **375UP**

500 Lumens per foot **500UP**

625 Lumens per foot **625UP**

800 Lumens per foot\* **800UP**

1000 Lumens per foot\* **1000UP**

(\*Not available with DALI)

**Color Temperature**

3000K, 80CRI or 90 CRI **30K or 930K**

3500K, 80CRI or 90 CRI **35K or 935K**

4000K, 80CRI or 90 CRI **40K or 940K**

**Circuits & Zones**

1 Circuit, non-emergency **1C**

2 non-emergency circuits provide independent control of Direct and Indirect sources

Consult Ordering Guide on page 5 for multiple circuiting and zoning options **\_C\_Z\_DL**

**Voltage**

120/277 UNV Volt **UNV**

347 Volt **347**  
(LD1 driver only)

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**

DALI 1% Dimming **D11**

(625 lumens per foot max)

**Mounting**

Wall Mount **WM**

**Factory Options**

(See Ordering Guide on page 5 for ordering details for DC, EC, EM & ECD)

**LE**

(Pair, adds 2" to overall luminaire length. ASFL & DCFL shielding only. Not available with P35K.)

**DC**

Daylight Circuit **DC**

Emergency Circuit **EC**

Emergency Battery Pack<sup>†</sup> **EM**

Emergency Control Device<sup>†</sup> **ECD**

<sup>†</sup>(5' minimum length. 120/277 Volt only)

**Finish**

(See finishes page for The Naturals options)

Black **BK**

Titanium Silver **TS**

Matte White Housing **WH**

**Luminaire Length**

Specify luminaire/row length in 1" increments **ft\_in**

(4' minimum. Leave blank for patterns.)

(Smaller increments available, consult factory.)

**Pattern Options**

(4' minimum length)

**'L' pattern** **A'x B'**

**'U' pattern** **A'x B' x C'**

**Rectangular pattern** **A' x B' R**

(Consult factory for other pattern options)

#### 4' PERFORMANCE CHART

Lumens Per Watt (LPW)															
Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	 ASAS	Tested System Watts	 ASFL	Tested System Watts	 ASPD05	Tested System Watts	 DCAS	Tested System Watts	 DCFL	Tested System Watts	 DCPD05
125DN	125UP	50/50	1000	11	91	11	91	11	91	11	91	11	91	11	91
	250UP	33/67	1500	13	112	13	112	13	112	13	113	13	114	13	113
	375UP	25/75	2000	16	124	16	125	16	124	16	126	16	126	16	126
	500UP	20/80	2500	19	130	19	130	19	130	19	132	19	133	19	132
	625UP	17/83	3000	22	134	22	134	22	134	22	136	22	137	22	136
	800UP	14/86	3700	27	137	27	137	27	137	26	140	26	140	26	140
	1000UP	11/89	4500	34	134	34	134	34	134	33	137	33	137	33	137
250DN	125UP	67/33	1500	14	111	14	105	14	107	14	111	14	105	14	107
	250UP	50/50	2000	16	126	17	120	16	122	16	127	16	122	16	123
	375UP	40/60	2500	19	134	19	129	19	131	18	136	19	131	19	132
	500UP	33/67	3000	22	138	22	134	22	135	21	140	22	136	22	137
	625UP	29/71	3500	25	140	26	136	25	138	25	143	25	139	25	140
	800UP	24/76	4200	30	142	30	139	30	140	29	145	30	141	29	143
	1000UP	20/80	5000	36	138	37	136	37	137	35	141	36	139	36	140
375DN	125UP	75/25	2000	16	123	17	115	17	117	16	123	17	115	17	117
	250UP	60/40	2500	19	134	20	127	19	129	18	135	20	128	19	130
	375UP	50/50	3000	21	140	22	134	22	136	21	142	22	135	22	137
	500UP	43/57	3500	24	143	26	137	25	139	24	145	25	139	25	141
	625UP	38/62	4000	28	144	29	139	28	141	27	147	28	141	28	143
	800UP	32/68	4700	32	145	33	141	33	142	32	148	33	143	32	145
	1000UP	25/75	5500	39	141	40	138	40	139	38	144	39	141	39	142
500DN	125UP	80/20	2500	19	128	21	120	20	122	19	128	21	120	20	122
	250UP	67/33	3000	22	137	23	129	23	131	22	138	23	130	23	132
	375UP	57/43	3500	25	143	26	135	26	137	24	144	26	136	25	138
	500UP	50/50	4000	28	145	29	138	29	139	27	146	29	139	28	141
	625UP	44/56	4500	31	146	32	139	32	141	30	148	32	141	31	143
	800UP	38/62	5200	35	147	37	141	36	143	35	149	36	143	36	145
	1000UP	33/67	6000	42	143	43	138	43	139	41	145	43	141	42	142
625DN	125UP	83/17	3000	23	132	25	122	24	125	23	132	25	122	24	125
	250UP	71/29	3500	25	139	27	130	26	132	25	140	27	131	26	133
	375UP	60/40	4000	28	144	30	135	29	137	28	145	29	136	29	138
	500UP	56/44	4500	31	145	33	137	32	140	31	147	32	139	32	141
	625UP	50/50	5000	34	146	36	139	35	141	34	148	36	141	35	143
	800UP	44/56	5700	39	147	41	140	40	142	38	149	40	143	39	144
	1000UP	35/65	6500	45	143	47	138	47	139	45	146	46	140	46	142

\*Based on 3500K, 4' lengths. Lumen Multipliers: Preferred Light = 0.65, 90 CRI = 0.87, Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

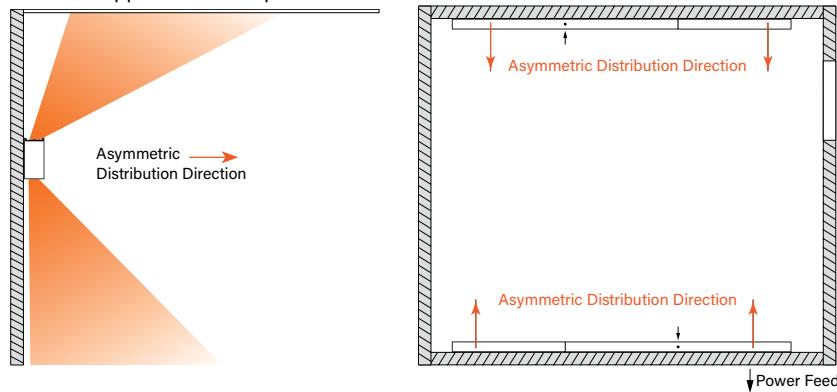
## LIT END CAP PERFORMANCE CHART

Direct Distribution	Delivered Lumens Per End Cap	Tested System Watts Per End Cap	Lumens Per Watt (LPW)
125LF	55	0.5	110
250LF	115	0.8	138
375LF	172	1.3	138
500LF	229	1.6	145
625LF	291	2.1	140

Based on 3500K. Lumen multipliers: 90 CRI = 0.87. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%  
Tested System Watts is not incremental, but the portion of overall wattage consumed by the Lit End Cap module

## ASYMMETRIC OPTIC / ASYMMETRIC LENS

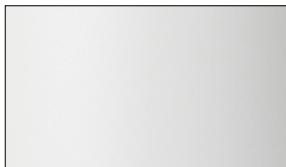
Standard Application Example



# Finishes



## STANDARD FINISHES



WHITE



WH BLACK



BK TITANIUM SILVER

TS

## THE NATURALS (25% SCALE)



LIGHT OAK



LOK GRAY ELM



GRE CHESTNUT



CHT WALNUT



WLT WOVEN LINEN

WLN

# Ordering Guide



## Bidirectional 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.

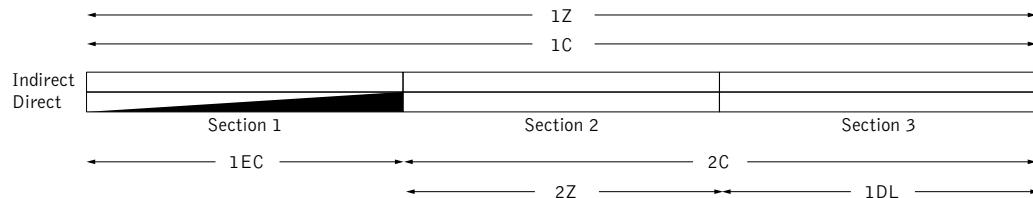
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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: <b>24ft</b>			JOB NAME: _____			Fixture Type: _____		
	HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS		
				SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD
1	8	Indirect	1C	1Z				1EC	
			Direct						
2	8	Indirect	1C	1Z					
			Direct	2C	2Z				
3	8	Indirect	1C	1Z					
			Direct	2C		1DL			
<b>Totals / Ordering Codes</b>				<b>2C</b>	<b>2Z</b>	<b>1DL</b>		<b>1EC</b>	

ORDERING: FSM4BS-FL-625UP-125DN-35K- **2C2Z1DL** -UNV-LD1-C24- **1EC** -WH-24ft



KEY	
<b>C = Switching Circuit</b> Switched Hot / Shared Neutral	<b>DC = Daylight Circuit</b> Switched Hot / Separate Neutral
<b>Z = Dimming Zone</b> Dimming Control Wires	<b>EC = Emergency Circuit</b> Switched Hot / Separate Neutral
<b>DL = Daylight Zone</b> Daylight Dimming Control Wires	<b>ECD = Emergency Control Device</b> Unswitched Hot / Separate Neutral
	<b>EM = Emergency Battery</b> Unswitched Hot / Shared Neutral

### DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- EC, EM, and ECD only available for direct distribution.
- One shared or isolated circuit and zone required per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Limit of one EM or ECD per housing section.
- Each EC, DC 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



WORKSHEET	TOTAL RUN LENGTH: _____			JOB NAME: _____			Fixture Type: _____		
	HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS		
				SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD
1			Indirect						
			Direct						
2			Indirect						
			Direct						
3			Indirect						
			Direct						
4			Indirect						
			Direct						
5			Indirect						
			Direct						
6			Indirect						
			Direct						
7			Indirect						
			Direct						
8			Indirect						
			Direct						
9			Indirect						
			Direct						
10			Indirect						
			Direct						
11			Indirect						
			Direct						
12			Indirect						
			Direct						
<b>Totals / Ordering Codes</b>									

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.