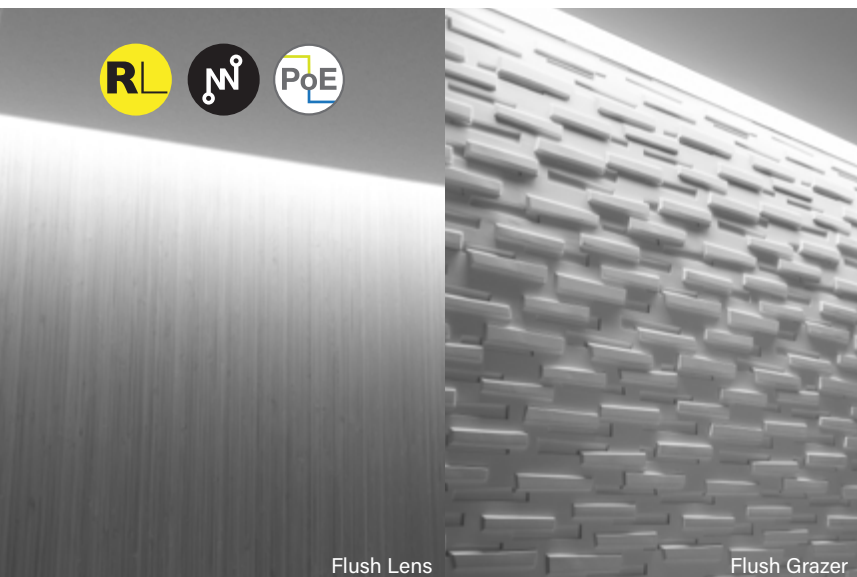


Seem® 4

LED PERIMETER



Flush Lens

Flush Grazer



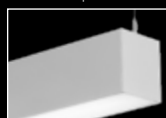
recessed companion



wall to ceiling companion

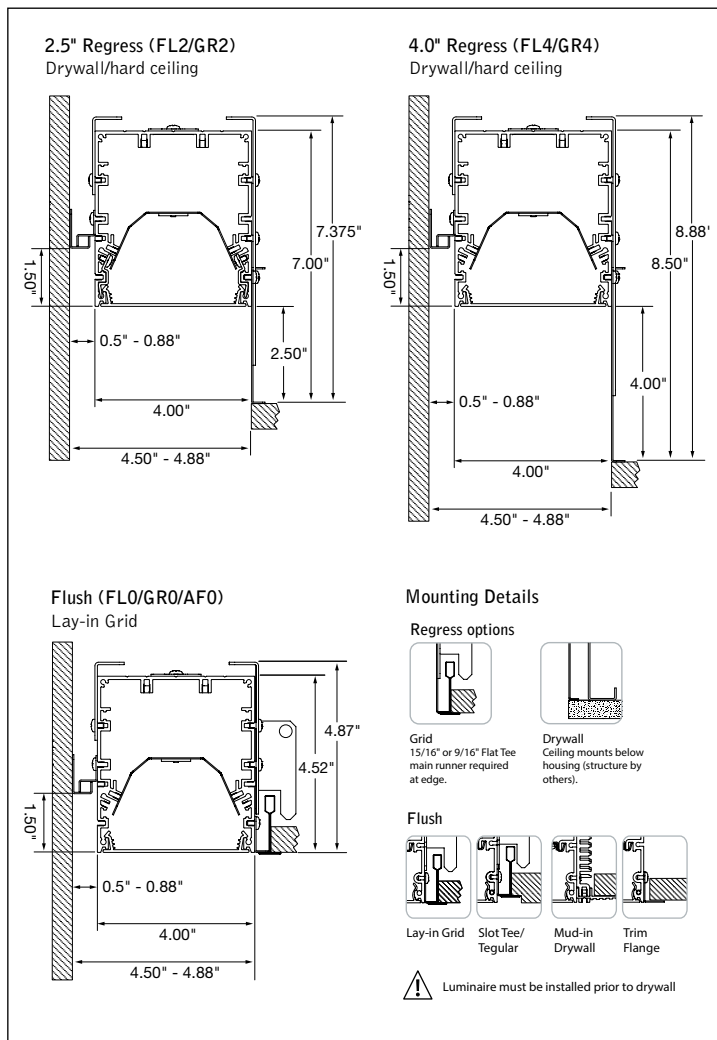


wall mount companion



suspended companion

DIMENSIONAL DATA



FEATURES

Seem 4 perimeter provides a glowing transition between ceiling and wall with Flush, 2.5\" regress or 4.0\" regress lenses.

Grazer optic provides even vertical illumination and adds drama to a space by highlighting textured walls and architectural details.

Asymmetric Room Fill optic provides best efficacy and uniformity to light rooms and corridors from the perimeter.

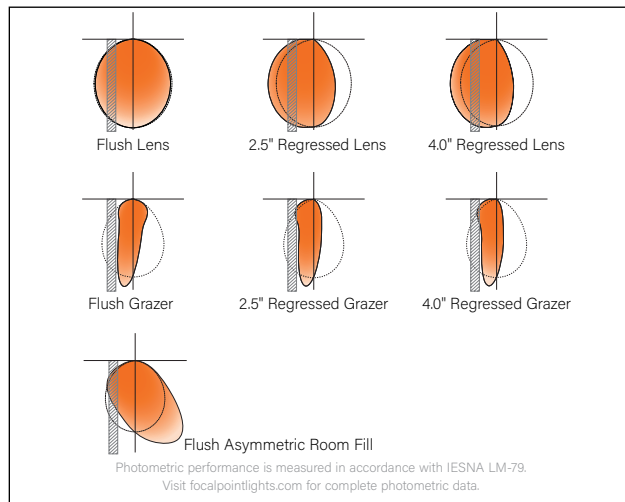
Adjustable housing option provides flexibility with +/- 3 inch adjustability for wall-to-wall illumination.

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

Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

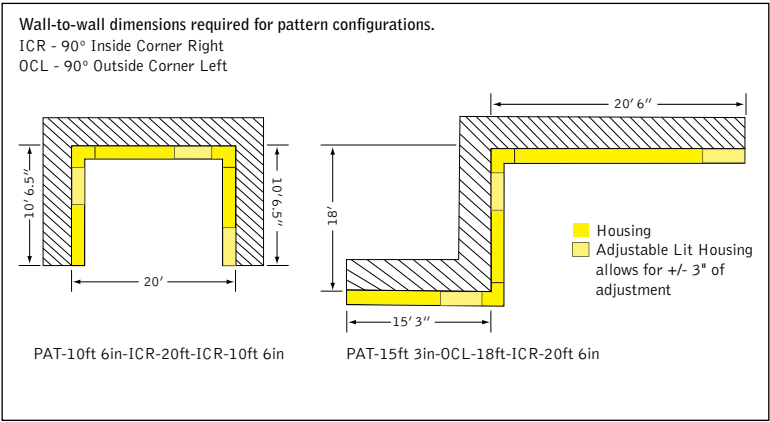
DISTRIBUTIONS



fixture:

project:

PATTERN CONFIGURATIONS



4' PERFORMANCE CHARTS

Lumen Output	Nominal Lumens	Tested System Watts	LPW		
			FL0	FL2	FL4
275LF	1100	12	99	92	89
375LF	1500	15	103	96	93
625LF	2500	25	103	96	93
875LF	3500	35	102	95	91
1000LF	4000	37	102	95	91

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

Lumen Output	Nominal Lumens	Tested System Watts	LPW			
			GR0	GR2	GR4	AF0
275LF	1100	12	106	100	97	111
375LF	1500	15	112	105	102	116
625LF	2500	25	111	105	102	116
875LF	3500	35	110	104	100	114
1000LF	4000	37	110	104	100	114

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

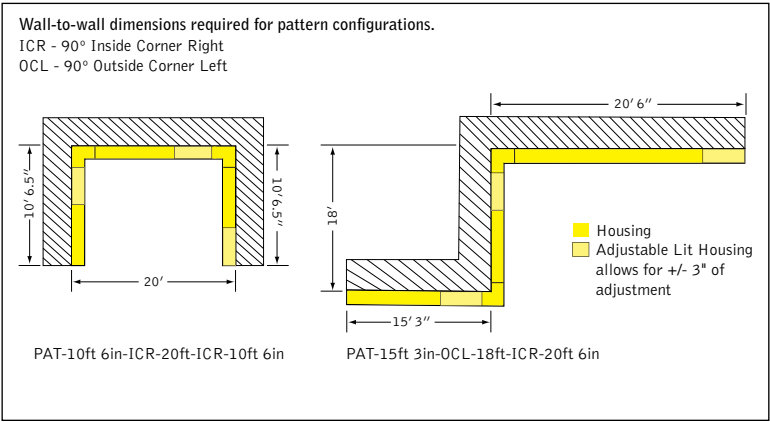
STANDARD WHITE		FSM4PR
Luminaire Series		
Seem 4 LED Perimeter		
Housing Type		
Adjustable Lit Housing		ALH
(Allows for +/- 3" adjustment to overall run length, 3' minimum luminaire length.)		
Fixed Housing		FXH
(not recommended for wall to wall installations)		
Shielding		
Flush Lens*		FL0
2.5" Regress		FL2
4.0" Regress		FL4
Flush Grazer*		GR0
2.5" Regress Grazer		GR2
4.0" Regress Grazer		GR4
Flush Asymmetric Room Fill*		AF0
*(Not available with Unlit Sliding Sleeves - SSB)		
Lumen Output		
275 Lumens per foot		275LF
(Not available with Lutron Drivers.)		
375 Lumens per foot		375LF
(Not available with LHL)		
625 Lumens per foot		625LF
(3' minimum with LHL)		
875 Lumens per foot		875LF
1000 Lumens per foot		1000LF
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 on page 5 for multiple circuiting and zoning options		
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		LVN
(No driver. Not available with EM or EC. LV Voltage only.)		
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming		LH1
DALI 1% Dimming		D11
Wattstopper DLM - 1% Dimming*		DLM1
(Not available with CP)		
Wattstopper Fixture Sensor*		LMFS1
Low Density - 1% Dimming		
(Remote mounted sensor. See sensor layout guide)		
Wattstopper Fixture Sensor*		LMFSD
High Density - 1% Dimming		
(Remote mounted sensor. See sensor layout guide)		
Acuity nLight - 1% Dimming*		NLT1
(Not available with CP)		
Enlighted Smart Sensor - 1% Dimming*		ENL1
(Remote mounted sensor. See sensor layout guide)		
Encelium CLM Connected Lighting* Module - 1% Dimming		CLM1
Current NX Enabled - 1% Dimming*		NXE1
(Not available with CP)		
WaveLinX Pro - 1% Dimming*		WLXP
(Remote mounted sensor. See sensor layout guide)		
*(3' minimum length. 7' minimum length with FXH & EM. Not available with ALH & EM. G & ST mounting only.)		
Mounting		
Flush		G
(FL0, GR0 & AF0)		ST
Slot Tee / Regular		TF
Trim Flange Drywall		XF
Mud-in Trimless Drywall		
Regressed		G
(FL2, FL4, GR2 & GR4)		XF
Trimless Drywall		
Factory Options		
(See Ordering Guide on page 5 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
6' New York City Flex Whip (120V only)		FN1
6' New York City Flex Whip (277V only)		FN2
6' Flex Whip		FW
Fixed Housing with Unlit Sliding Sleeves		SSB
(Set of two unlit 12" sleeves. Fixed housing in straight runs only. FL2, FL4, GR2 & GR4 only. 3' minimum luminaire length.)		
Finish		WH
Matte White Housing		WH
Luminaire Length		ft in
Specify luminaire/row length in 1" increments (2' minimum length)		
Pattern Options		
Specify patterns based on wall-to-wall dimensions		PAT
(See Pattern Configurations for example)		
Example: FSM4PR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10		

†4' minimum length. 120/277 Volt only. EM or ECD not available at corners.

fixture:

project:

PATTERN CONFIGURATIONS



TW 4' PERFORMANCE CHARTS

Lumen Output	Nominal Lumens	Tested System Watts	LPW		
			FL0	FL2	FL4
275LF	1100	13.30	83.2	77.5	74.8
375LF	1500	17.34	86.5	80.6	77.7
625LF	2500	27.84	89.5	83.4	80.5
875LF	3500	37.22	94.2	87.7	84.7
1000LF	4000	42.39	94.4	88.0	84.9

Based on 2700K, 80 CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen Output	Nominal Lumens	Tested System Watts	LPW			
			GR0	GR2	GR4	AF0
275LF	1100	13.30	89.8	84.7	82.1	93.4
375LF	1500	17.34	93.4	88.1	85.4	97.1
625LF	2500	27.84	96.7	91.2	88.4	100.5
875LF	3500	37.22	101.7	96.0	93.0	105.8
1000LF	4000	42.39	102.0	96.2	93.3	106.0

Based on 2700K, 80 CRI, 4' lengths. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Lumen Multipliers

CRI	Multiplier
80+	1.00
90+	0.89

Wattage Multipliers

CCT	Multiplier
2700K	1.00
3000K	0.92
3500K	0.88
4000K	0.86
5000K	0.85
5700K	0.87
6500K	0.90



TUNABLE WHITE

Luminaire Series

Seem 4 LED Perimeter FSM4PR

Housing Type

Adjustable Lit Housing ALH

(Allows for +/- 3" adjustment to overall run length. 3' minimum luminaire length.)

Fixed Housing FXH

(not recommended for wall to wall installations)

Shielding

Flush Lens[†] FL0

2.5" Regress FL2

4.0" Regress FL4

Flush Grazer GR0

2.5" Regress Grazer GR2

4.0" Regress Grazer GR4

Flush Asymmetric Room Fill[†] AF0

[†](Not available with Unlit Sliding Sleeves - SSB)

Lumen Output

275 Lumens per foot 275LF

(3' min with DITW. 4' min with LT1.) 375LF

625 Lumens per foot 625LF

875 Lumens per foot* 875LF

1000 Lumens per foot* 1000LF

[†](3' 6" min with ALH)

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 on page 5 for multiple circuiting and zoning options _C_Z_DL

Voltage

120/277 UNV Volt UNV

Control System & Dimming Level

Lutron T-Series - 1% Dimming LT1

DALI - 1% Dimming D1TW

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

Acuity nLight - 1% Dimming[†] NLT1

(Not available with CP)

Enlighted Smart Sensor - 1% Dimming[†] ENL1

(Remote mounted sensor. [See sensor layout guide](#))

Mounting

Flush (FL0, GR0 & AF0) Lay-in Grid G

Regressed (FL2, FL4, GR2 & GR4) Slot Tee / Trimless Drywall TF

Trimless Drywall XFF

Grid G

XF

Factory Options

(See Ordering Guide on page 5 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 only) FNY1

6' New York City Flex Whip (277V only) FNY2

6' Flex Whip FW

Fixed Housing with Unlit Sliding Sleeves SSB

(Set of two unlit 12" sleeves. Fixed housing in straight runs only. FL2, FL4, GR2 & GR4 only. 3' minimum luminaire length.)

Finish

Matte White Housing WH

Luminaire Length

Specify luminaire/row length in 1" increments _ft_in

(2' minimum length)

Pattern Options

Specify patterns based on wall-to-wall dimensions PAT

(See Pattern Configurations for example)

Example: FSM4PR-ALH-FL2-625LF-35K-1C-120-LD1-G-WH-PAT-10-ICR-20-ICR-10

LED System

Construction

Optic

Electrical

Emergency

Labels

Finish

Lumen Maintenance

Reliability

Warranty

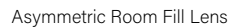
8' W x 40' L x 9' H Corridor | 80/50/20 Reflectances | 0.9 Light Loss Factor



Age Group	Percentage
18-24	38%
25-34	35%
35-44	32%
45-54	28%
55-64	25%
65-74	22%
75-84	18%
85+	1%



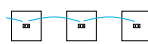












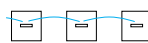



Age Group	Percentage
0	39
1	39
2	39
3	39
4	39
5	39
6	39
7	39
8	39



Age Group	Percentage
18-24	38%
25-34	35%
35-44	32%
45-54	28%
55-64	25%
65-74	22%
75-84	18%
85+	1%

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.†

Connected Solution		Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
 WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	Advance by Signify, Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	Advance by Signify
	LMFSD	LMFS-601	Optotronic by eldoLED (Dexal)						
		WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
 <small>Connections located under access panel.</small>		D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
		L11		0-10V					Advance by Signify
		CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
		ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
 <small>Connections located under access panel.</small>		LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
 <small>Connections located under access panel.</small>		NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	eldoLED ECOdrive, eldoLED SOLOdrive
		NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 	Optotronic by eldoLED

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold**. To specify a particular driver please consult factory.
†Controls systems supplied by others.

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.

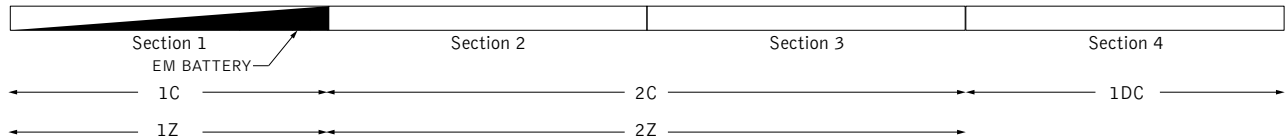
Refer to the run chart for standard run configurations, consult factory for custom configurations.

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.

TOTAL RUN LENGTH: <u>32ft</u>		JOB NAME: _____			FIXTURE TYPE: _____			
EXAMPLE	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				
	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



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.