Verve IV

LED

wall mount
companion

DIMENSIONAL DATA

2.5"
64.5mm

3.8"
96.5 mm

9.0"
229 mm
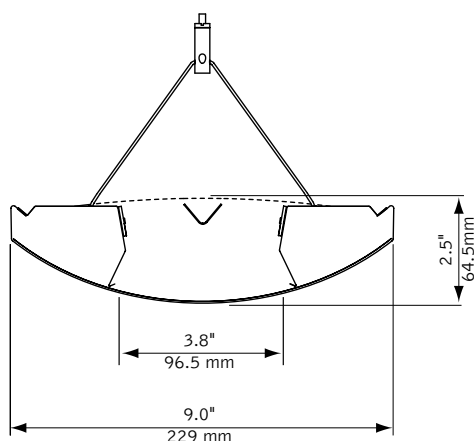
fixture information

48"
4' (4' 10")

96"
8' (8' 10")
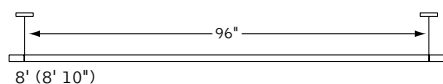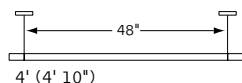
FEATURES

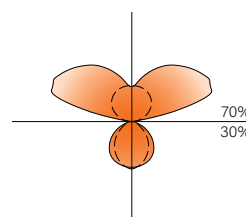Suspended linear direct/indirect LED with frosted lens.

One-piece steel housing with 5" die-cast end caps

Verve IV is an excellent choice for commercial and educational facilities.

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.

PERFORMANCE

70%
30%

4' unit
Nominal output:
750 Lumens per foot

Delivered Lumens: 3000lm

Total System Watts: 25W

PRODUCT OVERVIEW

Lumen Output: 3000-5000lm

Wattage: 25-39W

LPW: 118-128

SDCM: 3

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

SUSPENSION INFORMATION

96" | 48"
8' start | 4' end
12' (12' 10'')

96" | 96"
8' start | 8' end
16' (16' 10'')

96" | 48" | 96"
8' start | 4' intermediate | 8' end
20' (20' 10'')

96" | 96" | 96"
8' start | 8' intermediate | 8' end
24' (24' 10'')

Consult factory for additional row length information.
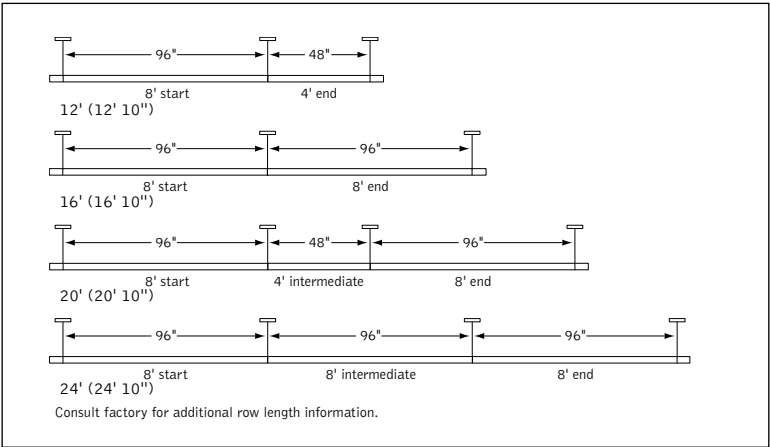
SPECIFICATIONS

LED Systems

Linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. Contact factory for additional color temperature and CRI options. LED boards and drivers are replaceable.

Construction

One-piece 20 Ga. steel housing. Die-cast 5" end cap standard. For row installation, internal brackets form hairline joint. Standard lengths are available in 4' and 8'. All luminaires are provided with Y-cable suspension mounted on 48" or 96" centers. 4' unit weight: 20 lbs., 8' unit weight: 30 lbs.

Optic

Reflector fabricated of 22 Ga. steel finished in high reflectance matte white. 24 Ga. steel beam softening filter finished in matte white powder coat. .010" thick acrylic lens.

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

Emergency Battery output—12 watts for 90 minutes. Maximum mounting height: 12.4ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, NXE1) shipped standard with leads to connect UL924 compliant device, by others. See EM/EC Guide on page 4 for default locations and ordering details.

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. Canopy finished in Matte Satin White.

Lumen Maintenance

Reported: L70 at >60,000 hours   Calculated: L70 at 162,000 hours
            L80 at >60,000 hours   L80 at 102,000 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 25ºC. 5-year limited warranty.
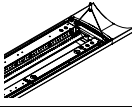
4' PERFORMANCE CHART
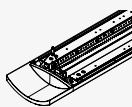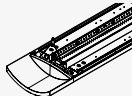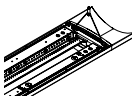
Lumens Per Foot	Delivered Lumens	System Watts	LPW
750LF	3000	25	120
875LF	3500	29	121
1000LF	4000	34	118
1125LF	4500	36	125
1250LF	5000	39	128

Based on Frosted Lens 70 indirect / 30 direct (FL70), 3500K. Shielding Multipliers: FL40 - 0.90, RB - 1.04. Color Temperature multipliers: 3000K - 1.035, 4000K - 0.975. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

ORDERING

		FV4LS
Fixture Series		
Verve IV LED	FV4LS	
Shielding		_____
Frosted Lens - 70 Indirect / 30 Direct Distribution	FL70	
Frosted Lens - 40 Indirect / 60 Direct Distribution	FL40	
Lumen Output		_____
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		_____
3000K	30K	
3500K	35K	
4000K	40K	
Circuits		1C
Single Circuit	1C	
Voltage		_____
120/277 UNV Volt	UNV	
347 Volt (LD1 only)	347	
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	D11	
Step Dimming (Not available with 750LF)	SD5	
Wattstopper DLM - 1% Dimming	DLM1	
Wattstopper Fixture Sensor* Low Density – 1% Dimming (20' run maximum.)	LMFS1	
Wattstopper Fixture Sensor* High Density – 1% Dimming (20' run maximum.)	LMFSD	
Acuity nLight - 1% Dimming	NLT1	
Encelium CLM Connected Lighting Module - 1% Dimming	CLM1	
Current NX Enabled – 1% Dimming	NXE1	
*See sensor layout guide		
Mounting		_____
24" Cable Suspension	C24	
48" Cable Suspension	C48	
96" Cable Suspension	C96	
(Add "P" for Chicago plenum. Eg: CP12) (Specify one of the following in place of "C" J - for 2" canopies at non–feed locations. CS - for sloped ceilings.)		
Factory Options		_____
Emergency Battery Pack (120/277V only)	_EM	_____
Emergency Circuit See EM/EC Guide for default locations and ordering details.	_EC	_____
Dust Cover	DST	_____
Finish		_____
Titanium Silver	TS	
Matte Satin White	WH	
Fixture Run Length		_____
4'	4'	
8'	8'	
12' (8'+4')	12'	
16' (8'+8')	16'	
20' (8'+4'+8')	20'	
24' (8'+8'+8')	24'	
(Longer run lengths available in 4' increments.)		

Verve™ IV
LED

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
legrand® WATTSTOPPER®		DLM1	LMFC-011	DLM	DLM	Enabled[1]	No	Wired	**Advance by Signify**, Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated[2]	No	Wireless	**Advance by Signify**
		LMFSD	LMFS-601						**Optotronic by eldoLED (Dexal)**
CRESTRON®		D11	Specified Driver	WaveLinx Wireless	Crestron Zūm Wireless & SpaceBuilder	Enabled[1]	No	Wired	**eldoLED ECOdrive**
		L11							**Advance by Signify**
ENCELIUM		CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled[1]	No	Wireless	**Optotronic by eldoLED** Advance by Signify
LUTRON		LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled[1]	No	Wired	**Lutron Hi-Lume**
nLIGHT		NLT1	nEPS-60-IO	nLight	nLight	Enabled[1]	No	Wired	**eldoLED ECOdrive**, eldoLED SOLOdrive
NX LIGHTING CONTROLS®		NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled[1]	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. [1]Enabled: Fixture supplied with a Node/ Controller. Sensor to be provided by others. [2]Integrated: Fixture supplied with an installed Sensor.

EM/EC Guide

VERVE IV LED - FV4LS

DEFAULT LOCATIONS

- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.

- EM/EC illuminate entire sections from 4' to 8' in length.

- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

1 EM/EC – END OF RUN

Section 1	Section 2	Section 3	Section 4	Section 5

Ordering example: FV4LS-FL70... **1EM**-WH-36ft

2 EM/EC – START & END OF RUN

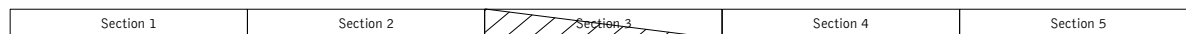| Section 1	Section 2	Section 3	Section 4	Section 5

Ordering example: FV4LS-FL70... **2EM**-WH-36ft
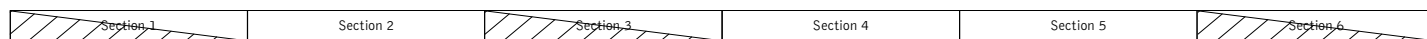
ALTERNATE LOCATIONS AND QUANTITIES

- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

ONE EM IN 3RD SECTION

Section 1	Section 2	Section 3	Section 4	Section 5

Ordering example: FV4LS-FL70... **1EM-3**-WH-40ft

THREE EM IN 1ST, 3RD AND 6TH SECTIONS

Section 1	Section 2	Section 3	Section 4	Section 5	Section 6

Ordering example: FV4LS-FL70... **3EM-1-3-6**-WH-48ft

CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.

- Longer lead times may apply.

Run length (ft)	Housing Configuration Section Lengths
12	8 + 4
16	8 + 8
20	8 + 4 + 8
24	8 + 8 + 8
28	8 + 8 + 8 + 4

Run length (ft)	Housing Configuration Section Lengths
32	8 + 8 + 8 + 8
36	8 + 8 + 8 + 8 + 4
40	8 + 8 + 8 + 8 + 8
44	8 + 8 + 8 + 8 + 8 + 4
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.