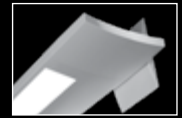


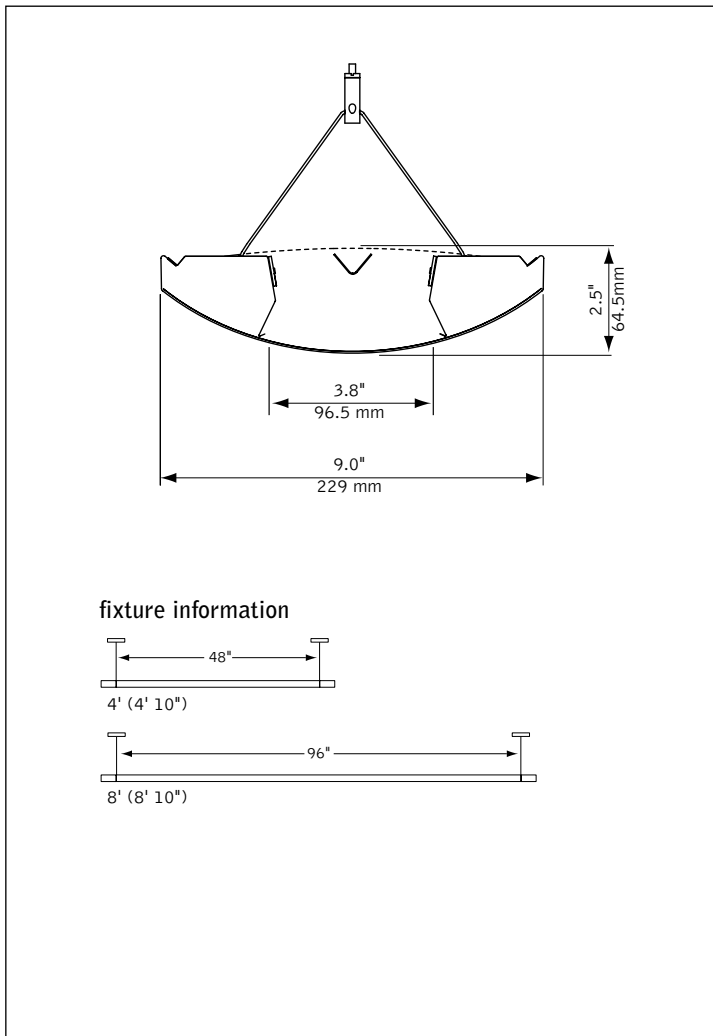
# Verve™ IV

LED



wall mount companion

## DIMENSIONAL DATA



## FEATURES

Suspended linear direct/indirect LED with frosted lens.

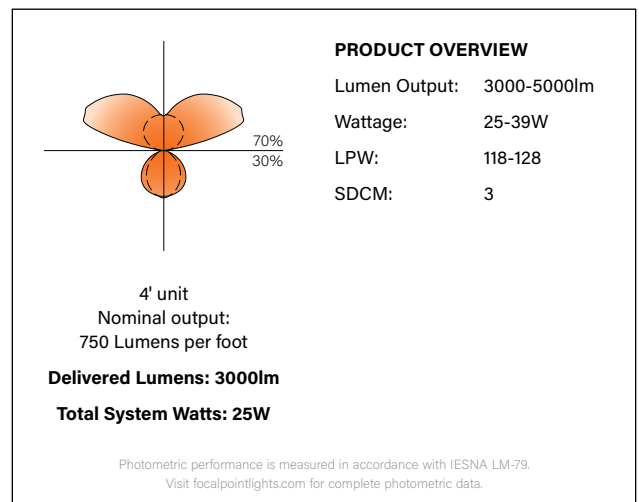
One-piece steel housing with 5" die-cast end caps

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.

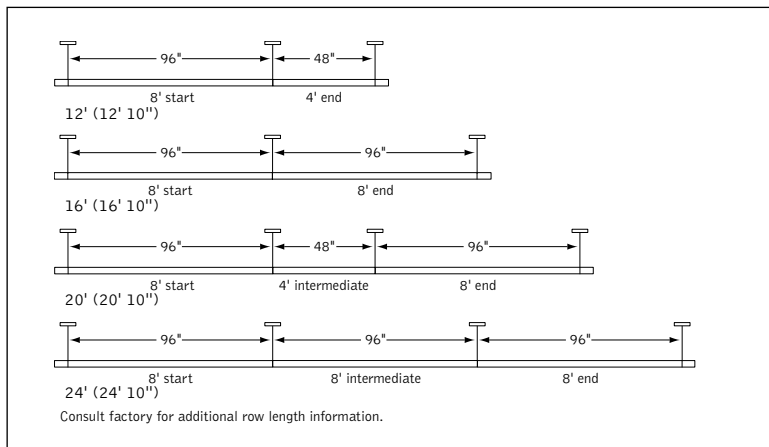
## PERFORMANCE



fixture:

project:

**SUSPENSION 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, LMFS1, NLT1, ENL1, 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 25°C. 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**

**Fixture Series**

Verve IV LED FV4LS

**Shielding**

Frosted Lens - FL70  
 70 Indirect / 30 Direct Distribution

Frosted Lens - FL40  
 40 Indirect / 60 Direct Distribution

**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**

Single Circuit 1C

**Voltage**

120/277 UNV UNV

347 Volt 347

(LD1 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

Step Dimming SD5

(Not available with 750LF)

Wattstopper DLM - 1% Dimming DLM1

Wattstopper Fixture Sensor\* LMFS1

Low Density - 1% Dimming

(20' run maximum.)

Wattstopper Fixture Sensor\* LMFS1

High Density - 1% Dimming

(20' run maximum.)

Acuity nLight - 1% Dimming NLT1

Enlighted Smart Sensor - 1% Dimming\* ENL1

(20' run maximum.)

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 \_EM

(120/277V only)

Emergency Circuit \_EC

See EM/EC Guide for default

locations and ordering details.)

Dust Cover DST

**Finish**

Titanium Silver TS

Matte Satin White WH

**Fixture Run Length**

4' 4'

8' 8'

12' (8'+4') 12'


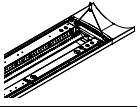



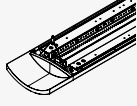





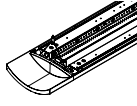

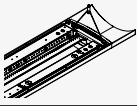





16' (8'+8') 16'

20' (8'+4'+8') 20'

24' (8'+8'+8') 24'

(Longer run lengths available in 4' increments.)

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	
 <b>legrand</b> <sup>®</sup> WATTSTOPPER <sup>®</sup>		DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	<b>Advance by Signify</b> , Optotronic by eldoLED
		LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	<b>Advance by Signify</b>
	LMFSD	LMFS-601	<b>Optotronic by eldoLED (Dexal)</b>						
 <b>CRESTRON</b>		D11	Specified Driver	WaveLinx Wireless	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	<b>eldoLED ECOdrive</b>
		L11							<b>Advance by Signify</b>
 <b>ENCELIUM</b>		CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	<b>Optotronic by eldoLED</b> Advance by Signify
 <b>Enlighted</b>		ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	<b>Advance by Signify</b>
 <b>LUTRON</b>		LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	<b>Lutron Hi-Lume</b>
 <b>nLIGHT</b>		NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	<b>eldoLED ECOdrive</b> , eldoLED SOLOdrive
									Wired 
 <b>NX LIGHTING CONTROLS</b>		NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 	<b>Optotronic by eldoLED</b>

\*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.

# EM/EC Guide

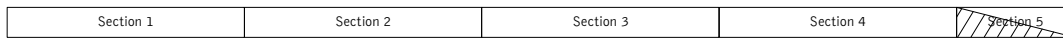


## VERVE IV LED - FV4LS

### 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



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

### 2 EM/EC - START & END OF RUN

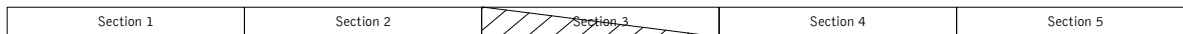


Ordering example: FV4LS-FL70... **2EM-WH-36ft**

### ALTERNATE LOCATIONS AND QUANTITIES

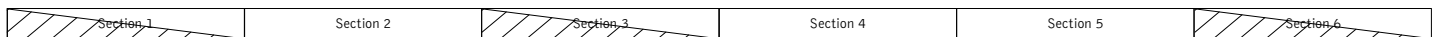
- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

### ONE EM IN 3<sup>RD</sup> SECTION



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

### THREE EM IN 1<sup>ST</sup>, 3<sup>RD</sup> AND 6<sup>TH</sup> SECTIONS



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.