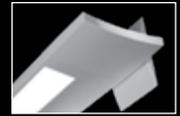


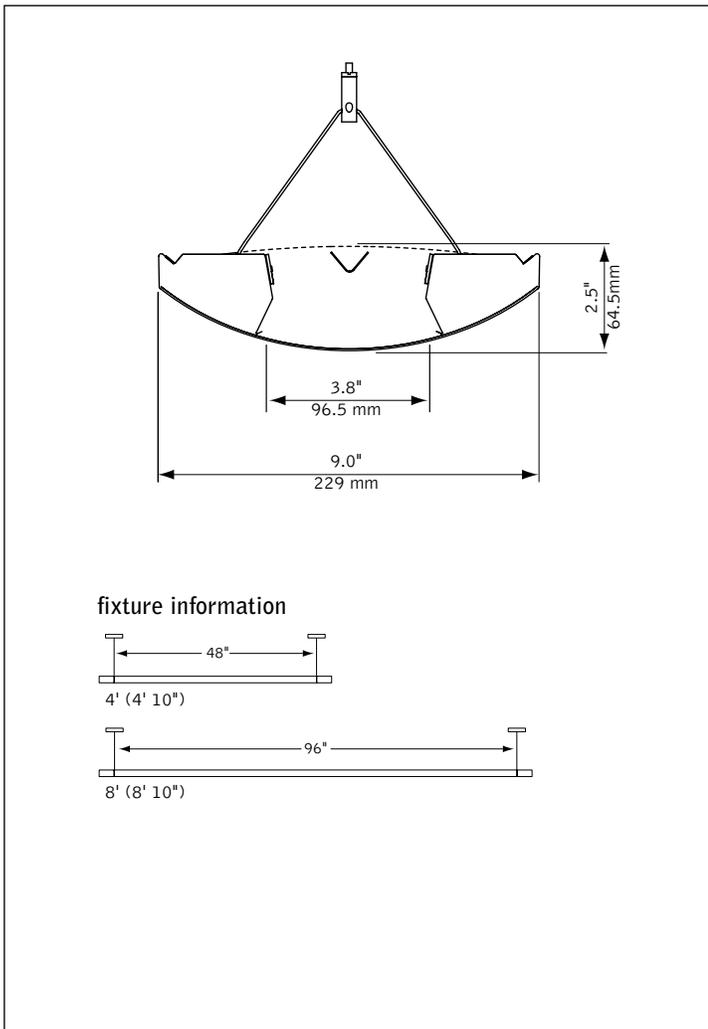
# Verve IV

LED



wall mount companion

## DIMENSIONAL DATA



## FEATURES

Suspended linear direct/indirect LED with frosted lens.

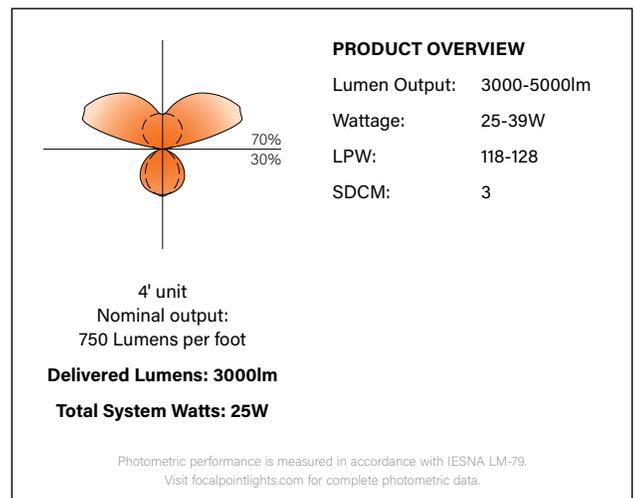
One-piece steel housing with 5" die-cast end caps

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.

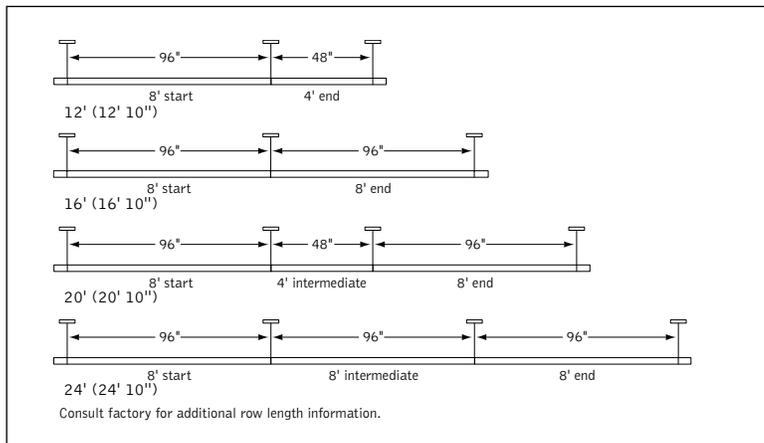
## PERFORMANCE



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 (WSPC, NLT1, 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**

<b>Fixture Series</b>	<b>FV4LS</b>
Verve IV LED	FV4LS
<b>Shielding</b>	
Frosted Lens -	FL70
70 Indirect / 30 Direct Distribution	
Frosted Lens -	FL40
40 Indirect / 60 Direct Distribution	
<b>Lumen Output</b>	
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
<b>Color Temperature</b>	
3000K	30K
3500K	35K
4000K	40K
<b>Circuits</b>	<b>1C</b>
Single Circuit	1C
<b>Voltage</b>	
120/277 UNV Volt	UNV
347 Volt (LD1 only)	347
Low Voltage	LV
<b>Control System &amp; Dimming Level</b>	
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 PLUS: Connected Light Module (Grid only. 0-10V standard. Consult factory for DALI.)	WSPC
Acuity nLight - 1% Dimming	NLT1
Current NX Enabled - 1% Dimming <a href="#">*See sensor layout guide</a>	NXE1
<b>Mounting</b>	
24" Cable Suspension	C24
48" Cable Suspension	C48
96" Cable Suspension (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.)	C96
<b>Factory Options</b>	
Emergency Battery Pack (120/277V only)	_EM
Emergency Circuit See EM/EC Guide for default locations and ordering details.)	_EC
Dust Cover	DST
<b>Finish</b>	
Titanium Silver	TS
Matte Satin White	WH
<b>Fixture Run Length</b>	
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 broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks <small>(Not all compatible networks may be listed)</small>	Description	Occupancy & Daylight	Communication to Luminaire	Drivers <small>(Primary drivers are listed in bold. To specify a particular driver please consult factory.)</small>	Driver Type
WATTSTOPPER®									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	<b>Optotronic by eldoLED</b>	0-10V
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	<b>eldoLED ECOdrive, eldoLED SOLOdrive</b>	0-10V

†Enabled: Luminaire supplied with a node/controller. Sensor to be provided 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

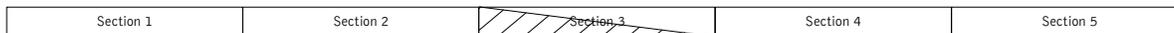


Ordering example: FV4LS-FL70... **2EM-WH-36ft**

### 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.