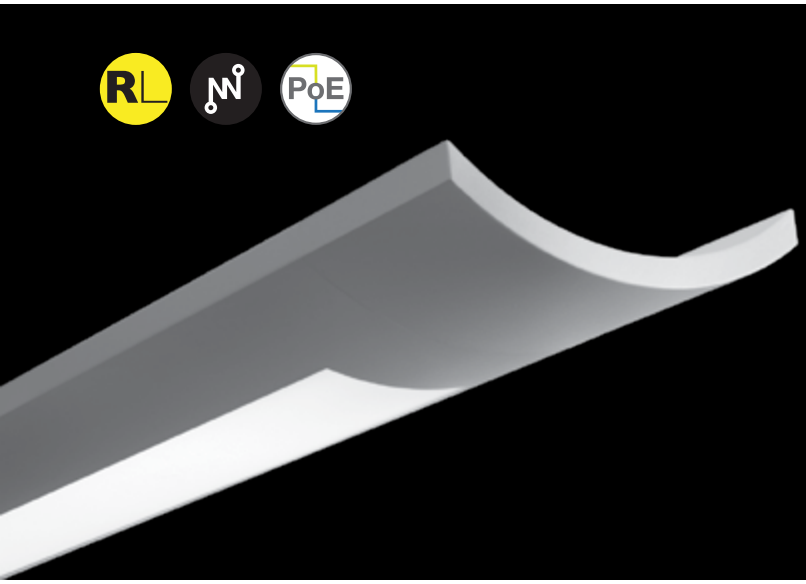
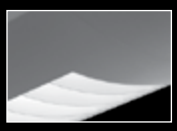
Verve™ IV

LED

FOCAL POINT®

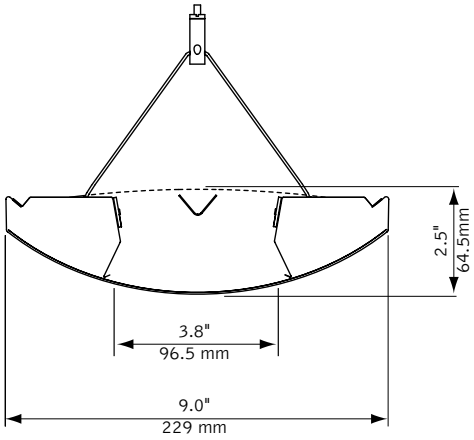




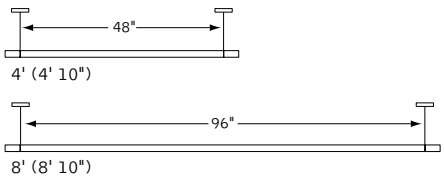
radial blade baffle

wall mount companion

DIMENSIONAL DATA



fixture information



FEATURES

Suspended linear direct/indirect LED with frosted lens or Radial Baffle options.

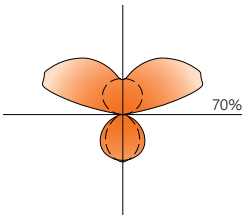
One-piece steel housing with 5" die-cast end caps

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



4' unit, Frosted Lens
Nominal output:
750 Lumens per foot

Delivered Lumens: 3000lm

Total System Watts: 25W

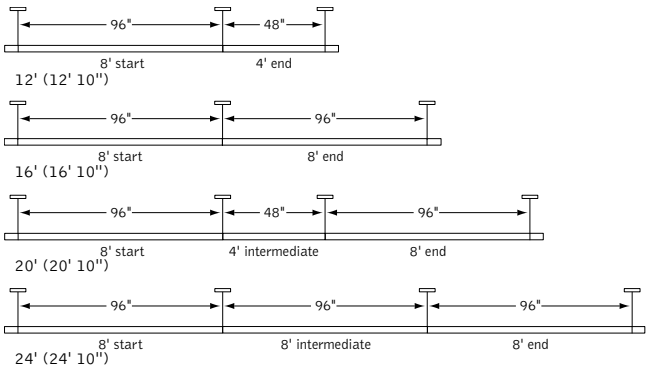
PRODUCT OVERVIEW

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.

fixture: project:

SUSPENSION INFORMATION



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 (NLT1, ENL1, CLM1, CLMZ1, DLM1) 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
L80 at >60,000 hours

Calculated: L70 at 162,000 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		**FV4LS**
Verve IV LED	FV4LS	
Shielding		_____
Frosted Lens - 70 Indirect / 30 Direct Distribution	FL70	
Frosted Lens - 40 Indirect / 60 Direct Distribution	FL40	
Radial Blade Baffle - White with frosted acrylic overlay 70 Indirect / 30 Direct Distribution	RB	
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	
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)	LVN	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI - 1% Dimming	D11	
Step Dimming (Not available with 750LF)	SD5	
Acuity nLight - 1% Dimming	NLT1	
Enlighted Smart Sensor - 1% Dimming	ENL1	
Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming (Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only)	CLM1	
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (Not compatible with Osram ENCELIUM systems)	CLMZ1	
Wattstopper DLM - 1% Dimming	DLM1	
Mounting		_____
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	
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.)

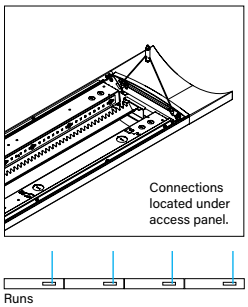
Focal Point LLC reserves the right to change specifications for product improvement without notification.

CONNECTED™ SOLUTIONS

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.†



nLIGHT

nLight® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

Acuity nLight - 1% Dimming (NLT1)
Acuity Model #nEPS-60-IO

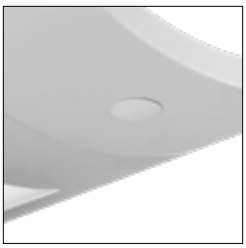
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.

enlighted

A Siemens Company

Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-5E-IOT

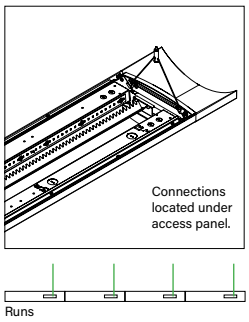


OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™, and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1 & CLMZ1)
Osram Model #ZBHA-CLM DIM

Serial labels will be provided on outside of luminaires and control unit.

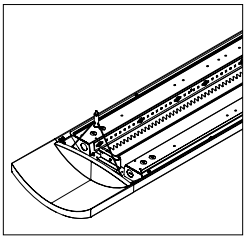


legrand® WATTSTOPPER®

A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

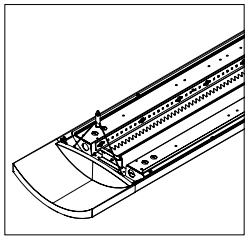
Segment Network Wire provided by others. Serial labels will be provided on outside of luminaires and control unit.



LUTRON®

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5



CRESTRON®

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Zūm wireless and SpaceBuilder working with Zūm hub scheduling or FUSION management.

DALI - 1% Dimming (D11)
0-10V - 1% Dimming (L11)
Note: 0-10V is not a digital network but is compatible with Creston Zūm™ system.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	**eldoLED ECOdrive (DALI), Advance by Signify (0-10V)**
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	**Advance by Signify,** Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Advance by Signify,** Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume Lutron 5-Series**
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	**Osram Optotronic**
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	**Osram Optotronic**

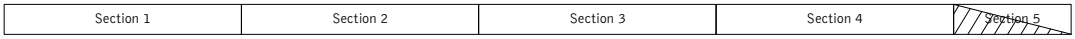
*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold.** To specify a particular driver please consult factory.
†Controls systems supplied by others.

EM/EC Guide

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

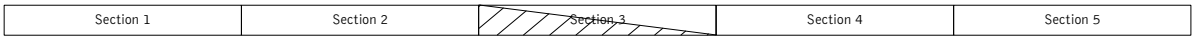
2 EM/EC – START & END OF RUN

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 3RD SECTION



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

THREE EM IN 1ST, 3RD AND 6TH 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