



V-Line Gen 4, V4290

Miniature High Output LED Luminaire, Wet Location

PATENTS
PENDING

PRODUCT HIGHLIGHTS

- 5 Watts / Ft.
- 20-30V DC Input
- 0 to 100% Dimming
- 11", 16", 22", 32", 42", 48" Lengths
- 0.6" x 0.6" Profile
- 65° Emitting Angle
- Flexible Mounting Options
- Wet Location
- Indoor-Only Model Available

SPECIFICATIONS

SUITABLE ENVIRONMENTS



LED COLORS

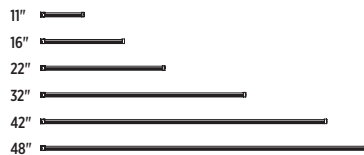
- Cool White
- Neutral White
- Warm White

FINISH



Black

LENGTHS



BEAM ANGLES



CERTIFICATIONS



Features

■ RUGGED DESIGN, WET LOCATION

V-Line Gen 4 luminaires are 100% leak-tested, functionally tested, and burned in for 24 hours prior to shipment. Premium materials and ruggedized construction include Mil-Spec anodized aluminum construction and UV-resistant acrylic lens.

■ TIGHT LED SPACING, ADVANCED OPTICS

The V4290's incredibly small cross-section and tight 1" LED spacing enables high output and consistent illumination in very small spaces.

■ SMARTDRIVER™ INTEGRATED

Onboard electronic regulation ensures current consistency and management of the LED source. Accepting a wide range of voltage, the V4290 provides 100% light output, even over long runs and when connected to DC battery systems (e.g., Marine, Transit, & Off-Grid).

■ 0 TO 100% DIGITAL DIMMING

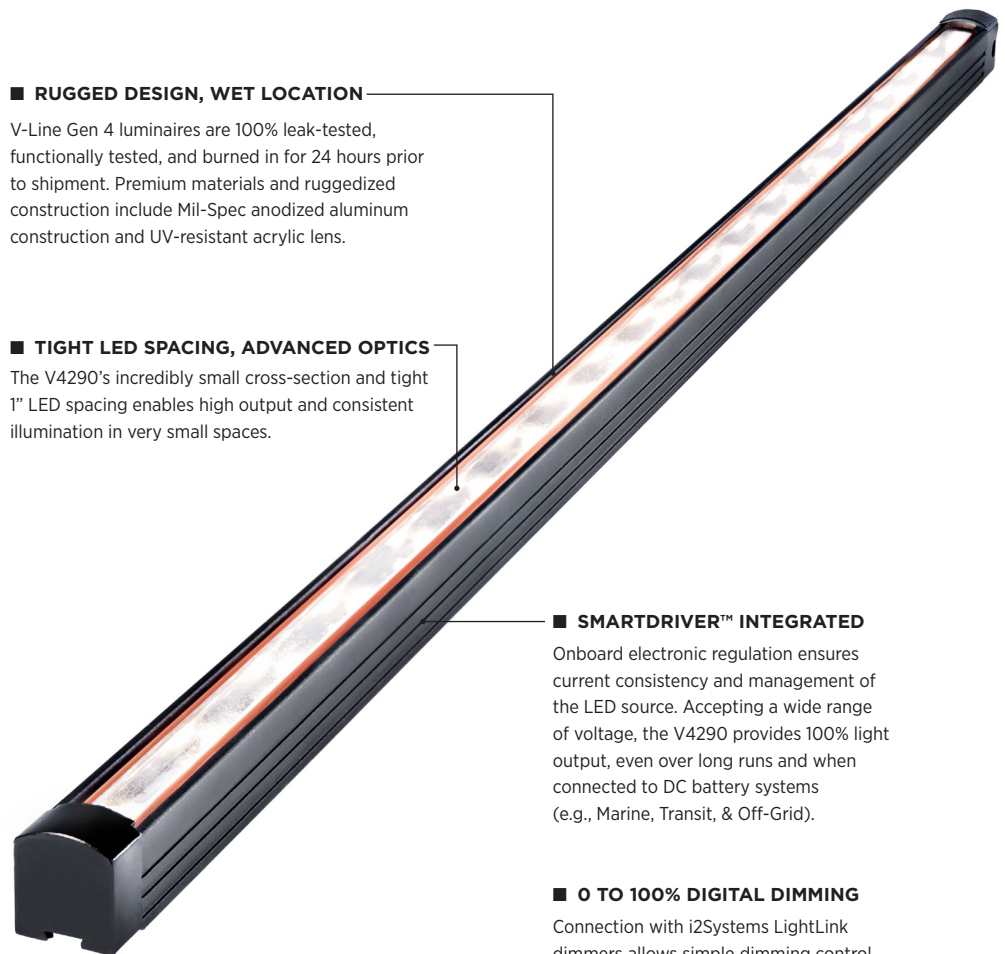
Connection with i2Systems LightLink dimmers allows simple dimming control in order to optimize lighting effects and dim to low levels without flicker.

■ FLEXIBLE MOUNTING OPTIONS

Stainless Steel brackets (not shown) are available in adjustable or fixed options (see next page). Snap-on design allows installation to any position along the fixture.

■ ACTIVE THERMAL MANAGEMENT

The V4290 fixture will dim upon overheating, protecting the LEDs and your investment.



*Refer to Specifications table on page 2 for additional information.

SPECIFICATIONS

ITEM	PARAMETER	VALUE
Electrical	Input Power	4.5W/11", 7W/16", 9W/22", 14W/32", 18W/42", 20W/48"
	Input Voltage Range	20-30V DC, 24V DC Nom.
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Transient Protection, Reverse Polarity, Autoreset Fuse, Protected Dim Line, Active Thermal Management
Optical	Emitting Angle	65°
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per Fixture	1
	Class	Class 2 LED Product
Physical	Dimensions	Refer to drawings on right
	Housing Construction	Aluminum
	Lens Material	Polycarbonate
	Lengths	11", 16", 22", 32", 42", 48"
	Finishes	Black
	Mounting Method	Adjustable, Fixed, or Fixed End Dovetail
	Operating Temp. Range	-20°C to 40°C, Max. Case Temp (Tc): 50°C
	Humidity	0 to 95%, non-condensing
	Environment	Dry, Damp, Wet**
	Certification	FCC Part 15, cULus (US & Canada), RoHS Compliant

*Due to constant power design, input current (Iin) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

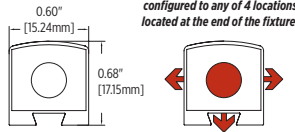
**Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronics grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity ratings and/or applications where product is subject to water runoff or downspouts.

DIMENSIONS

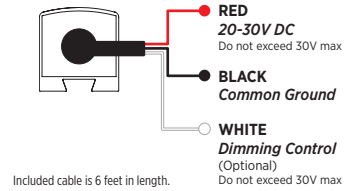
Lengths



End

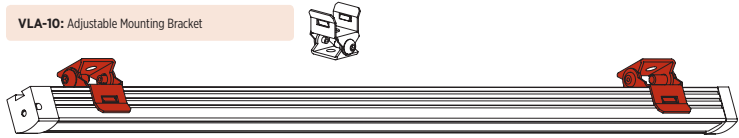


WIRE FUNCTION

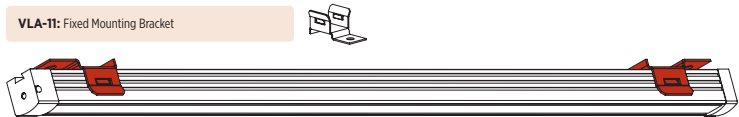


MOUNTING

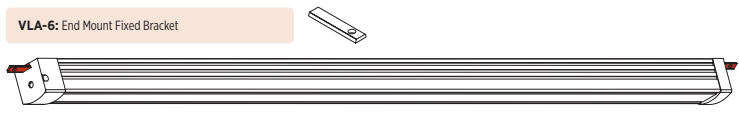
VLA-10: Adjustable Mounting Bracket



VLA-11: Fixed Mounting Bracket



VLA-6: End Mount Fixed Bracket



ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX
Adjustable Mounting Bracket	VLA-10	Stainless Steel Adjustable Mounting Bracket w/ Stainless Steel Mounting Screw, Snap On Installation to Fixture Housing.	
Fixed Mounting Bracket	VLA-11	Stainless Steel Fixed Mounting Bracket w/ Stainless Steel Mounting Screw, Snap On Installation to Fixture Housing.	
End Mount Fixed Bracket	VLA-6	Fixed Aluminum Mounting Bracket w/ Stainless Steel Screws. Mates with Dovetail Slots on Fixture Ends.	
LightLink LL-101	LL-101 Series	Dimming Controller, Multiple Interfaces, including Momentary (MOM) Switch Interface.	Dims up to 20 Feet of V4290
LightLink LL-105-R	LL-105-R Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Feet of V4290
LightLink LL-205	LL-205 Series	Dimming Controller, Multiple Interfaces including Incandescent Triac Type Dimmers.	Dims up to 50 Feet of V4290
E05 Power Box, 75W	PS24V75W-E05	Power Box, 75W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure.	Powers up to 16 Feet of V4290
E01D Power Box, 45W	PS24V45W-E01D	Power Box, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 10 Feet of V4290
E01D Power Box, 75W	PS24V75W-E01D	Power Box, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 16 Feet of V4290
E01D Power Box, 120W	PS24V120W-E01D	Power Box, 120W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 24 Feet of V4290
E02 Outdoor Box, 75W	PS24V75W-E02	Outdoor Power Box, 75W, 120/240/277VAC Input, 24VDC x 1 Output, Stainless Steel NEMA 4 Enclosure.	Powers up to 16 Feet of V4290
E02 Outdoor Box, 150W	PS24V150W-E02	Outdoor Power Box, Dual Power Supply, 75W x 2, 120/240/277VAC Input, 24VDC x 2 Output, Stainless Steel NEMA 4 Enclosure.	Powers up to 32 Feet of V4290

BUILDING A 120V AC LED LINEAR SYSTEM

Baseline System



For dimming installations, maximum recommended distance between the Power Box and the V4290 Luminaires is 30 feet.

ORDERING NUMBER

FACTORY NUMBER EXAMPLE: **V4290A-26CBBI**
 USER SELECTED OPTION 22" Length, 65 Degree Beam Angle, Warm White LED, Indoor Model

V4290A	-	*	6	*	XXX	*
Product Type	Length	Beam Angle	LED Color	Color Bin Code	Indoor / Outdoor	
	1 - 11"	6 - 65°	<input type="radio"/> A Cool White <input type="radio"/> B Neutral White <input type="radio"/> C Warm White		I - Indoor Blank - Outdoor Add 'I' at end of part number for Indoor model. Leave blank for default Outdoor model.	
	8 - 16"					
	2 - 22"					
	3 - 32"					
	4 - 42"					
	5 - 48"					