

WIDE LATERAL THROW
Patented optical system provides even light distribution

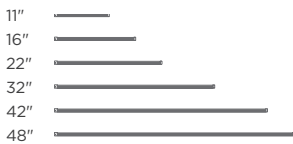
ONLY 0.6" THICK
Rugged design, advanced features



V-Line® Gen4

DIMMABLE LED LINEAR LUMINAIRE / MODEL V4290

The V-Line Gen4 offers high-performance, small-size linear illumination for premium yacht lighting and wall washing. Incredibly rugged by design with premium materials and fully dimmable.



FEATURES

A Perfect Blend

Patented optical system provides close-to-fixture illumination with short mixing distance and blended color.

Dimmable

Using our LightLink™ Dimmers, experience simple, smooth LED dimming.

Protected

Onboard SmartDriver™ and Active Thermal Management™ offer a level of fixture protection not found anywhere else.

A Lighting Instrument

Ruggedized aluminum extruded housing, premium anodized finish, and engineered brackets offer solid construction and maximum versatility.



Typical Applications

- Valance
- Cove
- Wall Wash
- Compartment

Quick Specs

5W	Power / Foot
225	Lumen Output / Foot Typ
65°	Beam Angle

LED Color

- 3000°K Warm White
- 4000°K Neutral White
- 5700°K Cool White
- Red
- Green
- Blue

Housing

- Black Mil-Spec Anodized Aluminum

Mounting

- Adjustable, Fixed & End-Mount Brackets

The V-Line is a miniature dimmable LED linear luminaire. Its incredibly small cross-section and tight LED spacing enables high output and consistent illumination in very small spaces. Rugged construction includes mil-spec anodized aluminum and UV-resistant acrylic lens.

US 8,255,487 | US 8,264,172
Additional Patents Pending

CUSTOMER COMPANY

CUSTOMER CONTACT

P.O.#

CUSTOMER PHONE #

SHIPPING ADDRESS

FIXTURE BUILDER

V4290B	-		6		I
FIXTURE TYPE	LENGTH	BEAM ANGLE	LED COLOR	APPLICATION	
V-Line	1 11" 8 16" 2 22" 3 32" 4 42" 5 48"	6 65°	AAG Cool White 5700°K BBD Neutral White 4000°K CBB Warm White 3000°K D Green E Blue H Red	<input checked="" type="checkbox"/> Indoor	

ACCESSORIES

DIMMING CONTROL		BRACKETS	
LIGHTLINK		BRACKETS	
<input type="checkbox"/> LL-101	Momentary Switch Dimmer	<input type="checkbox"/> VLA-10	Adjustable
<input type="checkbox"/> LL-205-10V	0-10V Bridge & Dimmer	<input type="checkbox"/> VLA-11	Fixed
		<input type="checkbox"/> VLA-6	End Mount Fixed

LightLink Dimmers dim up to 50 Feet of V-Line using a single control wire for dimming.

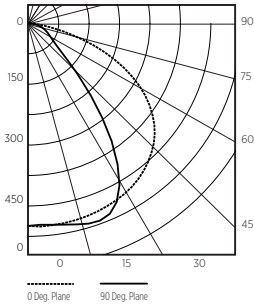
See below for additional dimming information and wiring diagrams.

QUICK SPECS

Input Voltage	20-30V DC
Power / Ft	5 Watts
Lumens / Ft	225 lms typ. @ 3000°K
Efficiency	44.9 lms / W typ. @ 3000°K
Beam Angle	65°
Operating Temp	-20°C to 40°C
Max. Case Temp	50°C
Wiring	6 Ft, 22AWG Cable
Housing	Mil-Spec Anodized Aluminum
Lens	UV-Resistant Acrylic

PHOTOMETRICS

V-LINE (V4290B-56CBB) RESULTS



Mounting Height	fc @ Center Beam	Diameter of Lighted Plane
1.0 ft	490.0 fc	1.1 ft
2.0 ft	122.5 fc	2.3 ft
3.0 ft	54.4 fc	3.4 ft
4.0 ft	30.6 fc	4.5 ft
5.0 ft	19.6 fc	5.7 ft
6.0 ft	13.6 fc	6.8 ft
7.0 ft	10.0 fc	8.0 ft
8.0 ft	7.7 fc	9.1 ft

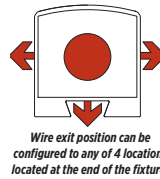
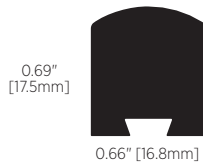
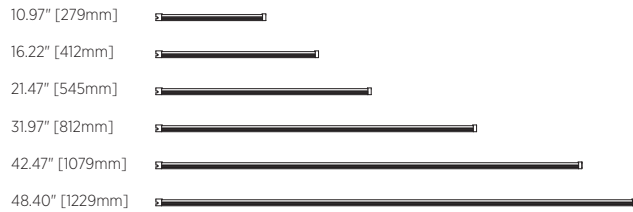
for lux, multiply by 10.8

Multiplier Table

3000°K	4000°K	5700°K
	x1.2	x1.3

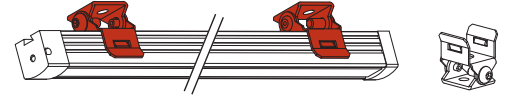
All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

DIMENSIONS

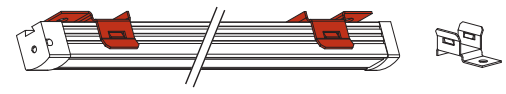


MOUNTING

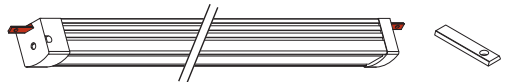
VLA-10: Adjustable Mounting Bracket



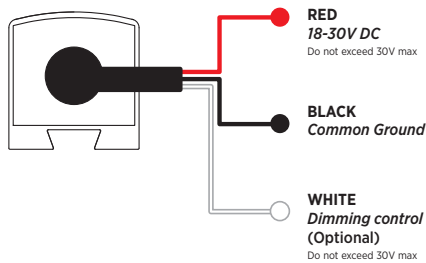
VLA-11: Fixed Mounting Bracket



VLA-6: End-Mount Fixed Mounting Bracket



WIRE FUNCTION



LIGHTLINK™ See wiring examples below.

Using 3rd Party Multiplex & PWM Dimmers:

The White Dimming Control wire is engineered to work with i2Systems LightLink™ Dimmers and 3rd party PWM type dimmers.

To use a 3rd party PWM dimmer, drive the White Dimming Control Wire using a Pulse Width Modulation (PWM) Controller. By driving the White Dimming Control Wire Low to DC Common, the Fixture turns off. By driving the White Dimming Control Wire High to DC Positive (i.e. +24V), or by allowing the wire to Float (no connection), the Fixture turns on to 100%.

The PWM signal must be a Square Wave at a fixed frequency and a maximum voltage of 30V DC. Frequency range may be between 100Hz and 500Hz (user selected). A wiring example is shown on the last page of this spec sheet.

PROTECTION FEATURES

Active Thermal™

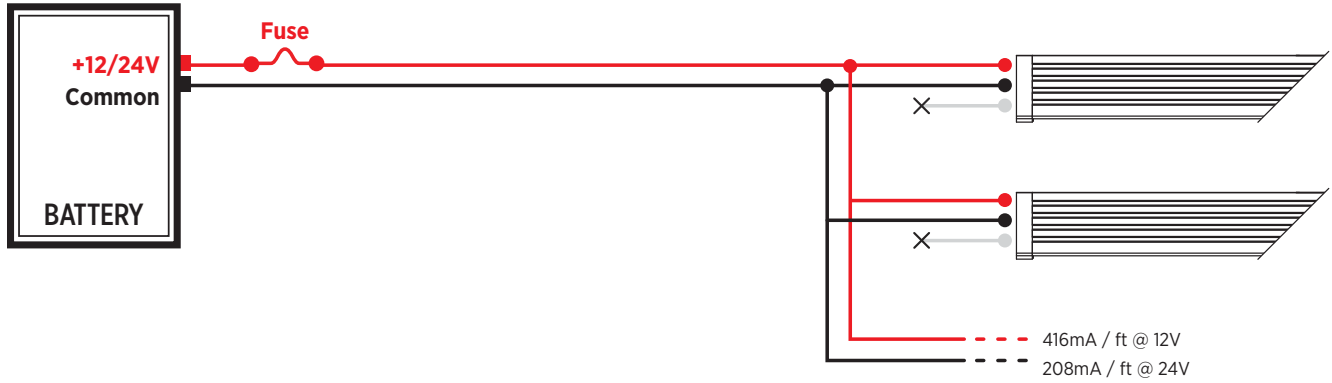
Active Thermal dims the V-Line to help reduce the risk of overheating.

Electrical Protection

- Dim Line Protected to 30V DC
- Reverse Polarity Protection
- Auto-Reset Fuse

WIRING EXAMPLE

12/24V DC NO DIMMING



WIRING EXAMPLE

12/24V DC PUSH BUTTON SWITCH DIMMING

