**V-Line® Gen4 V4290**

**Miniature High Output LED Luminaire**

**PRODUCT HIGHLIGHTS**

- 5 Watts / Ft.
- 20-30V DC Input
- 0 to 100% Dimming
- 11”, 16”, 22”, 32”, 42”, 48” Lengths
- Active Thermal Management
- 0.66” x 0.69” Profile
- 65° Emitting Angle
- Flexible Mounting Options

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**SPECIFICATIONS**

**SUITEABLE ENVIRONMENTS**

- Dry
- Damp

**LED COLORS**

- Cool White
- Neutral White
- Warm White

**FINISH**

- Black

**LENGTHS**

- 11”
- 16”
- 22”
- 32”
- 42”
- 48”

**BEAM ANGLES**

- 65°

**CERTIFICATIONS**

- FCC
- UL
- RoHS

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**Features**

- **RUGGED DESIGN**
  V-Line Gen 4 luminaires are 100% 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.

- **BOARD RTO TECHNICAL**

- **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 24V 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**
  Onboard Active Thermal Management anticipates and protects against overheating by gradually dimming the V4290 to a calculated intensity.*

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*A wet location model is available.*
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PARAMETER</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical</strong></td>
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<td></td>
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<tr>
<td></td>
<td>Input Power</td>
<td>4.5W/11”, 7W/16”, 9W/22”, 14W/32”, 16W/42”, 20W/48”</td>
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<tr>
<td></td>
<td>Input Voltage Range</td>
<td>20-30V DC, 24V DC Nom.</td>
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<tr>
<td></td>
<td>Integrated Driver</td>
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<td></td>
<td>O-100% Dimming</td>
<td>✓</td>
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<td><strong>Optical</strong></td>
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<td>Emitting Angle</td>
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<td>LED Color</td>
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<td>LED Colors per Fixture</td>
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<td>Class</td>
<td>Class 2 LED Product</td>
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<tr>
<td><strong>Physical</strong></td>
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<tr>
<td></td>
<td>Dimensions</td>
<td>Refer to drawings on right</td>
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<tr>
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<td>Housing Construction</td>
<td>Aluminum</td>
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<td></td>
<td>Lens Material</td>
<td>Acrylic</td>
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<tr>
<td></td>
<td>Lengths</td>
<td>11”, 16”, 22”, 32”, 42”, 48”</td>
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<td></td>
<td>Finishes</td>
<td>Black</td>
</tr>
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<td>Mounting Method</td>
<td>Adjustable, Fixed, or Fixed End Dovetail</td>
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<td></td>
<td>Operating Temp. Range</td>
<td>-20°C to 40°C, Max. Case Temp (Tc): 50°C</td>
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<td>Humidity</td>
<td>0 to 95%, non-condensing</td>
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<td>Environment</td>
<td>Dry, Damp**</td>
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<td>Certification</td>
<td>FCC Part 15, Class A, cULus (US &amp; Canada), RoHS Compliant</td>
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</table>

* 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.

** A Wet Location Model of the V4290 is available. Refer to V4295.

### DIMENSIONS

**Lengths**
- 10-3/8” (270mm)
- 16-27/32” (423mm)
- 21-25/32” (546mm)
- 31-5/8” (803mm)
- 40-47/64” (1029mm)
- 46-53/64” (1234mm)

**MOUNTING**

**VLA-10:** Adjustable Mounting Bracket

**VLA-11:** Fixed Mounting Bracket

**VLA-6:** End-Mount Fixed Bracket

### BUILDING A 120V AC LED LINEAR SYSTEM

**Baseline System**

**EDSP Power Box**

**V-Line V4290** (up to 16 linear feet)

Maximum recommended distance between the Power Box and the last V4290 Luminaire is 30 feet using 16awg wire.

### ORDERING NUMBER

- FACTORY NUMBER
- USER SELECTED OPTION

**EXAMPLE:** V4290A-26CBBI

**22” Length, 65 Degree Beam Angle, Warm White LED**

**V4290A**

- **Length**
  - 1”
  - 8”
  - 10”
  - 22”
  - 32”
  - 42”
  - 48”

- **Beam Angle**
  - 6°-65°

- **LED Color**
  - A Cool White
  - B Neutral White
  - C Warm White

- **Color Bin Code**
  - XXX

**Example:**

- **Product Type:** V4290A
- **Length:** 12”
- **Beam Angle:** 6°-65°
- **LED Color:** C Warm White
- **Color Bin Code:** XXX