

VANESSA combines high-end architectural styling with precision engineering to create a strong, elegant wet-location luminaire designed to complement wet exterior or interior installations.

Weather-sealing prevents water and moisture from entering the lens, power entry points and end-caps. Constructed of heavy gauge extruded aluminum, precision machined smooth end-caps and extruded acrylic lenses, VANESSA is built to last while withstanding elements associated with wet-location applications.

VANESSA is available as LED and single or double T5 or T8, or single T5HO linear fluorescent lamps. 2', 3', 4', 6' and 8' nominal lengths are standard, continuous runs are available.



UL and c-UL listed for wet locations.



Made in the USA

## FIXTURE SPECIFICATIONS

### Construction

Heavy gauge square extruded aluminum housing. Precision-machined aluminum end-caps. Extruded acrylic lenses. Stainless steel hardware. Concealed weather-seal gaskets at end caps, lens and power entry on all stand-alone or continuous run fixtures with an IP65 rating. Feed points accept 1/2" trade size threaded wet location conduit fittings.

### Mounting Options

(CSS) Cable Suspension System field adjustable 1/8" aircraft cable, (WM) Wall Mount, (REC) Recessed or (CM) Ceiling Mount.

### Finishes

(SL) Silver Matte Texture, (MW) Matte White, or (FB) Flat Black. Other powder coat finishes available. Consult factory for details.

### LED Light Engine System

LED Light Engines are available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

### Dimming

Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

### Acrylic Lens Options

(FW) Frosted White impact resistant extruded lens.

### Fixture Length

Fixtures are available in 2', 3', 4', 6' and 8' nominal lengths. Continuous run mounting available featuring water-sealed gaskets within knock-outs for maintaining WL rating. See installation section for more details.

### Custom and Mods

We proudly specialize in manufacturing custom and modified luminaires and have the ability to modify most of our standard fixtures. Please contact factory with any inquiries.

www.birchwoodlighting.com

Type: \_\_\_\_\_ Job Name: \_\_\_\_\_

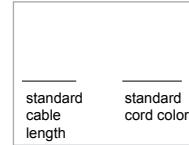
Ceiling Mount | Wall Mount | CSS

**SPECIFICATION CODE**

**VAN-LED-400**

model \_\_\_\_\_ light engine \_\_\_\_\_ color temp \_\_\_\_\_ length \_\_\_\_\_ distribution \_\_\_\_\_ mounting \_\_\_\_\_ feed \_\_\_\_\_ finish \_\_\_\_\_ lens \_\_\_\_\_ voltage \_\_\_\_\_ driver \_\_\_\_\_

CSS selections only<sup>3</sup>



Model	Light Engine	Color Temp	Nominal Length	Distribution	Mounting	Feed	Finish	Lens	Voltage	Driver	Options
<b>VAN-LED-400</b>	<b>SLO</b> - Standard Lumen Output <b>HLO</b> - High Lumen Output <b>CLO</b> <sup>4</sup> - Custom Lumen Output	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K	<b>2</b> - 2' <b>3</b> - 3' <b>4</b> - 4' <b>6</b> - 6' <sup>6</sup> <b>8</b> - 8' <sup>6</sup> <b>CR</b> <sup>1</sup> - Continuous Run	<b>DR</b> - Direct	<b>CSS</b> - Cable Suspended <b>WM</b> - Wall Mount <b>CM</b> - Ceiling Mount <b>REC</b> - Recessed	<b>STND</b> - Standard <b>EFL</b> <sup>5</sup> - End Feed Left <b>EFR</b> <sup>5</sup> - End Feed Right <b>EF2</b> <sup>5</sup> - End Feed (both ends) <b>JBE</b> <sup>5</sup> - J-box extender	Powder Coat <b>SMT</b> - Silver Matte Texture <b>MW</b> - Matte White <b>FB</b> - Flat Black <b>CUP</b> <sup>2</sup> - Custom	<b>FW</b> - Frosted White <b>D1</b> - 1% (nom) 0-10V <b>D10</b> - 10% 0-10V	<b>120</b> <b>277</b> <b>347</b> <sup>4</sup>	<b>EB</b> - Electronic (standard) Dimming <b>D1</b> - 1% (nom) 0-10V <b>D10</b> - 10% 0-10V	<b>CSS</b> <sup>3</sup> - Cable Length <b>CSS</b> <sup>3</sup> - Power Cord Color <b>EM</b> <sup>5</sup> - Emergency Inverter <b>HAT</b> <sup>7</sup> - High Ambient Temperature

[CLO Calculator](#)

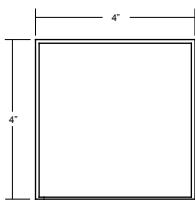
**CSS Options**

Cable Length	Power Cord Color
<b>36</b> - 36" (standard)	<b>W</b> - White
<b>72</b> - 72"	<b>B</b> - Black
<b>120</b> - 120"	<b>G</b> - Gray (standard)

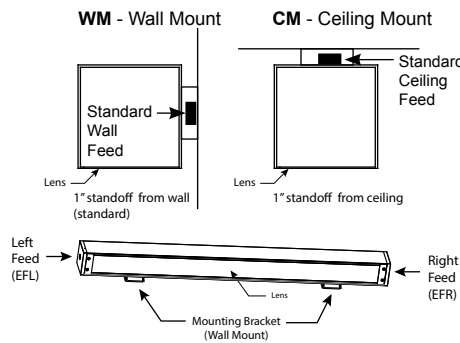
**NOTES**

- 1 specify length in nominal feet
- 2 contact factory for custom finish
- 3 see options for non-standard selections
- 4 available for EB, D1, D10 drivers only
- 5 EM's are remote mounted along with the test switch in a dry location, consult factory for more info
- 6 6' & 8' lengths are made up with (2) 3' fixtures or (2) 4' fixtures respectively
- 7 direct (DR) distribution only

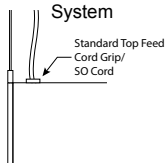
**Dimensions**



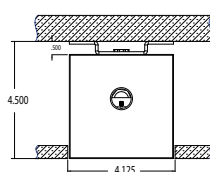
**Mounting**



**CSS - Cable Suspension System**



**REC - Recessed**



VANESSA is rated for operation with ambient temperatures not to exceed 40°C. Use specification code "HAT" for applications where ambient will be between 40° and 45°C. The "HAT" option is a thermistor which will control internal temperatures so as not to exceed internal device maximum temperature. At certain temperature thresholds, fixture will dim light output to keep internal temperatures within the acceptable range. Available for EB, D1 and D10 drivers only, consult factory for more details.

\*see [option sheet](#) for details

**LED**

**VAN-LED-400 (4000K FW lens)**

**SLO** - 89.4 lm/watt delivered @ 4.4 w/ft consumed watts, 393 lm/ft.  
**HLO** - 84 lm/watt delivered @ 9 w/ft consumed watts, 756 lm/ft.  
**CLO** - refer to [CLO Calculator](#)  
[LED supplement info](#)