



# VECTOR 2™ PENDANT

Ambient Linear LED

Client: \_\_\_\_\_  
Project Name: \_\_\_\_\_

Order #: \_\_\_\_\_  
Type: \_\_\_\_\_ Qty: \_\_\_\_\_

### Performance Data

#### CRI

95 min with R9 of 69 or better

#### CCT

2700K, 3000K, 3500K, 4000K,  
5 Channel Color Tuning

#### Projected Lifetime

240,000 Hours (L80);  
110,000 Hours (L90)

#### Dimming

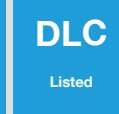
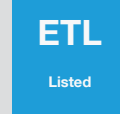
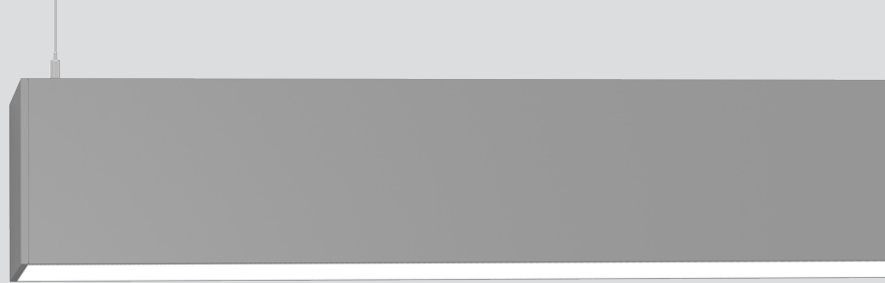
0-10V dimming standard

#### Operating Temperature

-30°C to +55°C (-22°F to +13°F)

#### ETL Listed

Approved for dry and damp  
locations



### Description

The Vector 2 is a 27/16" wide linear architectural luminaire. While the Vector has a slim and discreet profile, it provides excellent illumination for offices, laboratories, libraries, and commercial spaces. Vector is available in standard lengths of 2', 3', 4', 6', and 8', and can be joined together in seamless runs of any length in 1 foot increments.

### Features

#### PERFORMANCE

- Selected by IES for the 2017 Progress Report
- Dual Circuit (DC) option enables independent dimming and control of uplight/downlight
- Up to 1200 lm/ft direct, 1,400 lm/ft indirect at 4000K
- DLC Listed for utility rebates (see page 4)

#### PHYSICAL

- Profile Dimensions: 2.44" wide x 5" high

- End Caps: Die cast aluminum with powder coat finish
- Housing: Extruded Aluminum with powder coat finish
- Direct Lens: Extruded Satin Acrylic
- Indirect Lens: Extruded clear Acrylic
- Light Engine: Aluminum core LED board mounted to a white extruded chassis with integral driver and quick electrical disconnects for rapid tool-less servicing
- Weight: 30 pounds (8ft luminaire)

## V2P

## U



### Ordering Information

#### A FIXTURE SERIES

V2P Vector 2 Pendant

#### B DISTRIBUTION

I Direct/Indirect  
D Direct

#### C LENGTH

2	2'
3	3'
4	4'
6	6'
8	8'
Sxxx	System <sup>1</sup>

#### D OUTPUT DOWN

L	7.5W/ft
M	10W/ft
H	15W/ft

#### E OUTPUT UP\*

L	7.5W/ft
M	10W/ft
H	15W/ft

#### F CCT DOWN

27	2700K
30	3000K
35	3500K
40	4000K
5W	5 Channel Color Tuning <sup>2</sup>

#### G CCT UP\*

27	2700K
30	3000K
35	3500K
40	4000K
5W	5 Channel Color Tuning <sup>2</sup>

#### H VOLTAGE

U 120-277V

#### I MOUNTING CABLE

CA	24" Cable
CB	48" Cable
CD	60" Cable
CF	72" Cable
CG	96" Cable
CH	120" Cable
CJ	150" Cable
CK	180" Cable
CL	240" Cable

#### J FINISH<sup>5</sup>

W	Textured White
S	Textured Silver
B	Textured Black
##	Specialized Colors <sup>3,4</sup>
C	Textured Custom Colors

#### K OPTIONS

DC	Dual Circuit for Up/Down
E	Emergency
T	Daylight Sensor
U	Occupancy Sensor
V	Daylight/Occupancy Sensor
VW0	Lutron Vive System Enabled Fixture (External RF only) Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options)
VWS0	Lutron Vive System Enabled Fixture (External RF w/Occ & Daylight Sensor) Standard 0-10V X% Driver (also available with FCJS-ECO module for ES1, ES5 options)
ES1	Lutron LDE1 Series EcoSystem 1% Dimming with Soft On Fade to Black
ES5	Lutron LDE5 Series EcoSystem 5% Dimming

\*Only available when direct/indirect distribution is selected

<sup>1</sup>Replace "xxx" with desired system length, in feet. See Continuous Run Guide for additional information (separate document)

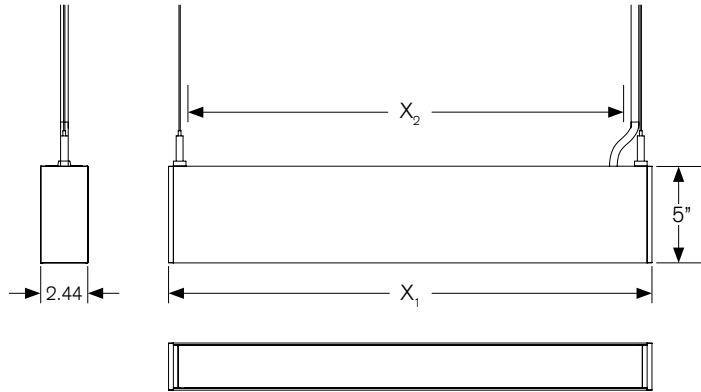
<sup>2</sup> 5 Channel Color Tuning only available at High Output setting. Controlled using DMX system (provided by customer or other vendor)

<sup>3</sup> See below for Ordering Codes on 24 Specialized Finishes. Example "07"

<sup>4</sup> Please Note: All orders under 25 linear feet will require a one-time set up charge. Please consult factory for charge.

<sup>5</sup> All finishes are textured unless specified otherwise by the customer

**Dimensions**



	2	3	4	6	8
<b>X<sub>1</sub></b>	24.32"	36.32"	48.32"	72.32"	96.32"
<b>X<sub>2</sub></b>	23.35"	35.35"	47.35"	71.35"	95.35"

**Lutron Options**

**VW0** Lutron Vive System Enabled Fixture(External RF only) Standard 0-10V X% Driver

**VWS0** Lutron Vive Wireless Fixture (External RF w/Occ & Daylight Sensor) Standard DALI X% Driver

**ES1** EcoSystem digital control, Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to- Black. Ideal for conference rooms, restaurants, lobbies, ballrooms, and lecture halls. Benefits include: All benefits of the ES5 series plus beautiful, smooth flicker-free dimming down to 1% and a Soft-on, Fade-to- Black™ feature, which provides an incandescent-like experience when transitioning from off to 1% and vice versa.

**ES5** ES5 - EcoSystem digital control, 5-Series EcoSystem LED driver. Flicker-free dimming from 100% to 5%.

Lutron Vive Lighting Control System (applies to VW0 and VWS0 options)

Lutron Vive is a revolutionary wireless lighting control solution for new and existing commercial buildings, combining a variety of lighting control strategies with controls and sensors to maximize efficiency and system flexibility. A Lutron Vive lighting control solution can reduce energy consumption by 60% or more by employing the following strategies:

- Occupancy/vacancy sensing turns lights on when occupants are in a space and off when they vacate the space.
- Daylight harvesting dims electric lights when daylight is available to light the space.
- Scheduling provides pre-programmed changes in light levels based on time of day.
- Demand response automatically reduces lighting loads during peak electricity usage times.
- Plug load control automatically turns off loads after occupants leave a space.
- High-end trim sets the maximum light level based on customer requirements in each space.
- Personal dimming control gives occupants the ability to adjust the light level.
- HVAC integration controls heating,ventilation, and air conditioning systems through contact closure, or BACnet protocol.
- System Optimization Service from Lutron identifies important lighting control adjustments to save additional energy and create a more productive work environment on an ongoing basis.

**Specialized Colors**

**A-Classic**

	01	Natural Aluminum	RAL #7035
	02	Silver Bullet	RAL #7038
	03	Raven	RAL #9005
	04	Crystal White	RAL #9010
	05	Macademia	RAL #9003
	06	Hampden	RAL #9001
	07	London	RAL #7044

**B-Urban**

	08	Urban Native	RAL #8025
	09	Military Green	RAL #6011
	10	Carmin	RAL #8028
	11	Chocolate Spice	RAL #8017
	12	Asher Grey	RAL #7004
	13	Tech Grey	RAL #7016
	14	Slate	RAL #7031
	15	Mason	RAL #7039

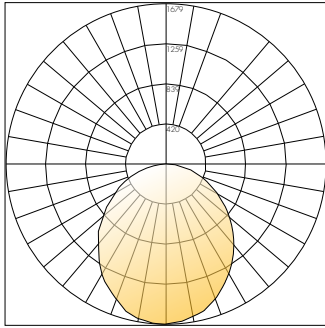
**C-Fresh**

	16	Violet Dreams	RAL #4006
	17	Sangria Sunset	RAL #2004
	18	Deep Pink	RAL #4010
	19	Ruby Red	RAL #3027
	20	Island Skye	RAL #6027
	21	Sophia	RAL #5015
	22	Antique Spring	RAL #6019
	23	Daisy	RAL #1018
	24	Gun Metal	RAL #7024

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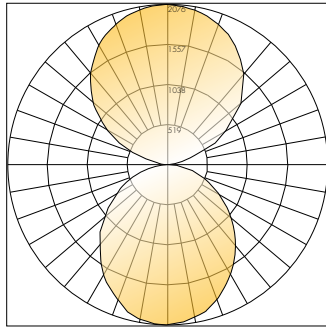
**Photometrics**

Polar Graph - 4' High Output 4000K



Delivered Lumens: 4640  
CRI: 97

Polar Graph - 4' High Direct / High Indirect 4000K



Delivered Lumens: 10,400 (4640 Direct / 5760 Indirect)  
CRI: 97

**Direct (Down) Lumen Chart:**

OUTPUT SELECTION	LOW	MEDIUM	HIGH
NOMINAL WATTAGE	7.5W/ft	10W/ft	15W/ft
LUMENS PER FOOT	570	855	1160
<b>2' LENGTH</b>			
System Wattage	12.00	18.00	24.00
Lumen Output	1140	1700	2320
<b>3' LENGTH</b>			
System Wattage	18.00	27.00	36.00
Lumen Output	1710	2550	3480
<b>4' LENGTH</b>			
System Wattage	24.00	36.00	49.00
Lumen Output	2280	3400	4640
<b>6' LENGTH</b>			
System Wattage	36.00	54.00	72.00
Lumen Output	3420	5100	6960
<b>8' LENGTH</b>			
System Wattage	48.00	72.00	96.00
Lumen Output	4560	6800	9280

**Indirect (Up) Lumen Chart:**

OUTPUT SELECTION	LOW	MEDIUM	HIGH
NOMINAL WATTAGE	7.5W/ft	10W/ft	15W/ft
LUMENS PER FOOT	720	1080	1440
<b>2' LENGTH</b>			
System Wattage	12.00	18.00	24.00
Lumen Output	1440	2160	2880
<b>3' LENGTH</b>			
System Wattage	18.00	27.00	36.00
Lumen Output	2160	3240	4320
<b>4' LENGTH</b>			
System Wattage	24.00	36.00	48.00
Lumen Output	2880	4320	5760
<b>6' LENGTH</b>			
System Wattage	36.00	54.00	72.00
Lumen Output	4320	6480	8640
<b>8' LENGTH</b>			
System Wattage	48.00	72.00	96.00
Lumen Output	5760	8640	11520

Lumen values shown are for 4000K models. For other color temperatures, use the below multipliers:  
2700K: 0.85, 3000K: 0.90, 3500K: 0.95

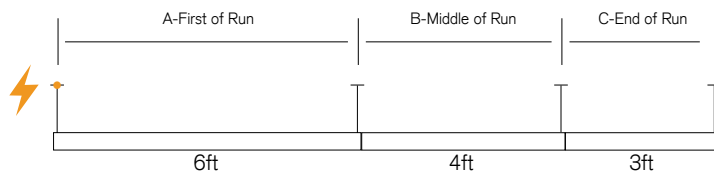
For total system wattage consumption and lumen output, add the direct and indirect lumen and wattage data based on output settings desired.

**EX: V2P-I-4-H-L-40-40-U-CB-W-E**

	Direct	Indirect	Total
Wattage	49.00	24.00	73.00
Lumen	4640	2880	7520

**Continuous Runs**

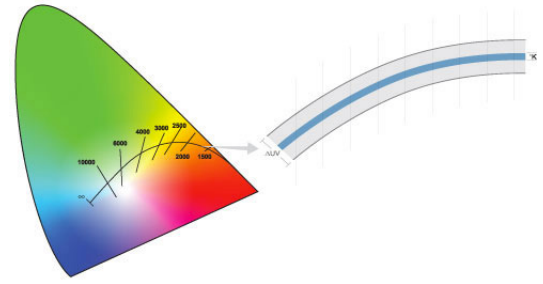
When a system run is ordered, individual sections are shipped, labeled with their Section of Run noted at the end of the part number. Shown below is an example of a 13' continuous run. For more information, refer to the continuous run guide.



### Deco Spectrum™ 5 Channel Color Tuning

The benefits of Deco Spectrum™ include:

- Perfectly natural white light.
- On-Planckian tuning from 1650K to 8000K.
- Dimming from 100% to 1% while maintaining CCT, or variable CCT from 3050K down to 1800K to match traditional incandescent or MR-16 lamp dimming
- Industry-leading color rendering (Ra) greater than 90, throughout the tuning range.
- Gamut control for unlimited control and customization of lighting design using the Saturation and Hue controls.
- Consistent color of 2 SDCM about the Planckian Curve over the life of the module.

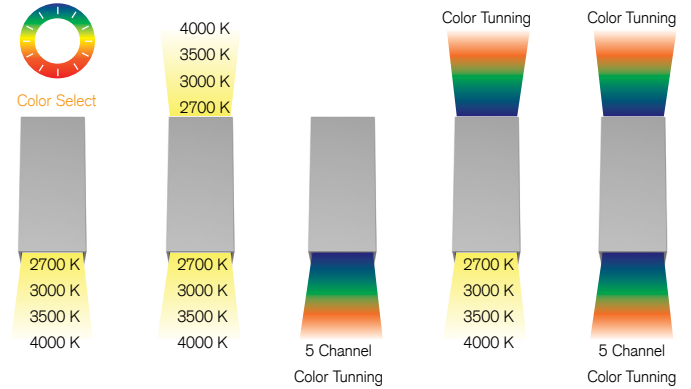


### Five-Channel Tuning

The number of control channels deployed in a color tuning system impacts the quality of the light and consistency of color. It also affects the color tuning range, the level of gamut control and the efficacy of the solution.

Deco Spectrum™ mixes five different colors of high brightness, broad spectrum LEDs – none of which are white – to deliver light that is 2 MacAdam ellipses about the Planckian curve at 90+ CRI across the tuning range.

The result: light that accurately depicts – across the full tuning range – the object's color as compared to its color in true sunlight.



### DLC Models

4' Models	8' Models
V2P-I-4-M-M-35-35-U	V2P-I-8-M-M-35-35-U
V2P-I-4-M-M-40-40-U	V2P-I-8-M-M-40-40-U
V2P-I-4-H-H-35-35-U	V2P-I-8-H-H-35-35-U
	V2P-I-8-H-H-40-40-U