



VECTOR 2 MUD-IN-FLANGE

Recessed 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 +131°F)

ETL Listed

Approved for dry and damp
locations



Description

The Vector 2 is a 2⁷/₁₆" wide linear architectural luminaire delivering excellent illumination for offices, laboratories, libraries, and commercial spaces. Offered in standard lengths of 2', 3', 4', 6', and 8', and available in seamless runs of any length in 1-foot increments, the Mud-in-Flange variant of the Vector allows designers to provide a sleek, minimalist look for interior spaces. Blending seamlessly with walls and ceilings, the Vector Mud in Flange removes all traces of the light fixture, save for the light itself.

Features

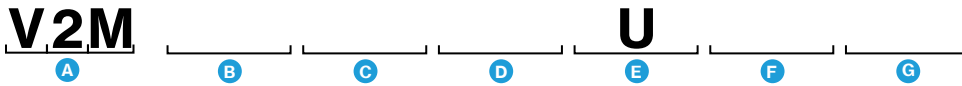
PERFORMANCE

- Selected by IES for the 2017 Progress Report
- Up to 1200 lm/ft direct at 4000K

PHYSICAL

- Profile Dimensions: 2.95" wide x 4.6" high
- End Caps: Die cast aluminum with powder coat finish
- Housing: Extruded Aluminum with powder coat finish

- Direct Lens: Extruded Satin 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)



Ordering Information

A FIXTURE SERIES

V2M Vector 2 Mud-in-Flange

B LENGTH

2 2'

3 3'

4 4'

6 6'

8 8'

Sxxx System¹

C OUTPUT

L 7.5W/ft

M 10W/ft

H 15W/ft

D CCT

27 2700K

30 3000K

35 3500K

40 4000K

5W 5 Channel Color Tuning²

E VOLTAGE

U 120-277V

F FINISH⁴

W Textured White

S Textured Silver

B Textured Black

C Textured Custom Colors

G OPTIONS

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)

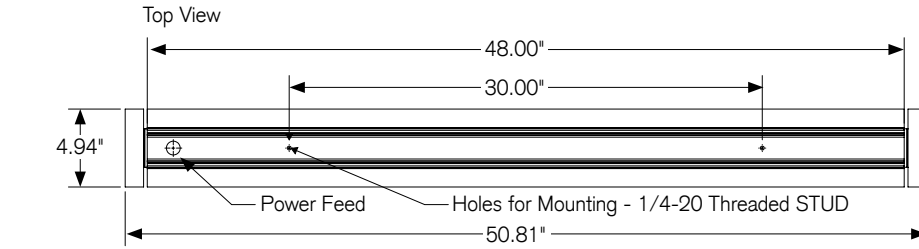
ES1 Lutron LDE1 Series EcoSystem 1% Dimming with Soft On Fade to Black

ES5 Lutron LDE5 Series EcoSystem 5% Dimming

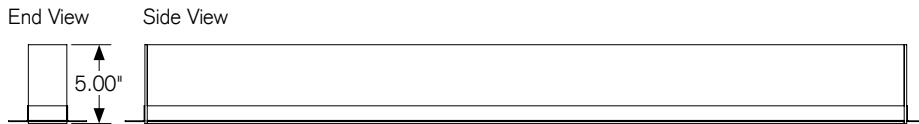
- ¹ Replace "xxx" with desired system length, in feet. See Continuous Run Guide for additional information (separate document)
- ² 5 Channel Color Tuning only available at High Output setting. Controlled using DMX system (provided by customer or other vendor)
- ³ See Page 4 for Ordering Codes on 24 Specialized Finishes. Example "07"
- ⁴ All finishes are textured unless specified otherwise by the customer

Dimensions

4ft luminaire



| Fixture Length | Opening Width | Opening Length |
|----------------|---------------|----------------|
| 2 ft | 2.75" | 24.875" |
| 3 ft | 2.75" | 36.875" |
| 4 ft | 2.75" | 48.875" |
| 6 ft | 2.75" | 72.875" |
| 8 ft | 2.75" | 96.875" |



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%.

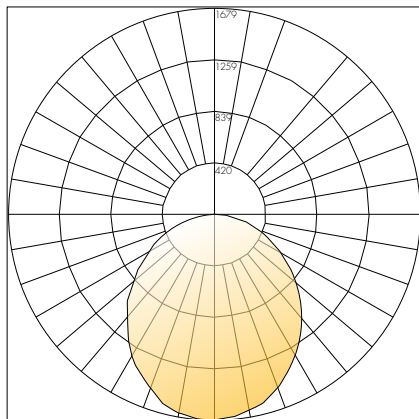
Lutron Vive Lighting Control System (applies to VW0 and VWS0 options)

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.

Photometrics

Polar Graph - 4' High Output 4000K



Delivered Lumens: 4640
CRI: 97

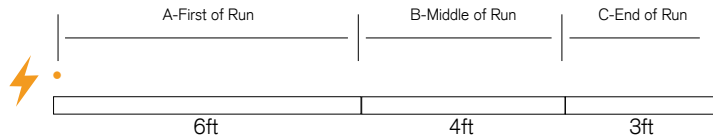
Direct (Down) Lumen Chart:

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

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

Continuous Runs

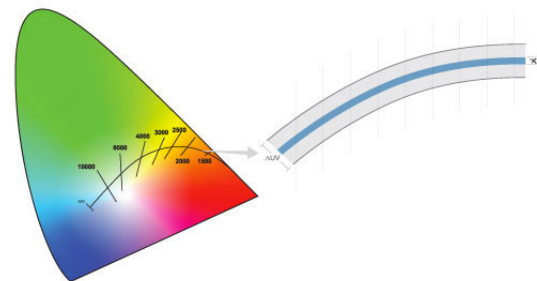
When a system run is ordered, individual sections are shipped, labeled with their Section of Run noted at the end of the part number. Shown below is an example of a 13' continuous run. For more information, refer to the continuous run guide.



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.

