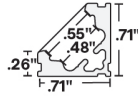




# ESSENTIALS VEVE™- ENCAPSULATED (03) RGB

## 24VDC Linear Fixtures - Corner & Surface



- Corner and surface mount linear fixture with flat lens
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations (IK10)
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Red, Green, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1       | 2         | 3   | 4     | 5          | 6    |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| VV3RGB  | 6.0       | RGB | ENC   | STD        |      |

### ADDITIONAL INFORMATION REQUIRED TO ORDER

| 7                     | 8                      | 9                       | 10               | 11                | 12         | 13        | 14       | 15     | 16          | 17                |
|-----------------------|------------------------|-------------------------|------------------|-------------------|------------|-----------|----------|--------|-------------|-------------------|
| WIRE INPUT/<br>OUTPUT | CONNECTOR<br>/ WIRE IN | CONNECTOR<br>/ WIRE OUT | INPUT END<br>CAP | OUTPUT END<br>CAP | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/<br>OPTIMAL |
|                       |                        |                         |                  |                   |            |           |          |        |             |                   |

Sample Part Number: **VV3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E**

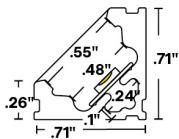
|   |   |  |   |  |  |
|---|---|--|---|--|--|
| <b>1</b><br><b>PRODUCT</b><br><b>VV3RGB</b><br>See following pages for compatible power supplies.   | <b>2</b><br><b>WATTS/FT</b><br><b>6.0</b> 6.0W/ft   | <b>3</b><br><b>CCT</b><br><b>RGB</b>   | <b>4</b><br><b>RATED</b><br><b>ENC</b> IP67 | <b>5</b><br><b>EFFICIENCY</b><br><b>STD</b> Standard | <b>6</b><br><b>LENS</b><br><b>CL</b> Clear<br><b>TL</b> Translucent<br>For representation of LED visibility, see Diode Visibility section on following pages.<br>For beam angles, see Photometric Performance section on following pages |
| <b>7</b><br><b>WIRE INPUT/OUTPUT</b><br><b>SINGLE (Input only)</b><br><b>S1</b> End Feed<br><br><b>PASS THROUGH (Input/output)</b><br><b>P1</b> End Feed    | <b>8</b><br><b>CONNECTOR/WIRE IN</b><br><b>BW</b> Bare Wire (Standard 24")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24"<br><br><b>BW</b> Bare Wire (Standard 24")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24"  | <b>9</b><br><b>CONNECTOR/WIRE OUT</b><br><b>CLS</b> Closed End (No feed)<br><br><b>BW</b> Bare Wire (Standard 24")<br><b>CON6</b> Connector 6"<br><b>CON24</b> Connector 24" |   |  |  |
| <b>10</b><br><b>INPUT END CAP</b><br><b>STD</b> Standard<br><b>CL</b> Clear<br>STD - End cap matches fixture finish chosen<br>Select CL for continuous runs | <b>11</b><br><b>OUTPUT END CAP</b><br><b>STD</b> Standard<br><b>CL</b> Clear<br>STD - End cap matches fixture finish chosen<br>Select CL for continuous runs  | <b>12</b><br><b>WIRE COLOR</b><br><b>WH</b> White<br><b>BK</b> Black   |   |  |  |
| <b>14</b><br><b>MOUNTING</b><br><b>SST</b> Stainless Steel<br><b>M4</b> Low Profile Magnet<br><b>MG</b> Magnet  | <b>15</b><br><b>FINISH</b><br><b>ST</b> Satin<br><b>BK</b> Black<br><b>BZ</b> Bronze<br><b>CU</b> Custom<br>Custom finishes require a longer lead time, consult factory   | <b>13</b><br><b>WIRE TYPE</b><br><b>CL2</b> Class 2<br><b>CL2P</b> Plenum Rated<br>CL2P only available with bare wire leads (BW)   |   |  |  |
| <b>16</b><br><b>LENGTH (IN)</b><br>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".                   | <b>17</b><br><b>EXACT/OPTIMAL</b><br><b>O</b> Optimal Illumination<br><b>E</b> Exact Specified Length<br>Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts. |  |   |  |  |



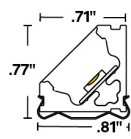
# ESSENTIALS VEVE™-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Corner & Surface

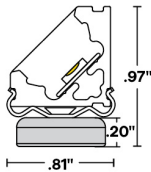
## 1 PRODUCT - DIMENSIONS



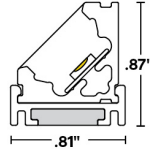
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with VV3RGB-6.0-RGB-ENC-STD

|    | Red   |            | Green |            | Blue  |            | All |
|----|-------|------------|-------|------------|-------|------------|-----|
|    | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH |     |
| CL | 58    | 633        | 117   | 523        | 33    | 469        | 188 |
| TL | 38    | 633        | 76    | 523        | 21    | 469        | 122 |

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

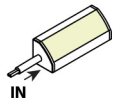
## TEMPERATURE RATINGS

|                                  | 6.0 W/FT |      |
|----------------------------------|----------|------|
|                                  | Min      | Max  |
| Ambient Operating Temp - Surface | -13°F    | 90°F |

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

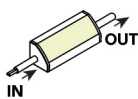
S1



End Feed

PASS THROUGH (Input/Output)

P1



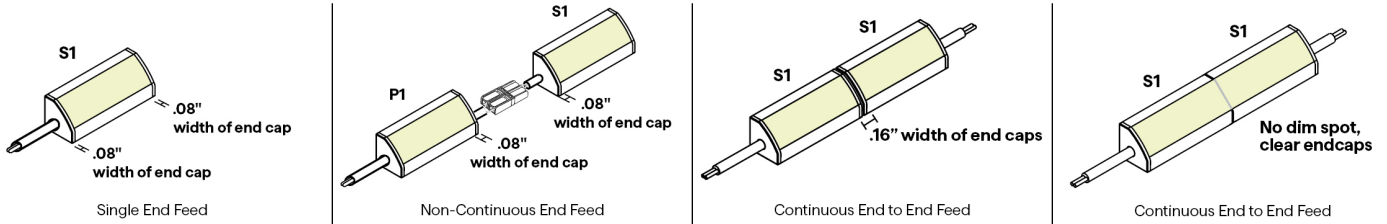
End Feed



# ESSENTIALS VEVE™-ENCAPSULATED (03) RGB

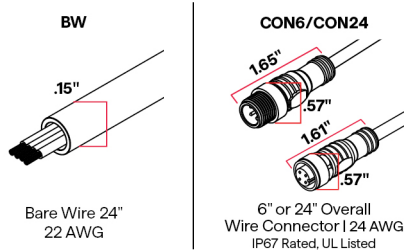
24VDC Linear Fixtures - Corner & Surface

## CONFIGURATION OPTIONS

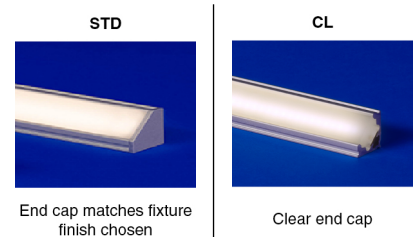


## 8 / 9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 10 / 11 END CAP – IN/OUT





# ESSENTIALS VEVE™-ENCAPSULATED (03) RGB

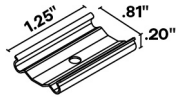
24VDC Linear Fixtures - Corner & Surface

## 12 WIRE COLOR



## 14 MOUNTING

SST



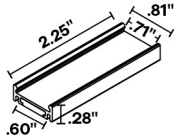
Stainless Steel Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use SST-01

Each clip comes with a #4 x 5/8" Flat Head screw

M4

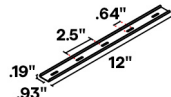


Low Profile Magnet

One M4 provided per foot

To order separately use MG-04

MMA-04



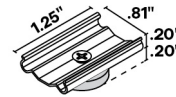
Magnet Mount Accessory for M4

Sold separately, to order use MMA-04

Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

MG

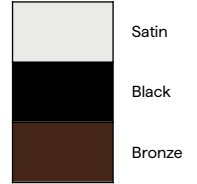


Magnet Clip

One MG provided per foot

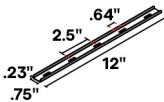
To order separately use MG-01

## 15 FINISH



Custom finishes require a longer lead time, consult factory

MMA-01



Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

Each bracket comes with 2 #6 x 5/8" Flat Head SS

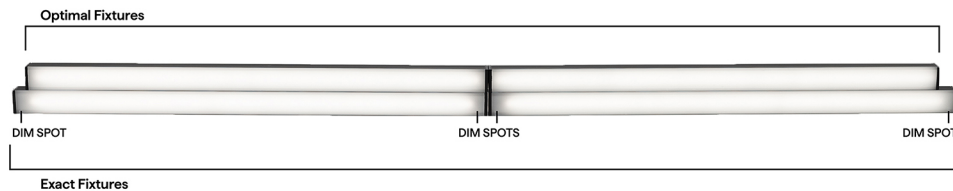
Required when mounting to a non-magnetic surface

## 17 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

[E/O Explained →](#)

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.





# ESSENTIALS VEVE™-ENCAPSULATED (03) RGB

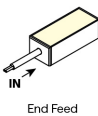
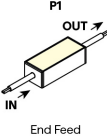
24VDC Linear Fixtures - Corner & Surface

## RGB ENC LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture                                  |
|------------------|---|
|                  |  |
| 12"              | 1"  |
| 13"              | 0.5"  |
| 14"              | 1"  |
| 15"              | 0.5"  |
| 16"              | 1"  |
| 17"              | 0.5"  |
| 18"              | 1"  |
| 19"              | 0.5"  |
| 20"              | 1"  |
| 21"              | 0.5"  |
| 22"              | 1"  |
| 23"              | 0.5"  |
| 24"              | 1"  |
| 36"              | 1"  |
| 48"              | 1"  |
| 60"              | 1"  |
| 72"              | 1"  |
| 84"              | 1"  |
| 96"              | 1"  |

### OPTIMAL LENGTH

| Requested Nominal Length | S1  | P1  |
|--------------------------|---|---|
|                          |  |  |
| 12"                      | 11.49"  | 11.14"  |
| 13"                      | 12.49"  | 12.14"  |
| 14"                      | 13.49"  | 13.14"  |
| 15"                      | 14.49"  | 14.14"  |
| 16"                      | 15.49"  | 15.14"  |
| 17"                      | 16.49"  | 16.14"  |
| 18"                      | 17.49"  | 17.14"  |
| 19"                      | 18.49"  | 18.14"  |
| 20"                      | 19.49"  | 19.14"  |
| 21"                      | 20.49"  | 20.14"  |
| 22"                      | 21.49"  | 21.14"  |
| 23"                      | 22.49"  | 22.14"  |
| 24"                      | 23.49"  | 23.14"  |
| 36"                      | 35.49"  | 35.14"  |
| 48"                      | 47.49"  | 47.14"  |
| 60"                      | 59.49"  | 59.14"  |
| 72"                      | 71.49"  | 71.14"  |
| 84"                      | 83.49"  | 83.14"  |
| 96"                      | 95.49"  | 95.14"  |

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| DIM TO LEVEL | INDOOR   | OUTDOOR   |
|--------------|--|---|
|              | RGB  | RGB   |
| 0.1%         | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DMX<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QOM-eLED+DALI-DT8<br>QOM-eLED+DMX<br>QOM-eLED+PS-DALI-DT8<br>QZ-DMX |
| 1%           | QZ-DALI-DT8  | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8  |
| 10%          | Non-Dim Power Supply with RGB App Dongle   |   |

| DIMMING PROTOCOL | INDOOR   | OUTDOOR   |
|------------------|--|---|
|                  | RGB  | RGB   |
| DMX              | QTM-eLED+DMX<br>QZ-DMX                                   | Q-SET-QZ-DMX<br>QOM-eLED+DMX<br>QZ-DMX                |
| DALI-2: DT8      | QT-CAB-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8<br>QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<br>QZ-DALI-DT8 |



# ESSENTIALS VEVE™-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Corner & Surface

## COMPATIBLE MOUNTING ACCESSORIES

|  |  |   |  |  |  |  |   |   |   |
|--|--|---|--|--|--|--|---|---|---|
| <b>HINGE - HMB-M</b><br><br>1.41" .71"<br>Adjustable mounting bracket - Medium | <b>HINGE - HMB-L</b><br><br>1.46" 1.29"<br>Adjustable mounting bracket - Large | <b>HINGE - HMB-XL</b><br><br>4" 1.46"<br>Adjustable mounting bracket - XLarge | <b>Q-PIVOT</b><br><br>.75" 1.03"<br>Small mounting accessory | <b>Q-ANGLE</b><br><br>2.23" 1.38"<br>Adjustable mounting accessory | <b>QUOVA-STANDARD</b><br><br>QUOVA Knife Edge                      | <b>NJ-MEDIUM</b><br><br>J Mounting Bracket | <b>NJ-LARGE</b><br><br>J Mounting Bracket | <b>NU-LARGE</b><br><br>U Mounting Bracket | <b>SD-J-LARGE</b><br><br>J Mounting Bracket |
| <b>BL-LARGE</b><br><br>Backwards L Mounting Bracket                            | <b>NL-LARGE</b><br><br>L Mounting Bracket                                      | <b>SD-L-LARGE</b><br><br>L Mounting Bracket                                   | <b>SD-L-MEDIUM</b><br><br>L Mounting Bracket                 | <b>MMA-01</b><br><br>1.23" .75"<br>Magnet Mount Accessory of MG-01 | <b>MMA-04</b><br><br>1.19" .93"<br>Magnet Mount Accessory of MG-04 |  |   |   |   |

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**  
  
2.80" 2.27"  
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**  
  
1.36" 2.58"  
Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

**NFC APP**  
  
Read and write DMX addresses and adjust voltage