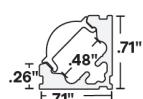




# ESSENTIALS VEVE™-OPTICS (02)

## RGB

24VDC Linear Fixtures - Corner & Surface



| 1<br>PRODUCT | 2<br>WATTS/FT | 3<br>CCT | 4<br>RATED | 5<br>EFFICIENCY | 6<br>LENS | 7<br>WIRE INPUT/OUTPUT | 8<br>CONNECTOR/WIRE IN | 9<br>CONNECTOR/WIRE OUT | 10<br>WIRE COLOR | 11<br>WIRE TYPE | 12<br>MOUNTING | 13<br>FINISH | 14<br>LENGTH (IN) | 15<br>EXACT/OPTIMAL |
|--------------|---------------|----------|------------|-----------------|-----------|------------------------|------------------------|-------------------------|------------------|-----------------|----------------|--------------|-------------------|---------------------|
| VV2RGB       | 6.0           | RGB      |            | STD             |           |                        |                        |                         |                  |                 |                |              |                   |                     |

Sample Part Number: **VV2RGB-6.0-RGB-DRY-STD-20-P1-BW-BK-CL2-SST-BK-48"-E**

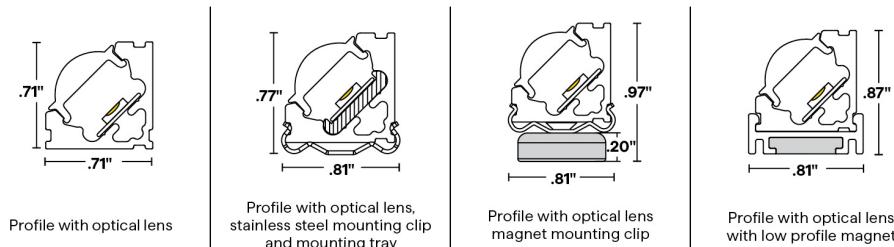
|  |  |   |   |   |   |
|--|--|---|---|---|---|
| <b>1</b><br><b>PRODUCT</b><br><br>VV2RGB<br><br>See following pages for compatible power supplies.                                 | <b>2</b><br><b>WATTS/FT</b><br><br>6.0 6.0W/ft   | <b>3</b><br><b>CCT</b><br><br>RGB   | <b>4</b><br><b>RATED</b><br><br>DRY IP20<br>DMP IP54  | <b>5</b><br><b>EFFICIENCY</b><br><br>STD Standard   | <b>6</b><br><b>LENS</b><br><br>20 Optical 20°<br>45 Optical 45° DRY or DMP only<br><br>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages |
| <b>7</b><br><b>WIRE INPUT/OUTPUT</b><br><br>S1 Single 1 (Input only) - End Feed<br><br>P1 Pass Through 1 (Input/output) - End Feed | <b>8</b><br><b>CONNECTOR/WIRE IN</b><br><br>BW CON6 CON24 Bare Wire (Standard 24") Connector 6" Connector 24"<br><br>BW CON6 CON24 Bare Wire (Standard 24") Connector 6" Connector 24" | <b>9</b><br><b>CONNECTOR/WIRE OUT</b><br><br>CLS Closed End (No feed)   | <b>10</b><br><b>WIRE COLOR</b><br><br>WH White<br>BK Black  |   |   |
|  |  |   |   |   | BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)  |
|  |  |   |   |   | BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)  |
| <b>11</b><br><b>WIRE TYPE</b><br><br>CL2 Class 2<br>CL2P Plenum Rated<br><br>CL2P only available with bare wire leads (BW)         | <b>12</b><br><b>MOUNTING</b><br><br>SST Stainless Steel<br>M4 Low Profile Magnet<br>MG Magnet  | <b>13</b><br><b>FINISH</b><br><br>ST Satin<br>BK Black<br>BZ Bronze<br>CU Custom<br><br>Custom finishes require a longer lead time, consult factory | <b>14</b><br><b>LENGTH (IN)</b><br><br>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | <b>15</b><br><b>EXACT/OPTIMAL</b><br><br>O Optimal Illumination<br>E Exact Specified Length<br><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™-OPTICS (02) RGB

24VDC Linear Fixtures - Corner & Surface

### 1 PRODUCT - DIMENSIONS



### 2 DELIVERED LUMENS

[Calculated L70 = 55000 hrs]  
Tested with VV2RGB-6.0-RGB-DRY-STD

|    | Red   |            | Green |            | Blue  |            | All |
|----|-------|------------|-------|------------|-------|------------|-----|
|    | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH |     |
| 20 | 83    | 633        | 168   | 523        | 48    | 469        | 271 |
| 45 | 91    | 633        | 184   | 523        | 52    | 469        | 295 |

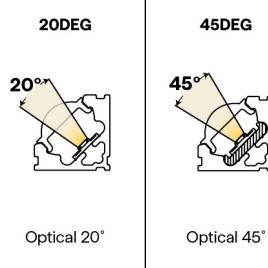
### 6 DIODE VISIBILITY



Optical lens

### PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



### TEMPERATURE RATINGS

|     |                                  | 6.0 W/FT |       |
|-----|----------------------------------|----------|-------|
|     |                                  | Min      | Max   |
| DRY | Ambient Operating Temp - Surface | -13°F    | 105°F |
| DMP | Ambient Operating Temp - Surface | -13°F    | 100°F |
| WET | Ambient Operating Temp - Surface | **       | **    |

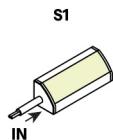


## ESSENTIALS VEVE™-OPTICS (02) RGB

24VDC Linear Fixtures - Corner & Surface

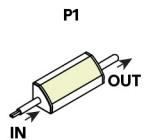
### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



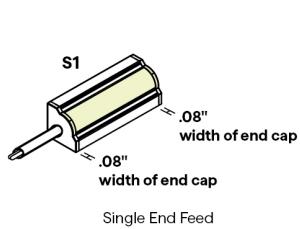
End Feed

PASS THROUGH (Input/Output)

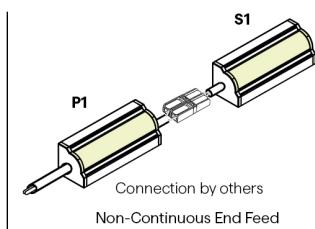


End Feed

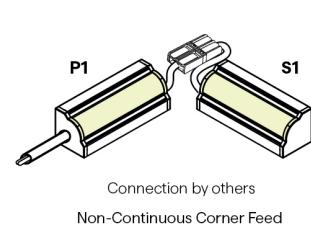
### CONFIGURATION OPTIONS



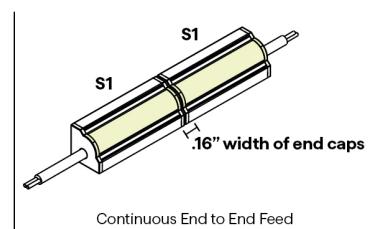
Single End Feed



Non-Continuous End Feed



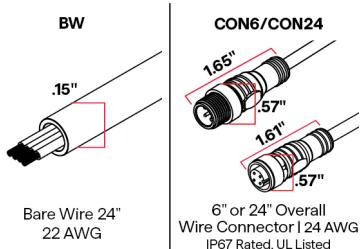
Non-Continuous Corner Feed



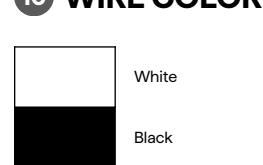
Continuous End to End Feed

### 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



6" or 24" Overall  
Wire Connector | 24 AWG  
IP67 Rated, UL Listed



White

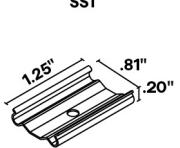
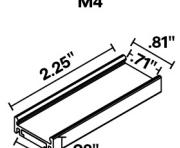
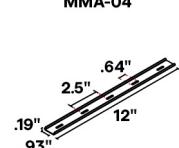
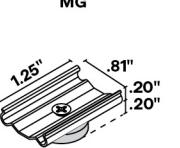
Black



## ESSENTIALS VEVE™-OPTICS (02) RGB

24VDC Linear Fixtures - Corner & Surface

### 12 MOUNTING

| SST   | M4  | MMA-04   | MG   |
|---|---|--|--|
| <br>Stainless Steel Clip<br>2 clips provided for 4' or less; 4 clips provided for greater than 4'<br>To order separately use SST-01<br>Each clip comes with a #4 x 5/8" Flat Head SS | <br>Low Profile Magnet<br>One M4 provided per foot.<br>To order separately use MG-04 | <br>Magnet Mount Accessory for M4<br>Sold separately, to order use MMA-04<br>Each bracket comes with 2 #6 x 5/8" Flat Head SS<br>Required when mounting to a non-magnetic surface | <br>Magnet Clip<br>One MG provided per foot<br>To order separately use MG-01 |
|   |   |  |  |

### 13 FINISH



Custom finishes require a longer lead time, consult factory

### MMA-01

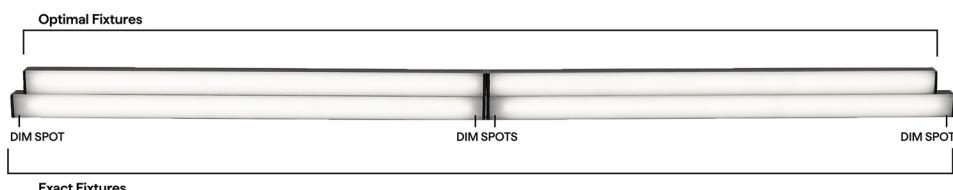
|  |
|--|
| <br>Magnet Mount Accessory of MG-01<br>Sold separately, to order use MMA-01<br>Each bracket comes with 2 #6 x 5/8" Flat Head SS<br>Required when mounting to a non-magnetic surface |
|--|

### 14 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™-OPTICS (02) RGB

24VDC Linear Fixtures - Corner & Surface

## RGB DRY DMP LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture |          |
|------------------|--|----------|
|                  | S1   | End Feed |
| 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     |
|--------------------------|--------|--------|
|                          | IN     | OUT    |
| 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   |
|--------------|--|
|              | 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 |
| 1%           | QZ-DALI-DT8  |
| 10%          | Non-Dim Power Supply with RGB App Dongle   |

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



## ESSENTIALS VEVE™-OPTICS (02) RGB

24VDC Linear Fixtures - Corner & Surface

### COMPATIBLE MOUNTING ACCESSORIES

|                                      |                                     |                                      |                          |                               |                                 |                                 |
|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------|-------------------------------|---------------------------------|---------------------------------|
| HINGE - HMB-M                        | HINGE - HMB-L                       | HINGE - HMB-XL                       | Q-PIVOT                  | Q-ANGLE                       | MMA-01                          | MMA-04                          |
| 1.41" .71"                           | 1.46" 1.29"                         | 1.46" 4"                             | .75" 1.03"               | 1.38" 2.23"                   | .23" .75"                       | .19" .93"                       |
| Adjustable mounting bracket - Medium | Adjustable mounting bracket - Large | Adjustable mounting bracket - XLarge | Small mounting accessory | Adjustable mounting accessory | Magnet Mount Accessory of MG-01 | Magnet Mount Accessory of MG-04 |

### COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

### COMPATIBLE CONTROL ACCESSORIES

#### SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

### COMPATIBLE APPS

#### NFC APP



Read and write DMX addresses and adjust voltage