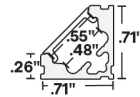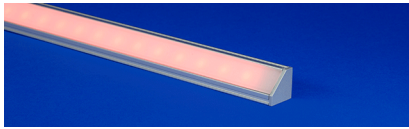# ESSENTIALS VEVE™-FLAT (01) STATIC COLOR

## 24VDC Linear Fixtures - Corner & Surface

- Corner and surface mount linear fixture with flat lens
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Two cutoff options when using clear lens
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Can be suitable for exterior use when specified as wet, contact factory for more information
- Red, Green, Blue or Amber LEDs available
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife

Dimensions: .55", .71", .48", .26", .71"

| 1 PRODUCT | 2 WATTS/FT | 3 CCT | 4 RATED | 5 EFFICIENCY | 6 LENS | 7 WIRE INPUT/ OUTPUT | 8 CONNECTOR/ WIRE IN | 9 CONNECTOR/ WIRE OUT | 10 WIRE COLOR | 11 WIRE TYPE | 12 MOUNTING | 13 FINISH | 14 LENGTH (IN) | 15 EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VV1SC | 5.0 | | | STD | | | | | | | | | | |

Sample Part Number: **VV1SC-5.0-GR-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

### 1 PRODUCT

**VV1SC**

See following pages for compatible power supplies.

### 2 WATTS/FT

**5.0**    5.0W/ft

### 3 CCT

| | |
|---|---|
| **A** | Amber |
| **B** | Blue |
| **G** | Green |
| **R** | Red |

### 4 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **DMP** | IP54 |
| **WET** | IP67 |

Can be suitable for exterior use, contact factory for more information

### 5 EFFICIENCY

| | |
|---|---|
| **STD** | Standard |

### 6 LENS

| | |
|---|---|
| **DF** | Diffused |
| **PR** | Polar |
| **FR** | Frosted |
| **CL** | Clear |

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages

### 7 WIRE INPUT/OUTPUT

| | |
|---|---|
| **S1** | Single 1 (Input only) - End Feed |

| | |
|---|---|
| **P1** | Pass Through 1 (Input/output) - End Feed |

### 8 CONNECTOR/WIRE IN

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### 9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **CLS** | Closed End (No feed) |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### 10 WIRE COLOR

| | |
|---|---|
| **WH** | White |
| **BK** | Black |
| **N/A** | For Barrel |

wet barrel only available in black

### 11 WIRE TYPE

| | |
|---|---|
| **CL2** | Class 2 |
| **CL2P** | Plenum Rated |
| **N/A** | For Barrel |

CL2P only available with bare wire leads (BW)

### 12 MOUNTING

| | |
|---|---|
| **SST** | Stainless Steel |
| **M4** | Low Profile Magnet |
| **MG** | Magnet |

### 13 FINISH

| | |
|---|---|
| **ST** | Satin |
| **BK** | Black |
| **BZ** | Bronze |
| **CU** | Custom |

Custom finishes require a longer lead time, consult factory

### 14 LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

### 15 EXACT/OPTIMAL

| | |
|---|---|
| **O** | Optimal Illumination |
| **E** | Exact Specified Length |

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.
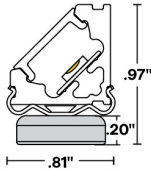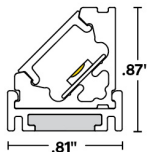
## 1 PRODUCT - DIMENSIONS
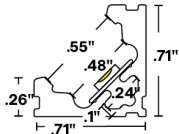


Profile
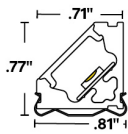


Profile with flat lens and stainless steel mounting clip



Profile with flat lens and magnet mounting clip



Profile with flat lens and low profile magnet

## 2 DELIVERED LUMENS

[Calculated L70 = 30000 hrs]
Tested with VV1SC-5.0-**-DRY-STD

|     | Red | | Green | | Blue | | Amber | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|     | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH |
| CL  | 82 | 633 | 443 | 517 | 115 | 466 | 74 | 597 |
| FR  | 80 | 633 | 435 | 517 | 113 | 466 | 73 | 597 |
| PR  | 73 | 633 | 397 | 517 | 103 | 466 | 66 | 597 |
| DF  | 67 | 633 | 362 | 517 | 94 | 466 | 60 | 597 |

## 6 DIODE VISIBILITY

SC

DF - Diffused lens



PR - Polar lens



FR - Frosted lens



CL - Clear lens
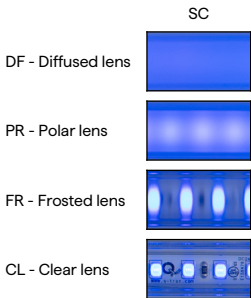


## PHOTOMETRIC PERFORMANCE

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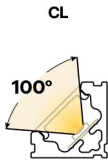
CL



Clear 100°

## TEMPERATURE RATINGS

| | | 5.0 W/FT | |
|---|---|---|---|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 125°F |
| DMP | Ambient Operating Temp - Surface | -4°F | 120°F |
| WET | Ambient Operating Temp - Surface | -4°F | 120°F |

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

**S1**



**IN**

End Feed
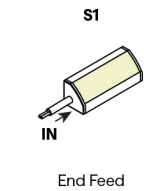
PASS THROUGH (Input/Output)

**P1**



**OUT**

**IN**

End Feed

## CONFIGURATION OPTIONS

**S1**



.08" width of end cap

.08" width of end cap

Single End Feed

**S1**

**P1**



Connection by others

Non-Continuous End Feed

**P1**          **S1**



Connection by others

Non-Continuous Corner Feed

**S1**

**S1**



.16" width of end caps

Continuous End to End Feed
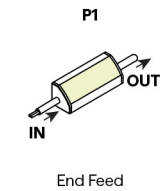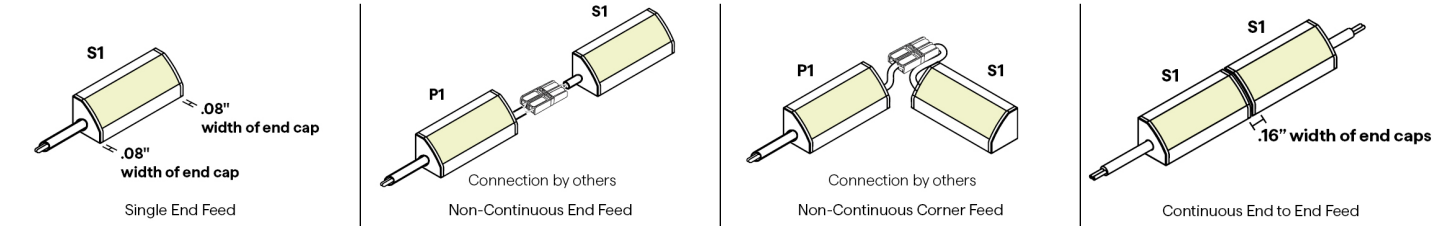
## 8 / 9 CONNECTOR/WIRE – IN/OUT

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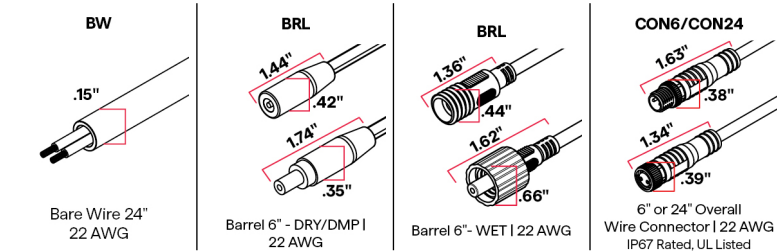
**BW**



.15"

Bare Wire 24"
22 AWG

**BRL**



1.44"
.42"
1.74"
.35"

Barrel 6" - DRY/DMP |
22 AWG

**BRL**



1.36"
.44"
1.62"
.66"

Barrel 6"- WET | 22 AWG

**CON6/CON24**



1.63"
.38"
1.34"
.39"

6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

## 10 WIRE COLOR



White

Black

## 12 MOUNTING

### SST
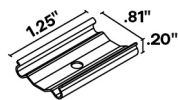
Stainless Steel Clip

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

To order separately use SST-01
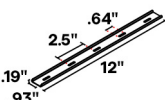
Each clip comes with a #4 x 5/8" Flat Head SS

### M4
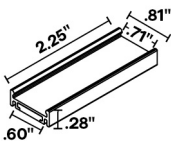
Low Profile Magnet

One M4 provided per foot.
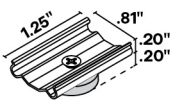
To order separately use MG-04

### 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
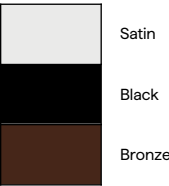
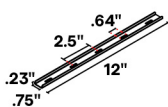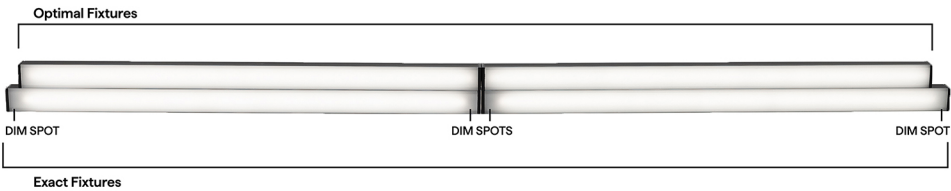Required when mounting to a non-magnetic surface

### MG

Magnet Clip

One MG provided per foot

To order separately use MG-01

### 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

## 13 FINISH

Satin

Black

Bronze

Custom finishes require a longer lead time, consult factory

## 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.
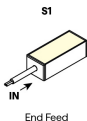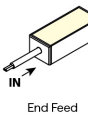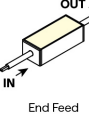
**Optimal Fixtures**

DIM SPOT          DIM SPOTS          DIM SPOT

**Exact Fixtures**

## SC DRY DMP LENGTHS BY INCH

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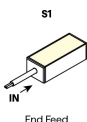
| Requested Length | Potential dim spot on either end of a S1 fixture |
|---|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |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

**OPTIMAL LENGTH**
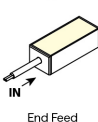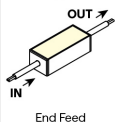
| Requested Nominal Length | S1 | P1 |
|---|---|---|
| 12" | 11.59" | 11.34" |
| 13" | 12.59" | 12.34" |
| 14" | 13.59" | 13.34" |
| 15" | 14.59" | 14.34" |
| 16" | 15.59" | 15.34" |
| 17" | 16.59" | 16.34" |
| 18" | 17.59" | 17.34" |
| 19" | 18.59" | 18.34" |
| 20" | 19.59" | 19.34" |
| 21" | 20.59" | 20.34" |
| 22" | 21.59" | 21.34" |
| 23" | 22.59" | 22.34" |
| 24" | 23.59" | 23.34" |
| 36" | 35.59" | 35.34" |
| 48" | 47.59" | 47.34" |
| 60" | 59.59" | 59.34" |
| 72" | 71.59" | 71.34" |
| 84" | 83.59" | 83.34" |
| 96" | 95.59" | 95.34" |

## SC WET 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" | 11.39" | 11.24" |
| 13" | 12.39" | 12.24" |
| 14" | 13.39" | 13.24" |
| 15" | 14.39" | 14.24" |
| 16" | 15.39" | 15.24" |
| 17" | 16.39" | 16.24" |
| 18" | 17.39" | 17.24" |
| 19" | 18.39" | 18.24" |
| 20" | 19.39" | 19.24" |
| 21" | 20.39" | 20.24" |
| 22" | 21.39" | 21.24" |
| 23" | 22.39" | 22.24" |
| 24" | 23.39" | 23.24" |
| 36" | 35.39" | 35.24" |
| 48" | 47.39" | 47.24" |
| 60" | 59.39" | 59.24" |
| 72" | 71.39" | 71.24" |
| 84" | 83.39" | 83.24" |
| 96" | 95.39" | 95.24" |

## 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 |
|---|---|---|
| | SC | SC |
| Dim to Black | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | QOM-DC+CAP<br>QOM-PH |
| 0.1% | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+PS-DALI-DT6<br>QZ-DMX<br>QZ-PH/0-10V |
| 1% | QTM-eLED(E)<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with SW App Dongle | |

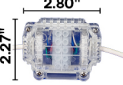| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|---|---|---|
| | SC | SC |
| Non-Dim | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND |
| Phase | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH+QD1 | Q-SET-QZ-PH/0-10V<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PH/0-10V |
| 0-10V | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PH/0-10V |
| Lutron Athena | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN | |
| ECO System | QTM-eLED(E) | |
| DMX | QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX |
| DALI-2: DT6 | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QOM-eLED+DALI-DT6<br>QZ-DALI-DT6 |
| SCENE App Dimmed | Non-Dim Power Supply with SW App Dongle | |
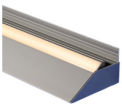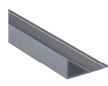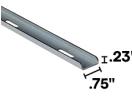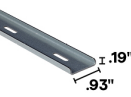
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-M**
1.41" .71"
Adjustable mounting bracket - Medium

**HINGE - HMB-L**
1.46" 1.29"
Adjustable mounting bracket - Large

**HINGE - HMB-XL**
4" 1.46"
Adjustable mounting bracket - XLarge

**Q-PIVOT**
.75" 1.03"
Small mounting accessory

**Q-ANGLE**
2.23" 1.38"
Adjustable mounting accessory

**QUOVA-STANDARD**
QUOVA Knife Edge

**NJ-LARGE**
J Mounting Bracket

**NJ-MEDIUM**
J Mounting Bracket

**SD-J-LARGE**
J Mounting Bracket

**BL-LARGE**
Backwards L Mounting Bracket

**NL-LARGE**
L Mounting Bracket

**SD-L-LARGE**
L Mounting Bracket

**SD-L-MEDIUM**
L Mounting Bracket

**MMA-01**
.23" .75"
Magnet Mount Accessory of MG-01

**MMA-04**
.19" .93"
Magnet Mount Accessory of MG-04

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J**
2" 1.25"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

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

**BARREL-EXT**
8ft barrel cable extender DRY ONLY

**BARREL FOUR-FER**
Splits lead from one to four LED Barrel connector fixtures, DRY/DMP

**CON120-EXT**
10ft Con cable extender DRY/DMP/WET

**CON FOUR-FER**
Splits lead from one to four LED Con connectors DRY/DMP/WET

**CON M - BARREL F**
Male con to barrel cable adaptor DRY/DMP

## COMPATIBLE APPS

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