



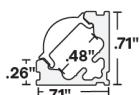
ESSENTIALS VEVE™-OPTICS (02) SW-IA

24VDC Linear Fixtures - Corner & Surface



5 YEAR
WARRANTY

Declare.



- Corner and surface mount linear fixture with optical lens
- Choose from a 20° or 45° beam angle
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs

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
VV2IA	5.0		DRY	STD										

Sample Part Number: **VV2IA-5.0-30-DRY-STD-20-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1 PRODUCT VV2IA See following pages for compatible power supplies.	2 WATTS/FT 5.0 5.0W/ft	3 CCT 27 2700K 30 3000K 35 3500K 40 4000K	4 RATED DRY IP20	5 EFFICIENCY STD Standard	6 LENS 20 Optical 20° 45 Optical 45° DRY or DMP only 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	8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") 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)	10 WIRE COLOR WH White BK Black		
P1 Pass Through 1 (Input/output) - End Feed	BW Bare Wire (Standard 24") 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)	BW Bare Wire (Standard 24") 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)			
11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated 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.	

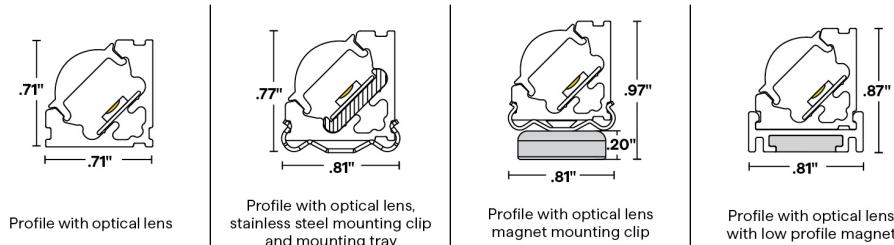
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



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1 PRODUCT - DIMENSIONS



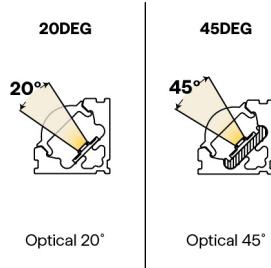
6 DIODE VISIBILITY



Optical lens

PHOTOMETRIC PERFORMANCE

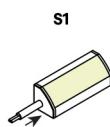
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



Optical 20° Optical 45°

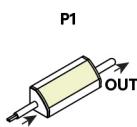
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



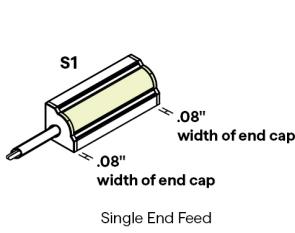
End Feed

PASS THROUGH (Input/Output)

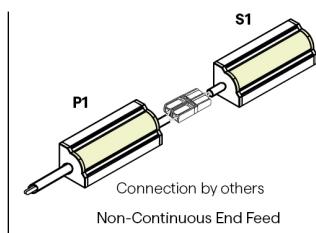


End Feed

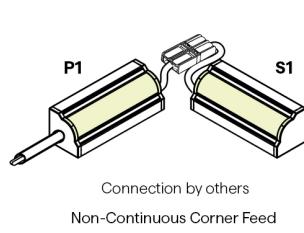
CONFIGURATION OPTIONS



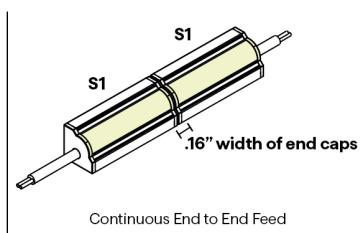
Single End Feed



Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed



Continuous End to End Feed

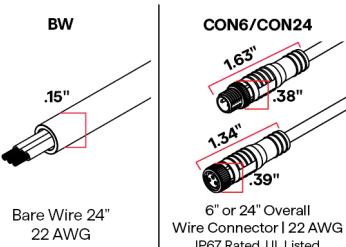


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24VDC Linear Fixtures - Corner & Surface

8 / 9 CONNECTOR/WIRE – IN/OUT

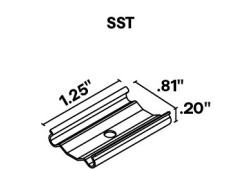
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



10 WIRE COLOR



12 MOUNTING

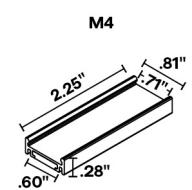


Stainless Steel Clip

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

To order separately use SST-01

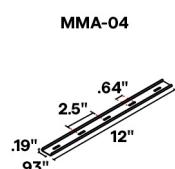
Each clip comes with a #4 x 5/8" Flat Head SS



Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

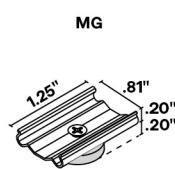


Magnet Mount Accessory for M4

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



Magnet Clip

One MG provided per foot

To order separately use MG-01

13 FINISH



Satin

Black

Bronze

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



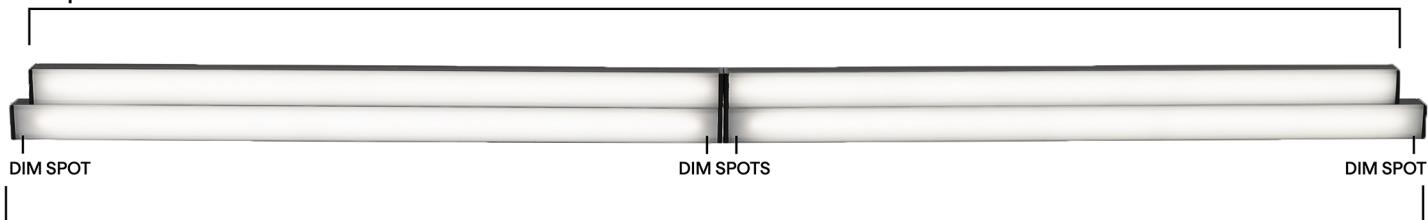
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24VDC Linear Fixtures - Corner & Surface

15 EXACT/OPTIMAL FIXTURE LENGTH

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



Exact Fixtures

SW-IA DRY LENGTHS BY INCH

Available in any length in between 12" and 98.43", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is $\pm 0 - 1/8"$. Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	.975"
13"	1.475"
14"	.3"-1.975"
15"	.8"
16"	1.3"
17"	1.8"
18"	.625"
19"	1.125"
20"	1.625"
21"	.45"
22"	.95"
23"	1.45"
24"	1.95"
36"	1.25"
48"	0.55"
60"	1.525"
72"	0.825"
84"	1.8"
96"	1.1"

OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1	P1
12"	10.46"	10.71"
13"	10.46"	10.71"
14"	13.81"	10.71"
15"	13.81"	14.06"
16"	13.81"	14.06"
17"	13.81"	14.06"
18"	17.16"	17.41"
19"	17.16"	17.41"
20"	17.16"	17.41"
21"	20.51"	20.76"
22"	20.51"	20.76"
23"	20.51"	20.76"
24"	23.86"	20.76"
36"	33.91"	34.16"
48"	47.31"	47.56"
60"	57.36"	57.61"
72"	70.76"	71.01"
84"	80.81"	81.06"
96"	94.21"	94.46"

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has $\pm 5\%$ tolerance.

DIM TO LEVEL	INDOOR	
	SW-IA	
1%		QT-CAB-eLED+IA QTM-eLED+IA



ESSENTIALS VEVE™-OPTICS (02) SW-IA

24VDC Linear Fixtures - Corner & Surface

DIMMING PROTOCOL	INDOOR
	SW-IA
DMX	QT-CAB-eLED+IA QTM-eLED+IA

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M 1.41" x .71"	HINGE - HMB-L 1.46" x 1.29"	HINGE - HMB-XL 1.46" x 4"	Q-PIVOT 75" x 1.03"	Q-ANGLE 1.38" x 2.23"	MMA-01 1.23" x .75"	MMA-04 .19" x .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

Q-mini-J 1.25" x 2"	Q-mini-J5 2.27" x 2.80"	BARREL-EXT 8ft barrel cable extender	BARREL FOUR-FER Splits lead from one to four LED Barrel connector fixtures	CON120-EXT 10ft Con cable extender	CON FOUR-FER Splits lead from one to four LED Con connectors	CON M - BARREL F Male con to barrel cable adaptor
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	DRY ONLY	DRY/DMP/WET	DRY/DMP/WET	DRY/DMP/WET	DRY/DMP