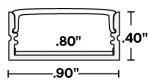




# ESSENTIALS WIDE-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface



5 YEAR WARRANTY

Declare.

Red List Approved

- Wide, low-profile fixture for surface mount applications
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Mounting options include stainless steel or plastic clip
- 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
WE1IA	5.0		DRY	STD										

Sample Part Number: WE1IA-5.0-30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

<b>1</b> <b>PRODUCT</b> WE1IA See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b> 5.0 5.0W/ft	<b>3</b> <b>CCT</b> 27 2700K 30 3000K 35 3500K 40 4000K	<b>4</b> <b>RATED</b> DRY IP20	<b>5</b> <b>EFFICIENCY</b> STD Standard	<b>6</b> <b>LENS</b> 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
<b>7</b> <b>WIRE INPUT/OUTPUT</b>  <b>S1</b> Single 1 (Input only) - End Feed <b>S2</b> Single 2 (Input only) - Bottom Feed <b>S3</b> Single 3 (Input only) - Left Side Feed <b>S4</b> Single 4 (Input only) - Right Side Feed For continuous mounting, consider bottom or side feed	<b>8</b> <b>CONNECTOR/WIRE IN</b>  <b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  <b>CLS</b> Closed End (No feed)	<b>10</b> <b>WIRE COLOR</b>  <b>WH</b> White <b>BK</b> Black		
<b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed <b>P3</b> Pass Through 3 (Input/output) - Left Side Feed <b>P4</b> Pass Through 4 (Input/output) - Right Side Feed For continuous mounting, consider bottom or side feed	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" 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> <b>WIRE TYPE</b>  <b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated  CL2P only available with bare wire leads (BW)	<b>12</b> <b>MOUNTING</b>  <b>SST</b> Stainless Steel <b>PL</b> Plastic Clip	<b>13</b> <b>FINISH</b>  <b>ST</b> Satin <b>BK</b> Black <b>BZ</b> Bronze <b>CU</b> Custom  Custom finishes require a longer lead time, consult factory	<b>14</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15</b> <b>EXACT/OPTIMAL</b>  <b>O</b> Optimal Illumination <b>E</b> 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.	

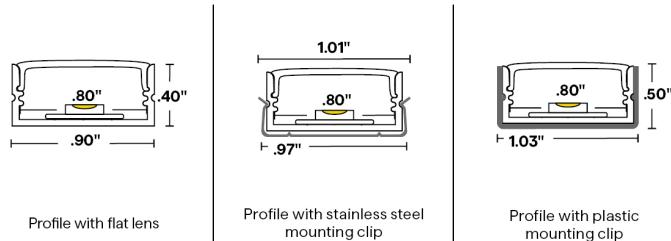
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



# ESSENTIALS WIDE-FLAT (01) SW-IA

## 24VDC Linear Fixtures - Surface

### 1 PRODUCT - DIMENSIONS



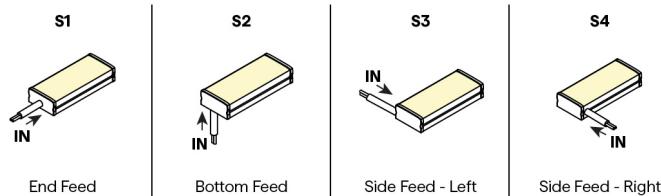
### 6 DIODE VISIBILITY



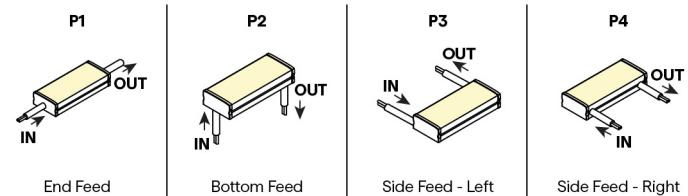
DF - Diffused lens  
PR - Polar lens  
FR - Frosted lens  
CL - Clear lens

### 7 WIRE INPUT/OUTPUT

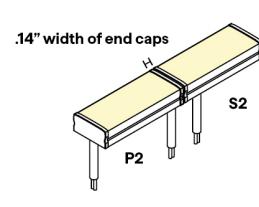
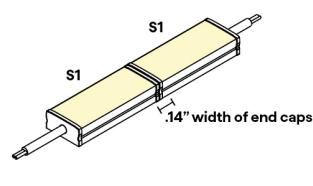
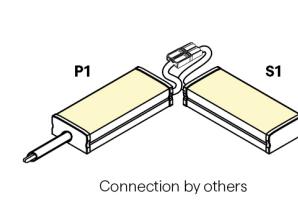
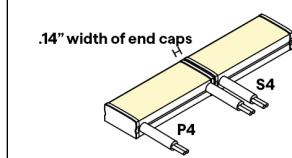
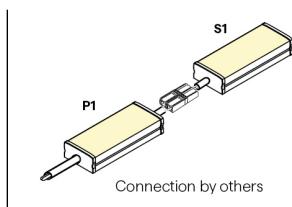
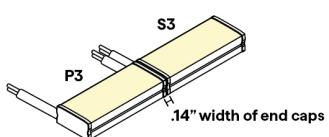
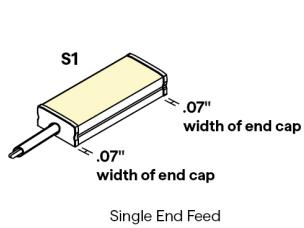
SINGLE (Input only)



PASS THROUGH (Input/Output)



### CONFIGURATION OPTIONS



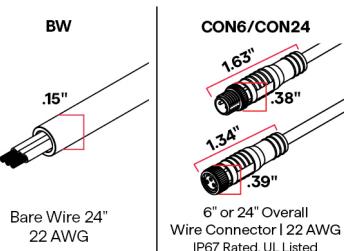


# ESSENTIALS WIDE-FLAT (01) SW-IA

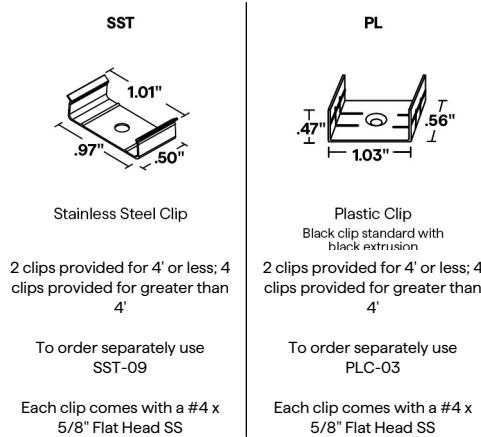
## 24VDC Linear Fixtures - Surface

### 8 / 9 CONNECTOR/WIRE – IN/OUT

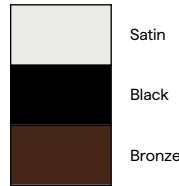
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



### 12 MOUNTING



### 13 FINISH

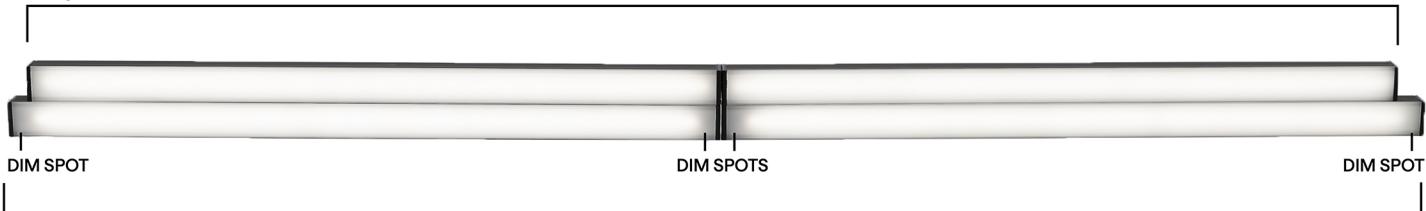


Custom finishes require a longer lead time, consult factory

### 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



# ESSENTIALS WIDE-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

## 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 & S2	P1 & P2	S3 & S4	P3 & P4
12"	10.46"	10.71"	10.46"	10.56"
13"	10.46"	10.71"	10.46"	10.56"
14"	13.81"	10.71"	13.81"	13.91"
15"	13.81"	14.06"	13.81"	13.91"
16"	13.81"	14.06"	13.81"	13.91"
17"	13.81"	14.06"	13.81"	13.91"
18"	17.16"	17.41"	17.16"	17.26"
19"	17.16"	17.41"	17.16"	17.26"
20"	17.16"	17.41"	17.16"	17.26"
21"	20.51"	20.76"	20.51"	20.61"
22"	20.51"	20.76"	20.51"	20.61"
23"	20.51"	20.76"	20.51"	20.61"
24"	23.86"	20.76"	23.86"	23.96"
36"	33.91"	34.16"	33.91"	34.01"
48"	47.31"	47.56"	47.31"	47.41"
60"	57.36"	57.61"	57.36"	57.46"
72"	70.76"	71.01"	70.76"	70.86"
84"	80.81"	81.06"	80.81	80.91"
96"	94.21"	94.46"	94.21"	94.31"

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $\pm 0 - 5\%$  tolerance.

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

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

## COMPATIBLE MOUNTING ACCESSORIES

Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	QUOVA Knife Edge
.141"	.71"	1.46" 1.29"	4" 1.46"	.75" 1.03"	2.23" 1.38"



## ESSENTIALS WIDE-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

### COMPATIBLE WIRING ACCESSORIES

 Q-mini-J 2" 1.25"	 Q-mini-J5 2.80" 2.27"	 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
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