



# ESSENTIALS LATO-FLAT (01) SW-IA

24VDC Linear Fixtures - Recessed

white optics

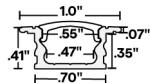


RoHS  
COMPLIANT



5 YEAR WARRANTY

Declare



- Shallow flanged recessed fixture
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Flanged design merges light source with surface
- Stainless steel mounting clips
- 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
LT1IA	5.0		DRY								SST			

Sample Part Number: LT1IA-5.0-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

<b>1</b> <b>PRODUCT</b> LT1IA 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 WO White Optics WhiteOptics - Internal coating, greater lumen output	<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 For continuous mounting, consider bottom 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> WH White BK Black		
<b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed For continuous mounting, consider bottom 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> CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	<b>12</b> <b>MOUNTING</b> SST Stainless Steel	<b>13</b> <b>FINISH</b> ST Satin BK Black BZ Bronze CU 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> 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.	

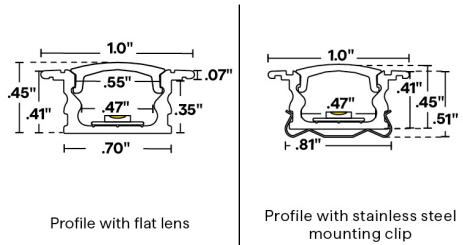
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | Patent # D799,065 S



# ESSENTIALS LATO-FLAT (01) SW-IA

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS



Profile with flat lens

Profile with stainless steel mounting clip

## 6 DIODE VISIBILITY



DF - Diffused lens

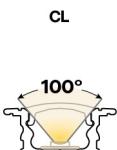
PR - Polar lens

FR - Frosted lens

CL - Clear lens

## PHOTOMETRIC PERFORMANCE

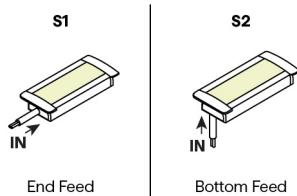
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



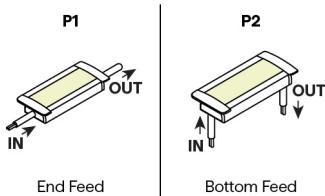
Clear 100°

## 7 WIRE INPUT/OUTPUT

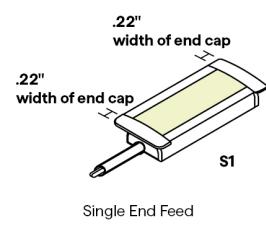
SINGLE (Input only)



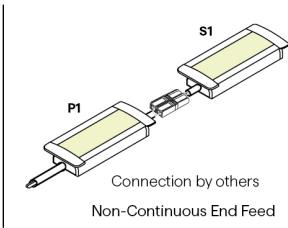
PASS THROUGH (Input/Output)



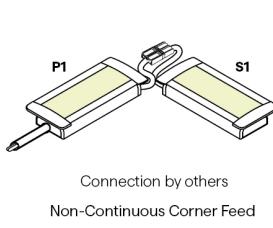
## CONFIGURATION OPTIONS



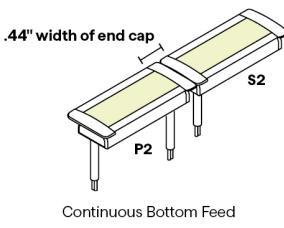
Single End Feed



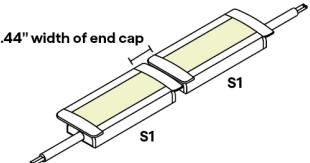
Connection by others  
Non-Continuous End Feed



Connection by others  
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous End to End Feed

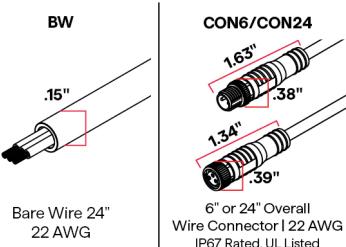


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### 8 / 9 CONNECTOR/WIRE – IN/OUT

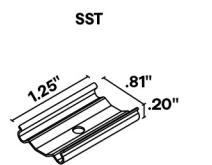
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



### 10 WIRE COLOR



### 12 MOUNTING



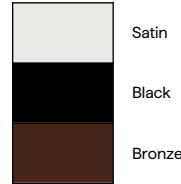
Stainless Steel Clip

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

### 13 FINISH



Custom finishes require a longer lead time, consult factory

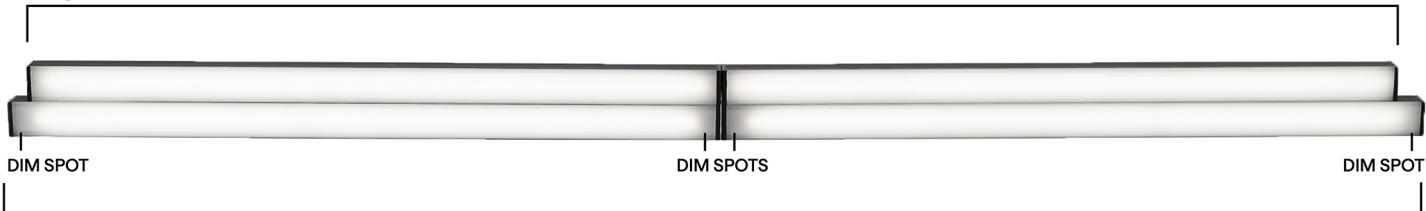
### 15 EXACT/OPTIMAL FIXTURE LENGTH

[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



#### Exact Fixtures



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## 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  $+0 - 1/8"$ . 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	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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  $+/- 5\%$  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	Double sided mounting tape
.141" .71"	1.46" 1.29"	1.46" 4"	.75" 1.03"	2.23" 1.38"	



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### COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



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