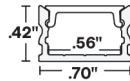
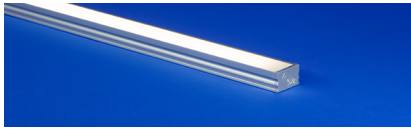




ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed



- Shallow, low-profile fixture for surface or recessed installations
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Three mounting options
- Features painted end caps to match extrusion finish
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS	EXTERNAL LOUVER	WIRE INPUT/OUTPUT	CONNECTOR / WIRE IN	CONNECTOR / WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/OPTIMAL
LL11A	5.0		DRY	STD											

Sample Part Number: LL11A-5.0-30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

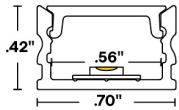
<div>1</div> <div>PRODUCT</div> <div>LL11A</div> <div>See following pages for compatible power supplies.</div>	<div>2</div> <div>WATTS/FT</div> <div>5.05.0W/ft</div>	<div>3</div> <div>CCT</div> <div>272700K 303000K 353500K 404000K</div>	<div>4</div> <div>RATED</div> <div>DRYIP20</div>	<div>5</div> <div>EFFICIENCY</div> <div>STDStandard</div>	<div>6</div> <div>LENS</div> <div>DFDiffused PRPolar FRFrosted CLClear</div> <div>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div>	<div>7</div> <div>EXTERNAL LOUVER</div> <div>L1-WHWhite Plastic L1-BKBlack Plastic N/ANo Louver</div> <div>Louvers are shipped separately and require field assembly</div>
<div>8</div> <div>WIRE INPUT/OUTPUT</div> <div>S1Single 1 (Input only) - End Feed S2Single 2 (Input only) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed.</div>	<div>9</div> <div>CONNECTOR/WIRE IN</div> <div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div> <div>Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div>	<div>10</div> <div>CONNECTOR/WIRE OUT</div> <div>CLSClosed End (No feed)</div>	<div>11</div> <div>WIRE COLOR</div> <div>WHWhite BKBlack</div>			
<div>12</div> <div>WIRE TYPE</div> <div>CL2Class 2 CL2PPlenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>13</div> <div>MOUNTING</div> <div>SSTStainless Steel M4Low Profile Magnet MGMagnet</div>	<div>14</div> <div>FINISH</div> <div>STSatin BKBlack CUCustom</div>	<div>15</div> <div>LENGTH (IN)</div> <div>Fixture length min 12", max 98.43" not including end caps. Tolerance +0 – 1/8". Consult factory for lengths under 12".</div>	<div>16</div> <div>EXACT/OPTIMAL</div> <div>OOptimal Illumination EExact Specified Length</div> <div>Exact fixtures are the exact length specified +0 – 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.</div>		



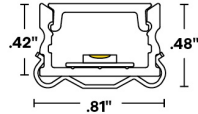
ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

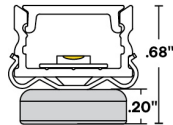
1 PRODUCT - DIMENSIONS



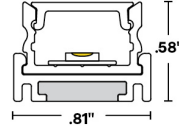
Profile with flat lens



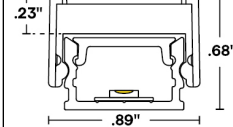
Profile with flat lens and stainless steel mounting clip



Profile with flat lens and magnet mounting clip



Profile with flat lens and low profile magnet



Profile with flat lens and plastic louver

6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

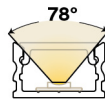
FR - Frosted lens

CL - Clear lens

PHOTOMETRIC PERFORMANCE

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

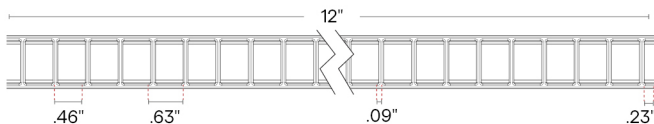
CL



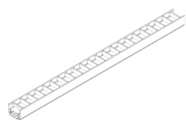
Clear 78°

7 EXTERNAL LOUVER

PLASTIC



L1-XX



Lumen Multiplier

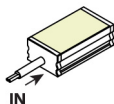
WH BK

0.72 0.53

8 WIRE INPUT/OUTPUT

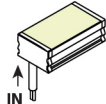
SINGLE (Input only)

S1



End Feed

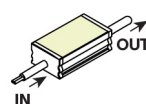
S2



Bottom Feed

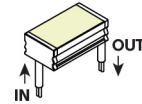
PASS THROUGH (Input/Output)

P1



End Feed

P2



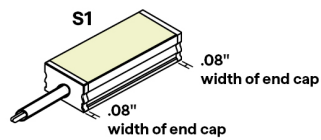
Bottom Feed



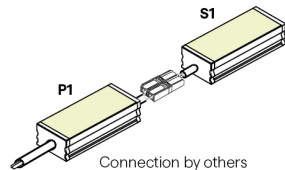
ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

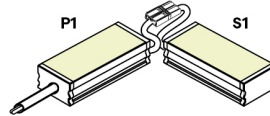
CONFIGURATION OPTIONS



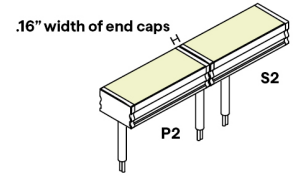
Single End Feed



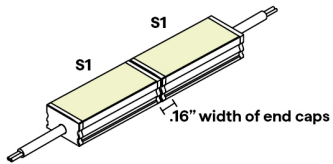
Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed



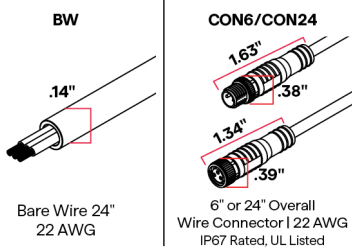
Continuous Bottom Feed



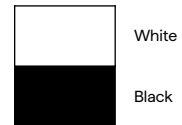
Continuous End to End Feed

9 / 10 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



11 WIRE COLOR





ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

13 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

14 FINISH

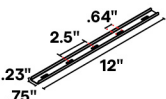


Satin

Black

Custom color available

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

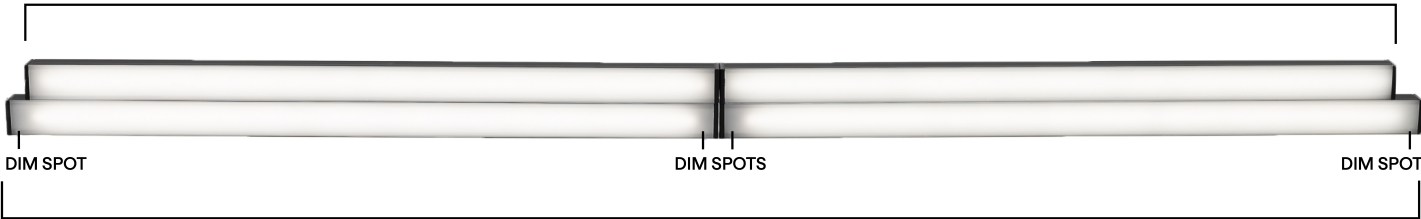
16 EXACT/OPTIMAL FIXTURE LENGTH

[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



ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

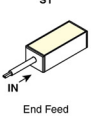
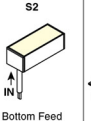
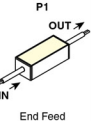
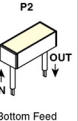
SW-IA DRY LENGTHS BY INCH

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 	S2 	P1 	P2 
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"	


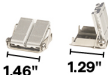


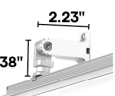
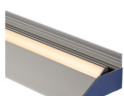



COMPATIBLE POWER SUPPLIES

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

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	QUOVA-STANDARD	VHB	NJ-MEDIUM	SD-L-MEDIUM
								
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	QUOVA Knife Edge	Double sided mounting tape	J Mounting Bracket	L Mounting Bracket

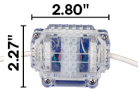


ESSENTIALS LALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



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