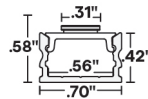
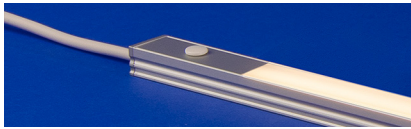




ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

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
- Flanged design merges light source with surface
- Built-in dimming module
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- 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

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
LL1SC-ID	5.0		DRY	STD											

Sample Part Number: LL1SC-ID-5.0-GR-DRY-STD-DF-P1-BW-BK-CL2-SST-BK-48"-E

<div>1</div> <div>PRODUCT</div> <div>LL1SC-ID</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>A B G R</div> <div>Amber Blue Green Red</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>DF PR FR CL</div> <div>Diffused Polar Frosted Clear</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-WHL1-BKN/A</div> <div>White Plastic Black Plastic No Louver</div> <div>Louvers are shipped separately and require field assembly</div>
<div>8</div> <div>WIRE INPUT/OUTPUT</div> <div>S1 S2</div> <div>Single 1 (Input only) - End Feed Single 2 (Input only) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed.</div> <div>P1 P2</div> <div>Pass Through 1 (Input/output) - End Feed Pass Through 2 (Input/output) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed.</div>	<div>9</div> <div>CONNECTOR/WIRE IN</div> <div>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 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>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 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>CLS</div> <div>Closed End (No feed)</div> <div>BW BRL CON6 CON24</div> <div>Bare Wire (Standard 24") Barrel Connector 6" Connector 24"</div> <div>Connector/Wire Out not needed to specify product. Typical selection is CLS or 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>11</div> <div>WIRE COLOR</div> <div>WH BK N/A</div> <div>White Black For Barrel</div> <div>wet barrel only available in black</div>			
<div>12</div> <div>WIRE TYPE</div> <div>CL2 CL2P N/A</div> <div>Class 2 Plenum Rated For Barrel</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>13</div> <div>MOUNTING</div> <div>SST M4 MG</div> <div>Stainless Steel Low Profile Magnet Magnet</div>	<div>14</div> <div>FINISH</div> <div>ST BK CU</div> <div>Satin Black Custom</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>O E</div> <div>Optimal Illumination Exact 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>		

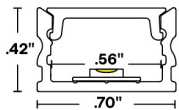
Push Button: On/Off | Press and hold: Dimming | Dimming down to 4% | 5 year warranty | Warranty only valid with QTL non-dimming power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



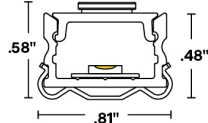
ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

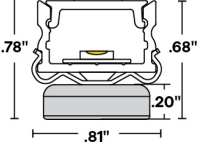
1 PRODUCT - DIMENSIONS



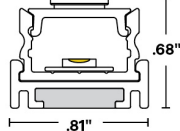
Profile with flat lens



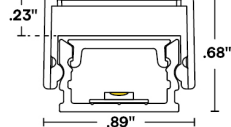
Profile with flat lens, inline dimmer and stainless steel mounting clip



Profile with flat lens, inline dimmer and magnet mounting clip



Profile with flat lens, inline dimmer and low profile magnet



Profile with flat lens and plastic louver

2 DELIVERED LUMENS

[Calculated L70 = 30000 hrs]
Tested with LL1SC-5.0-**-DRY-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	82	633	444	517	115	466	74	597
FR	82	633	443	517	115	466	74	597
PR	74	633	399	517	103	466	67	597
DF	66	633	358	517	93	466	60	597

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 78°

TEMPERATURE RATINGS

	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	115°F
Storage Temp	-4°F	140°F
Install Temp	50°F	100°F

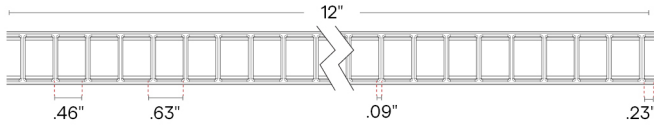


ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

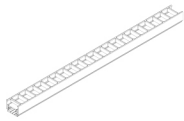
24VDC Linear Fixtures - Surface & Recessed

7 EXTERNAL LOUVER

PLASTIC



L1-XX



Lumen Multiplier

WH

BK

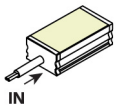
0.72

0.53

8 WIRE INPUT/OUTPUT

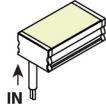
SINGLE (Input only)

S1



End Feed

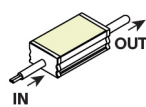
S2



Bottom Feed

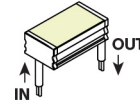
PASS THROUGH (Input/Output)

P1



End Feed

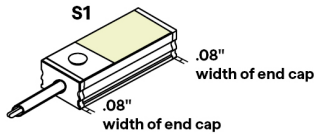
P2



Bottom Feed

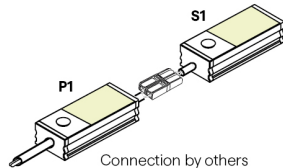
CONFIGURATION OPTIONS

S1



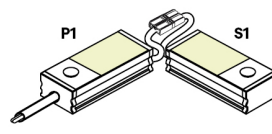
Single End Feed

S1



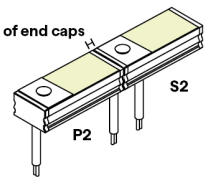
Connection by others
Non-Continuous End Feed

P1



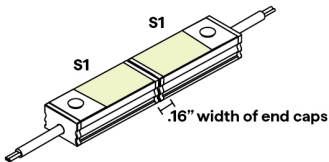
Connection by others
Non-Continuous Corner Feed

.16" width of end caps



Continuous Bottom Feed

S1



Continuous End to End Feed

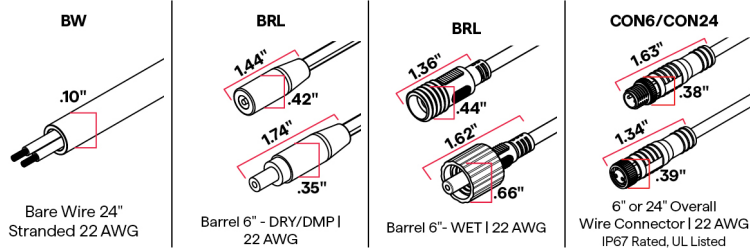


ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

9 / 10 CONNECTOR/WIRE - IN/OUT

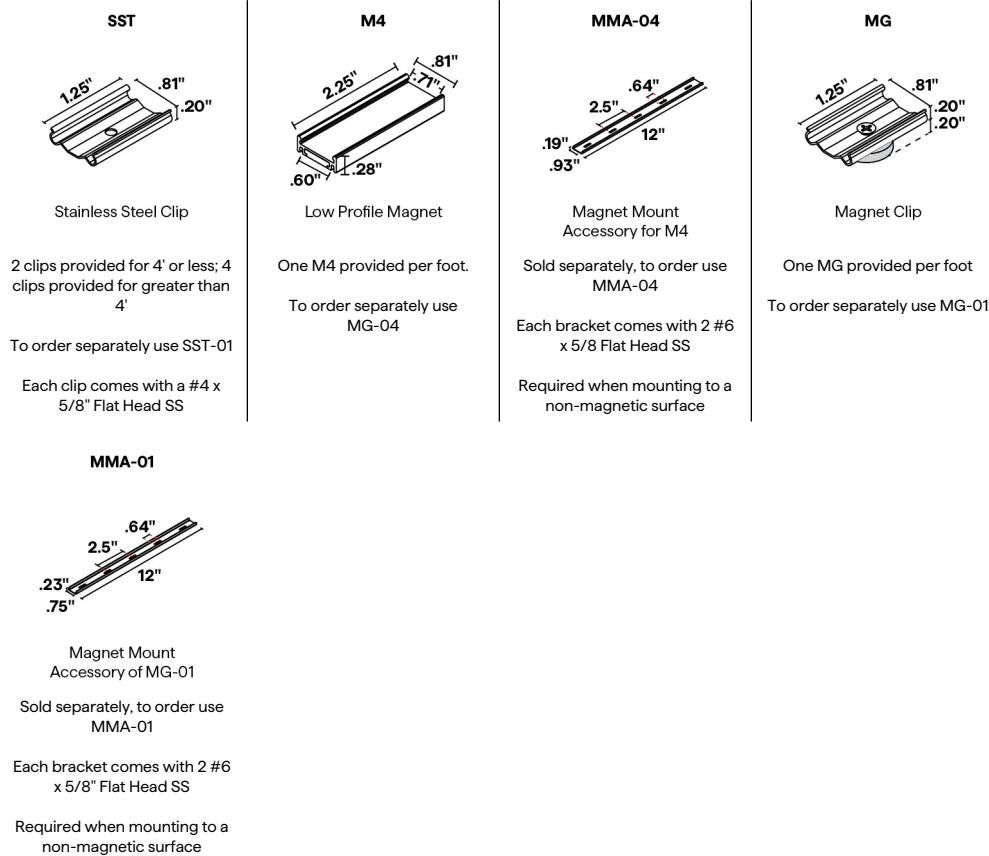
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



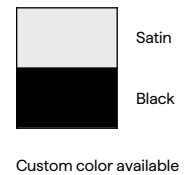
11 WIRE COLOR



13 MOUNTING



14 FINISH





ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

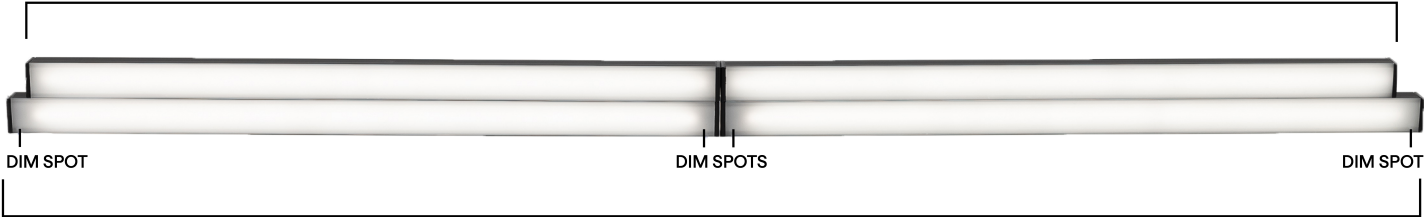
16 EXACT/OPTIMAL FIXTURE LENGTH

[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

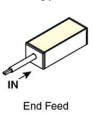
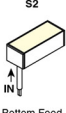
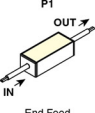
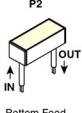
SC DRY LENGTHS BY INCH

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"	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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	10.5"		10.75"	
13"	12.5"		12.75"	
14"	12.5"		12.75"	
15"	14.5"		14.75"	
16"	14.5"		14.75"	
17"	16.5"		16.75"	
18"	16.5"		16.75"	
19"	18.5"		18.75"	
20"	18.5"		18.75"	
21"	20.5"		20.75"	
22"	20.5"		20.75"	
23"	22.5"		22.75"	
24"	22.5"		22.75"	
36"	34.5"		34.75"	
48"	46.5"		46.75"	
60"	58.5"		58.75"	
72"	70.5"		70.75"	
84"	82.5"		82.75"	
96"	94.5"		94.75"	

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.


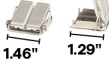



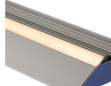



DIMMING PROTOCOL	INDOOR
	SC
Non-Dim	QTM-eLED-ND QZ-ND




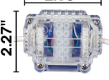





ESSENTIALS LALO-FLAT-DIMMER (01) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	QUOVA-STANDARD	VHB	NJ-MEDIUM	SD-L-MEDIUM
								
1.41" .71"	1.46" 1.29"	4" 1.46"	.75" 1.03"	2.23" 1.38"				
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

COMPATIBLE WIRING ACCESSORIES

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