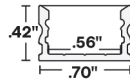
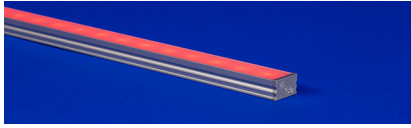




ESSENTIALS LALO- ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed



- Shallow, low-profile fixture for surface or recessed installations
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations (IK10)
- Three mounting options
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Red, Green, Blue or Amber LEDs available
- FWC 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	17	18
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	EXTERNAL LOUVER	WIRE INPUT/ OUTPUT	CONNECTOR / WIRE IN	CONNECTOR / WIRE OUT	INPUT END CAP	OUTPUT END CAP	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
LL3SC	5.0		ENC	STD													

Sample Part Number: **LL3SC-5.0-G-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E**

<div>1</div> <div>PRODUCT</div> <div>LL3SC</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>ENCIP67</div>	<div>5</div> <div>EFFICIENCY</div> <div>STDStandard</div>	<div>6</div> <div>LENS</div> <div>CLClear TLTranslucent</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>P1Pass Through 1 (Input/output) - End Feed P2Pass Through 2 (Input/output) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed</div>	<div>9</div> <div>CONNECTOR/WIRE IN</div> <div>BWBRL 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>BWBRL 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>BWBRL 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>INPUT END CAP</div> <div>STDStandard CLClear</div> <div>STD - End cap matches fixture finish chosen</div> <div>Select CL for continuous runs</div>	<div>12</div> <div>OUTPUT END CAP</div> <div>STDStandard CLClear</div> <div>STD - End cap matches fixture finish chosen</div> <div>Select CL for continuous runs</div>	<div>13</div> <div>WIRE COLOR</div> <div>WHWhite BKBlack N/AFor Barrel</div>	<div>14</div> <div>WIRE TYPE</div> <div>CL2Class 2 CL2PPlenum Rated N/AFor Barrel</div> <div>CL2P only available with bare wire leads (BW)</div>			
<div>15</div> <div>MOUNTING</div> <div>SSTM4MG</div> <div>Stainless Steel Low Profile Magnet Magnet</div>	<div>16</div> <div>FINISH</div> <div>STBKCU</div> <div>Satin Black Custom</div>	<div>17</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>18</div> <div>EXACT/OPTIMAL</div> <div>OE</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>			

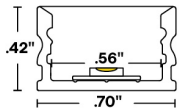
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | Florida Fish and Wildlife Conservation Commission (FWC) rated Strips: Red and Amber | IK10 rated



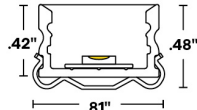
ESSENTIALS LALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

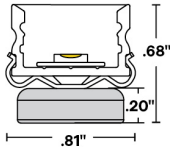
1 PRODUCT - DIMENSIONS



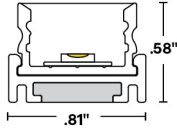
Profile



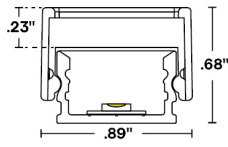
Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet



Profile with plastic louver

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with LL3SC-5.0-**-ENC-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	61	633	332	517	86	466	55	597
TL	35	633	189	517	49	466	32	597

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

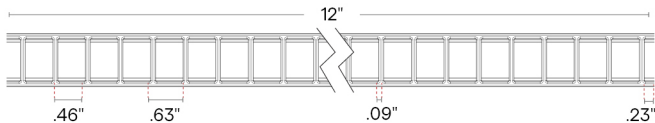
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

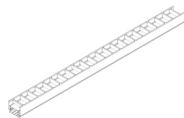
	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F

7 EXTERNAL LOUVER

PLASTIC



L1-XX



Lumen Multiplier

WH

BK

0.72

0.53

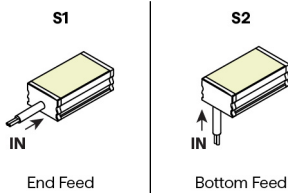


ESSENTIALS LALO-ENCAPSULATED (03) STATIC COLOR

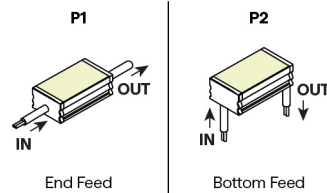
24VDC Linear Fixtures - Surface & Recessed

8 WIRE INPUT/OUTPUT

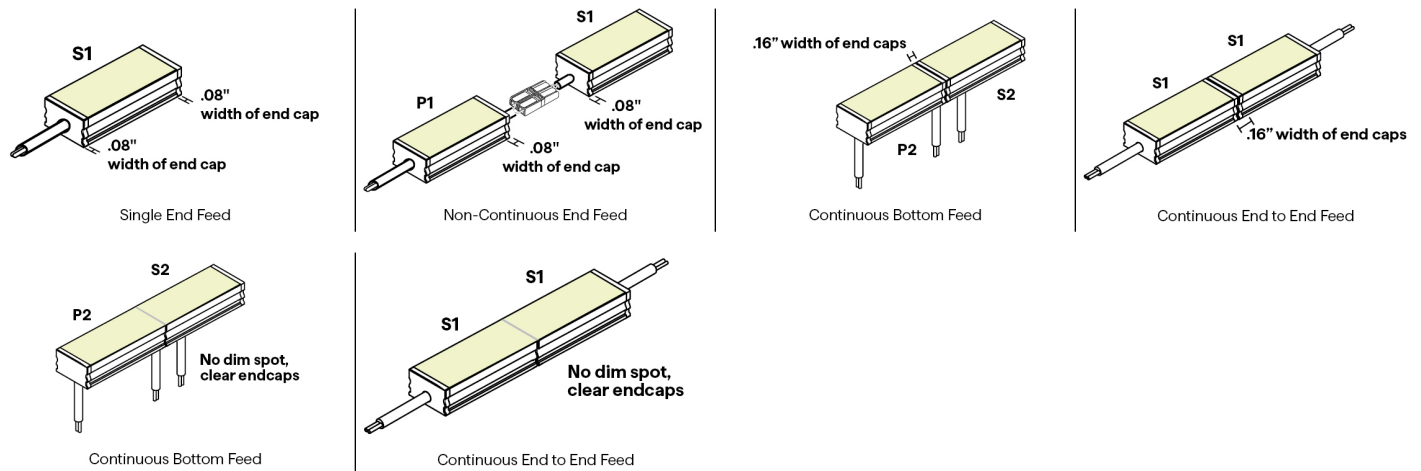
SINGLE (Input only)



PASS THROUGH (Input/Output)

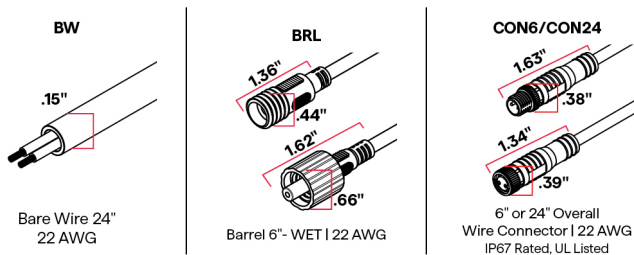


CONFIGURATION OPTIONS

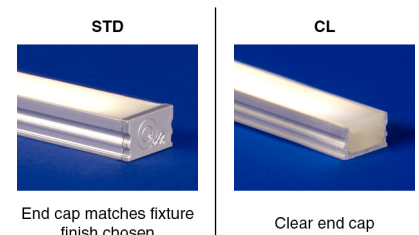


9 / 10 CONNECTOR/WIRE - IN/OUT

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



11 / 12 END CAP - IN/OUT





ESSENTIALS LALO-ENCAPSULATED (03) STATIC COLOR

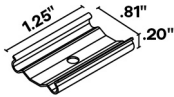
24VDC Linear Fixtures - Surface & Recessed

13 WIRE COLOR



15 MOUNTING

SST



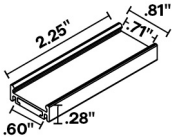
Stainless Steel Clip

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 screw

M4

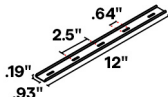


Low Profile Magnet

One M4 provided per foot

To order separately use MG-04

MMA-04



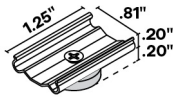
Magnet Mount Accessory for M4

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

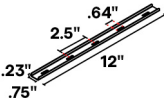
To order separately use MG-01

16 FINISH



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

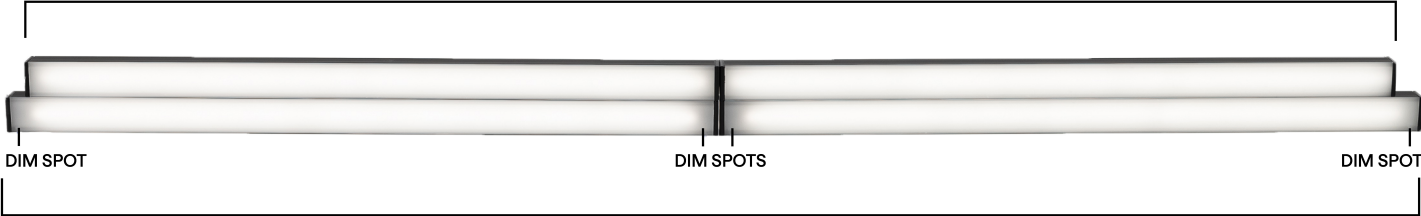
18 EXACT/OPTIMAL FIXTURE LENGTH

[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-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

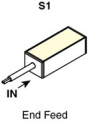
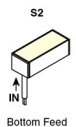
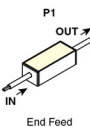
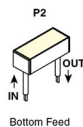
SC ENC LENGTHS BY INCH

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"	10.41"		10.66"	
13"	12.41"		12.66"	
14"	12.41"		12.66"	
15"	14.41"		14.66"	
16"	14.41"		14.66"	
17"	16.41"		16.66"	
18"	16.41"		16.66"	
19"	18.41"		18.66"	
20"	18.41"		18.66"	
21"	20.41"		20.66"	
22"	20.41"		20.66"	
23"	22.41"		22.66"	
24"	22.41"		22.66"	
36"	34.41"		34.66"	
48"	46.41"		46.66"	
60"	58.41"		58.66"	
72"	70.41"		70.66"	
84"	82.41"		82.66"	
96"	94.41"		94.66"	

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	SC	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-DMX QZ-PH/0-10V
1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED(E) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	


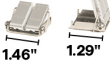



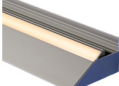




ESSENTIALS LALO-ENCAPSULATED (03) STATIC COLOR


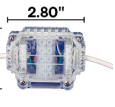



24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SC	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M  1.41" .71" Adjustable mounting bracket - Medium	HINGE - HMB-L  1.46" 1.29" Adjustable mounting bracket - Large	HINGE - HMB-XL  4" 1.46" Adjustable mounting bracket - XLarge	Q-PIVOT  .75" 1.03" Small mounting accessory	Q-ANGLE  2.23" 1.38" Adjustable mounting accessory	QUOVA-STANDARD  QUOVA Knife Edge	NJ-MEDIUM  J Mounting Bracket	SD-L-MEDIUM  L Mounting Bracket
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COMPATIBLE WIRING ACCESSORIES

Q-mini-J  2" 1.25" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	Q-mini-J5  2.80" 2.27" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	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
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ESSENTIALS LALO-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage