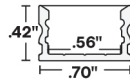
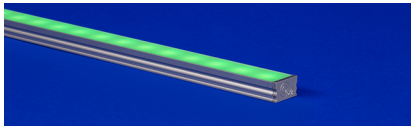




ESSENTIALS LALO- ENCAPSULATED (03) RGB

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, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS	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
LL3RGB	6.0	RGB	ENC	STD												

Sample Part Number: LL3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E

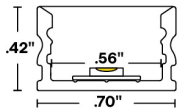
<div><div>1</div><div>PRODUCT</div></div> <div>LL3RGB</div> <div>See following pages for compatible power supplies.</div>	<div><div>2</div><div>WATTS/FT</div></div> <div>6.06.0W/ft</div>	<div><div>3</div><div>CCT</div></div> <div>RGB</div>	<div><div>4</div><div>RATED</div></div> <div>ENCIP67</div>	<div><div>5</div><div>EFFICIENCY</div></div> <div>STDStandard</div>	<div><div>6</div><div>LENS</div></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><div>7</div><div>WIRE INPUT/OUTPUT</div></div> <div><div>S1</div><div>Single 1 (Input only) - End Feed</div><div>S2</div><div>Single 2 (Input only) - Bottom Feed</div></div> <div><div>P1</div><div>Pass Through 1 (Input/output) - End Feed</div><div>P2</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div>	<div><div>8</div><div>CONNECTOR/WIRE IN</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div></div>	<div><div>9</div><div>CONNECTOR/WIRE OUT</div></div> <div><div>CLS</div><div>Closed End (No feed)</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div></div>			
For continuous mounting, consider bottom feed		BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		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>INPUT END CAP</div></div> <div><div>STD</div><div>Standard</div><div>CL</div><div>Clear</div></div> <div>STD - End cap matches fixture finish chosen</div> <div>Select CL for continuous runs</div>	<div><div>11</div><div>OUTPUT END CAP</div></div> <div><div>STD</div><div>Standard</div><div>CL</div><div>Clear</div></div> <div>STD - End cap matches fixture finish chosen</div> <div>Select CL for continuous runs</div>	<div><div>12</div><div>WIRE COLOR</div></div> <div><div>WH</div><div>White</div><div>BK</div><div>Black</div></div>	<div><div>13</div><div>WIRE TYPE</div></div> <div><div>CL2</div><div>Class 2</div><div>CL2P</div><div>Plenum Rated</div></div> <div>CL2P only available with bare wire leads (BW)</div>		
<div><div>14</div><div>MOUNTING</div></div> <div><div>SST</div><div>Stainless Steel</div><div>M4</div><div>Low Profile Magnet</div><div>MG</div><div>Magnet</div></div>	<div><div>15</div><div>FINISH</div></div> <div><div>ST</div><div>Satin</div><div>BK</div><div>Black</div><div>CU</div><div>Custom</div></div> <div>Custom finishes require a longer lead time, consult factory</div>	<div><div>16</div><div>LENGTH (IN)</div></div> <div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div>	<div><div>17</div><div>EXACT/OPTIMAL</div></div> <div><div>O</div><div>Optimal Illumination</div><div>E</div><div>Exact Specified Length</div></div> <div>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.</div>		



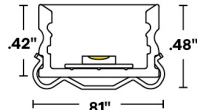
ESSENTIALS LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

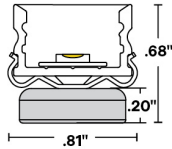
1 PRODUCT - DIMENSIONS



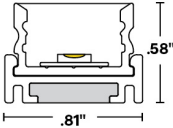
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with LL3RGB-6.0-RGB-ENC-STD

	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
CL	59	633	119	523	34	469	191
TL	34	633	68	523	19	469	109

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

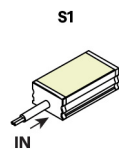
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

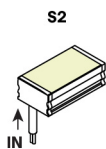
	6.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-13°F	95°F

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

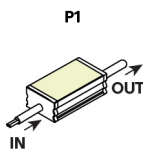


End Feed

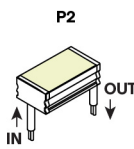


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



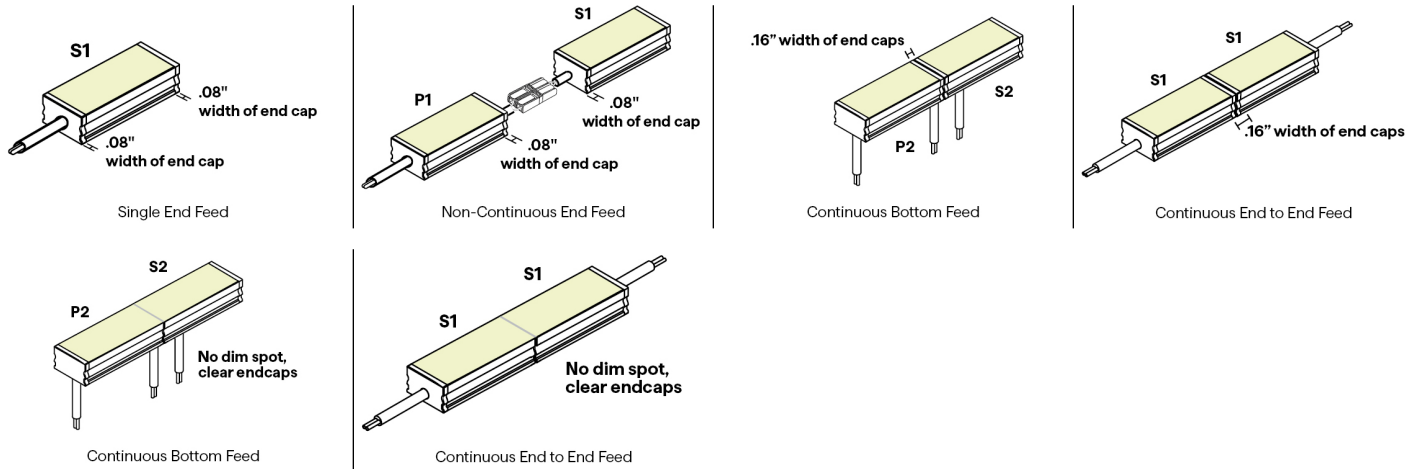
Bottom Feed



ESSENTIALS LALO-ENCAPSULATED (03) RGB

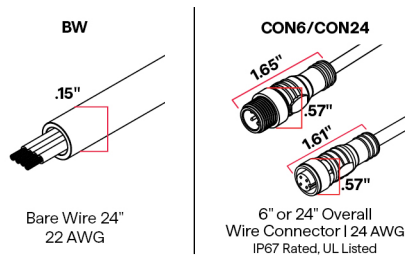
24VDC Linear Fixtures - Surface & Recessed

CONFIGURATION OPTIONS

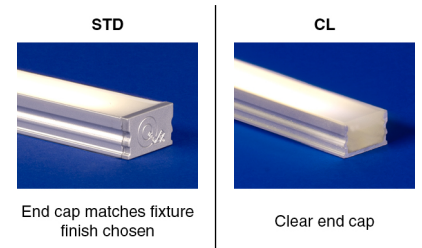


8 / 9 CONNECTOR/WIRE - IN/OUT

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



10 / 11 END CAP - IN/OUT





ESSENTIALS LALO-ENCAPSULATED (03) RGB

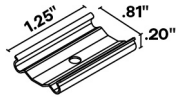
24VDC Linear Fixtures - Surface & Recessed

12 WIRE COLOR



14 MOUNTING

SST



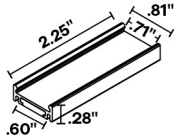
Stainless Steel Clip

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

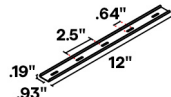


Low Profile Magnet

One M4 provided per foot

To order separately use MG-04

MMA-04



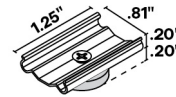
Magnet Mount Accessory for M4

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

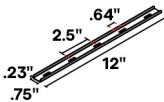
To order separately use MG-01

15 FINISH



Custom finishes require a longer lead time, consult factory

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

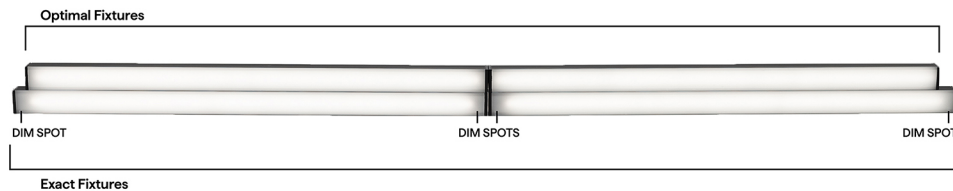
Required when mounting to a non-magnetic surface

17 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.





ESSENTIALS LALO-ENCAPSULATED (03) RGB

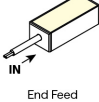
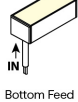
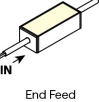
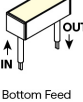
24VDC Linear Fixtures - Surface & Recessed

RGB ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	S1 
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

Requested Nominal Length	S1 & S2		P1 & P2	
	S1 	S2 	P1 	P2 
12"	10.51"		10.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	14.51"		14.86"	
16"	14.51"		14.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	18.51"		18.86"	
20"	18.51"		18.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	22.51"		22.86"	
24"	22.51"		22.86"	
36"	34.51"		34.86"	
48"	46.51"		46.86"	
60"	58.51"		58.86"	
72"	70.51"		70.86"	
84"	82.51"		82.86"	
96"	94.51"		94.86"	

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
	RGB	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGB	RGB
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8



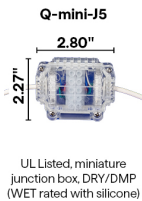
ESSENTIALS LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium
HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium
HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium

COMPATIBLE WIRING ACCESSORIES



COMPATIBLE CONTROL ACCESSORIES



COMPATIBLE APPS

