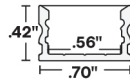
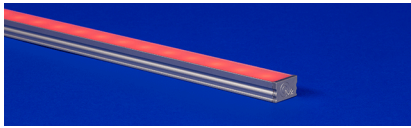




# ESSENTIALS LALO- ENCAPSULATED (03) RGBW

## 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 paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" outpoint allowing for minimal diode visibility
- Optional plastic louver accessory available in white or black for added glare control

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
LL3RGBW			ENC	STD												

Sample Part Number: LL3RGBW-4.0HE-30-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E

1

PRODUCT

LL3RGBW

See following pages for compatible power supplies.

2

WATTS/FT

6.06.0W/ft

4.0HE4.0W/ft HE

3

CCT

27RGBW-2700K  
30RGBW-3000K

27RGBW-2700K  
30RGBW-3000K  
35RGBW-3500K  
40RGBW-4000K

4

RATED

ENCIP67

5

EFFICIENCY

STDStandard

6

LENS

CLClear  
TLTranslucent

For representation of LED visibility, see Diode Visibility section on following pages.  
For beam angles, see Photometric Performance section on following pages  
For optional snap-on louver ordering, see External Louver Accessory section on following pages

7

WIRE INPUT/OUTPUT

S1Single 1 (Input only) - End Feed  
S2Single 2 (Input only) - Bottom Feed

P1Pass Through 1 (Input/output) - End Feed  
P2Pass Through 2 (Input/output) - Bottom Feed

8

CONNECTOR/WIRE IN

BWBare Wire (Standard 24")  
CON6Connector 6"  
CON24Connector 24"

BWBare Wire (Standard 24")  
CON6Connector 6"  
CON24Connector 24"

9

CONNECTOR/WIRE OUT

CLSClosed End (No feed)

BWBare Wire (Standard 24")  
CON6Connector 6"  
CON24Connector 24"

10

INPUT END CAP

STDStandard  
CLClear

STD - End cap matches fixture finish chosen  
Select CL for continuous runs

11

OUTPUT END CAP

STDStandard  
CLClear

STD - End cap matches fixture finish chosen  
Select CL for continuous runs

12

WIRE COLOR

WHWhite  
BKBlack

13

WIRE TYPE

CL2Class 2  
CL2PPlenum Rated

CL2P only available with bare wire leads (BW)

14

MOUNTING

SSTStainless Steel  
M4Low Profile Magnet  
MGMagnet

15

FINISH

STSatin  
BKBlack  
CUCustom

Custom finishes require a longer lead time, consult factory

16

LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

17

EXACT/OPTIMAL

OOptimal Illumination  
EExact Specified Length

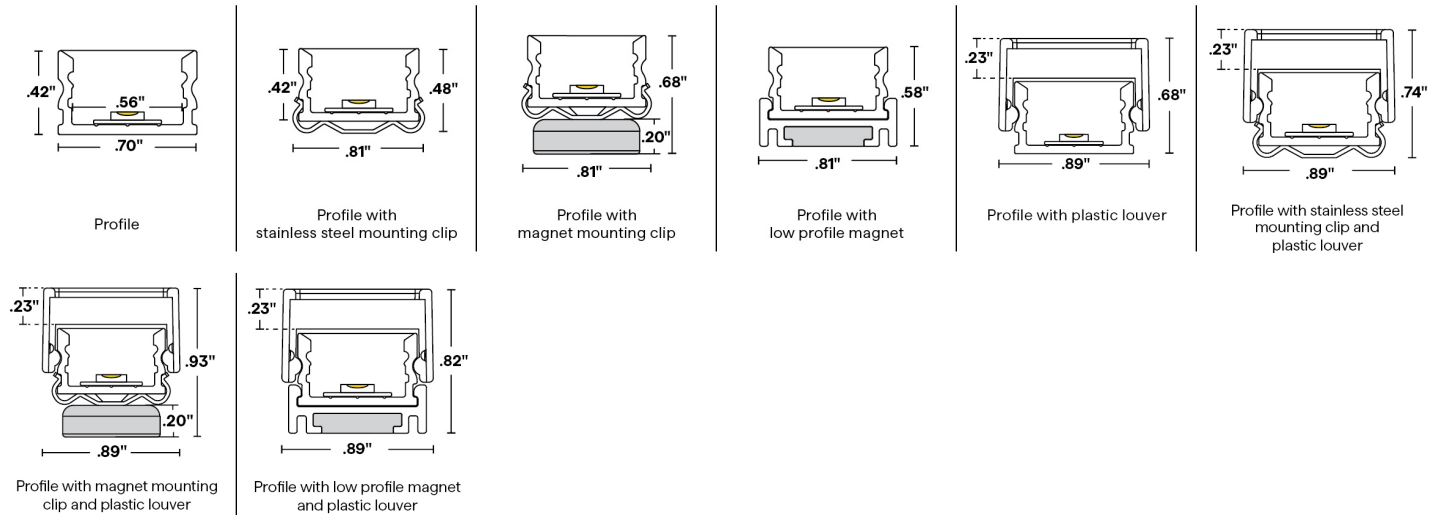
Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.



# ESSENTIALS LALO-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS

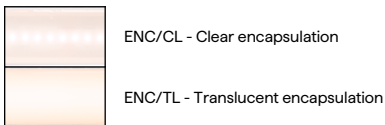


## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with LL3RGBW-\*\*-30-ENC-STD

	6.0 W/FT								4.0HE W/FT							
	Red		Green		Blue		3000K		Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	27	631	73	513	22	464	93	93	24	629	90	516	19	465	55	97
TL	15	631	41	513	12	464	53	93	13	629	51	516	11	465	32	97

## 6 DIODE VISIBILITY



## TEMPERATURE RATINGS

	6.0 W/FT		4.0 HE W/FT	
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	100°F	-4°F	110°F

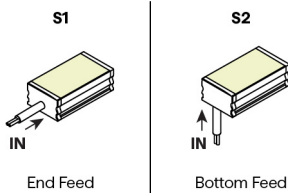


# ESSENTIALS LALO-ENCAPSULATED (03) RGBW

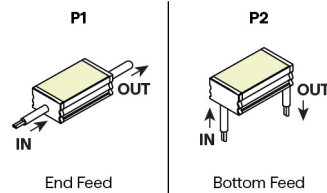
24VDC Linear Fixtures - Surface & Recessed

## 7 WIRE INPUT/OUTPUT

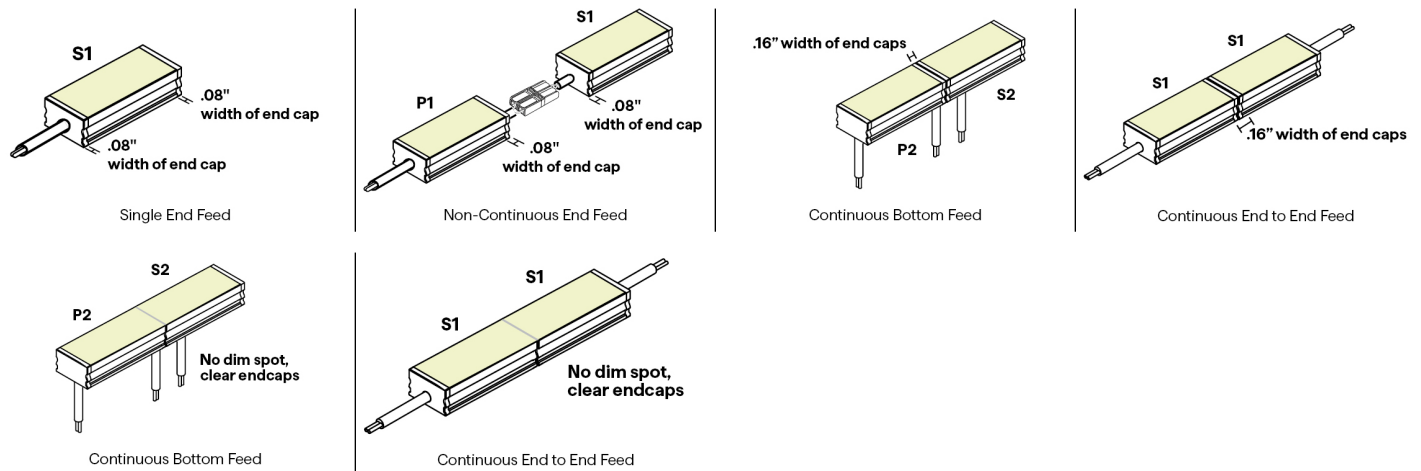
SINGLE (Input only)



PASS THROUGH (Input/Output)

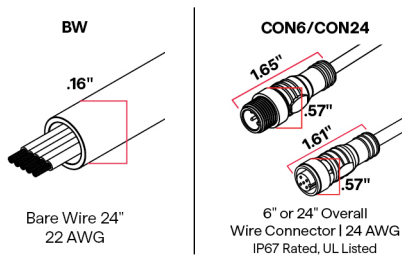


## CONFIGURATION OPTIONS

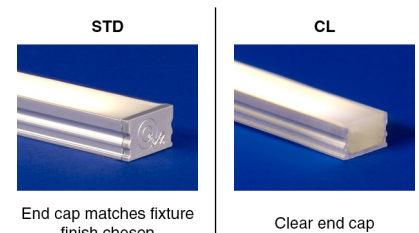


## 8 / 9 CONNECTOR/WIRE - IN/OUT

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) RGBW

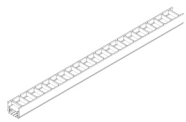
24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

### PLASTIC



L1-XX



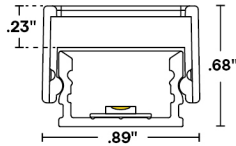
Lumen Multiplier

WH

BK

0.71

0.48



Profile with plastic louver

To order separately use  
LALO-L1-FLAT-KIT-WH or  
LALO-L1-FLAT-KIT-BK

### 12 WIRE COLOR

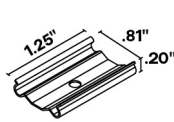


White

Black

### 14 MOUNTING

SST



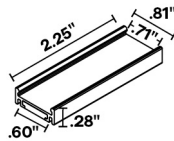
Stainless Steel Clip

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

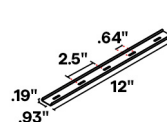


Low Profile Magnet

One M4 provided per foot.

To order separately use  
MG-04

MMA-04



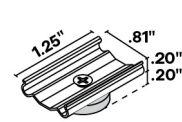
Magnet Mount  
Accessory for M4

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

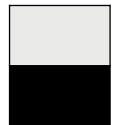


Magnet Clip

One MG provided per foot

To order separately use MG-01

### 15 FINISH

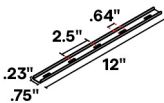


Satin

Black

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



# ESSENTIALS LALO-ENCAPSULATED (03) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

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.



### 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"

#### POTENTIAL 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"	

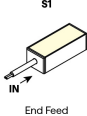


# ESSENTIALS LALO-ENCAPSULATED (03) RGBW

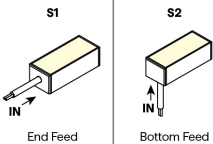
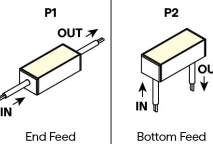
24VDC Linear Fixtures - Surface & Recessed

## RGBW ENC LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

### OPTIMAL LENGTH

Requested Nominal Length	S1 & S2	P1 & P2
		
12"	8.51"	8.86"
13"	12.51"	12.86"
14"	12.51"	12.86"
15"	12.51"	12.86"
16"	12.51"	12.86"
17"	16.51"	16.86"
18"	16.51"	16.86"
19"	16.51"	16.86"
20"	16.51"	16.86"
21"	20.51"	20.86"
22"	20.51"	20.86"
23"	20.51"	20.86"
24"	20.51"	20.86"
36"	32.51"	32.86"
48"	44.51"	44.86"
60"	56.51"	56.86"
72"	68.51"	68.86"
84"	80.51"	80.86"
96"	92.51"	92.86"

## 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
	RGBW, RGBW-HE	RGBW, RGBW-HE
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 RGBW App Dongle	


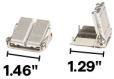



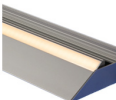

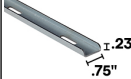
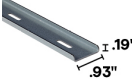
DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	



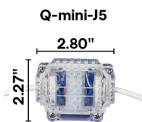
# ESSENTIALS LALO-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE MOUNTING ACCESSORIES

<b>HINGE - HMB-M</b>	<b>HINGE - HMB-L</b>	<b>HINGE - HMB-XL</b>	<b>Q-PIVOT</b>	<b>Q-ANGLE</b>	<b>QUOVA-STANDARD</b>	<b>SD-L-MEDIUM</b>	<b>MMA-01</b>	<b>MMA-04</b>
								
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	QUOVA Knife Edge	L Mounting Bracket	Magnet Mount Accessory of MG-01	Magnet Mount Accessory of MG-04

## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES

### SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS



Read and write DMX addresses and adjust voltage