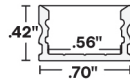
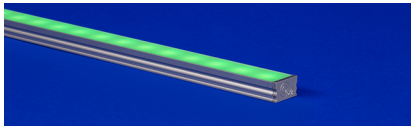




ESSENTIALS LALO- ENCAPSULATED (03) RGB

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
- Optional plastic louver accessory available in white or black for added glare control

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS
LL3RGB	6.0	RGB	ENC	STD	

ADDITIONAL INFORMATION REQUIRED TO ORDER

7	8	9	10	11	12	13	14	15	16	17
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

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

1	2	3	4	5	6
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS
LL3RGB See following pages for compatible power supplies.	6.0 6.0W/ft	RGB	ENC IP67	STD Standard	CL Clear TL Translucent 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	8	9
WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT
SINGLE (Input only) S1 End Feed S2 Bottom Feed	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	CLS Closed End (No feed)
PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"

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)

10	11	12	13
INPUT END CAP	OUTPUT END CAP	WIRE COLOR	WIRE TYPE
STD Standard CL Clear STD - End cap matches fixture finish chosen Select CL for continuous runs	STD Standard CL Clear STD - End cap matches fixture finish chosen Select CL for continuous runs	WH White BK Black	CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)

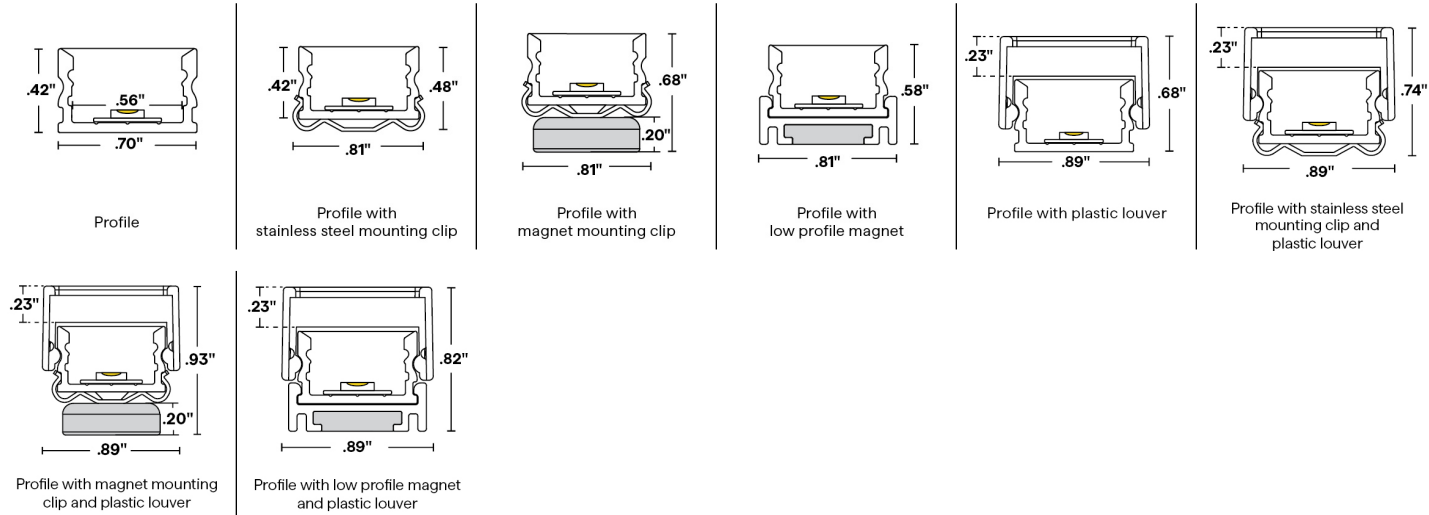
14	15	16	17
MOUNTING	FINISH	LENGTH (IN)	EXACT/OPTIMAL
SST Stainless Steel M4 Low Profile Magnet MG Magnet	ST Satin BK Black CU Custom Custom finishes require a longer lead time, consult factory	Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	O Optimal Illumination E Exact 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) RGB

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS

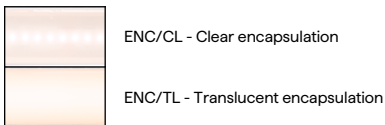


2 DELIVERED LUMENS

[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



TEMPERATURE RATINGS

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

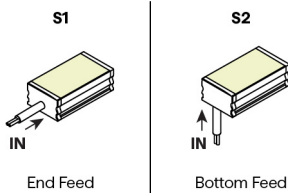


ESSENTIALS LALO-ENCAPSULATED (03) RGB

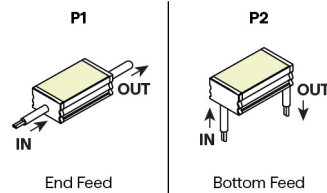
24VDC Linear Fixtures - Surface & Recessed

7 WIRE INPUT/OUTPUT

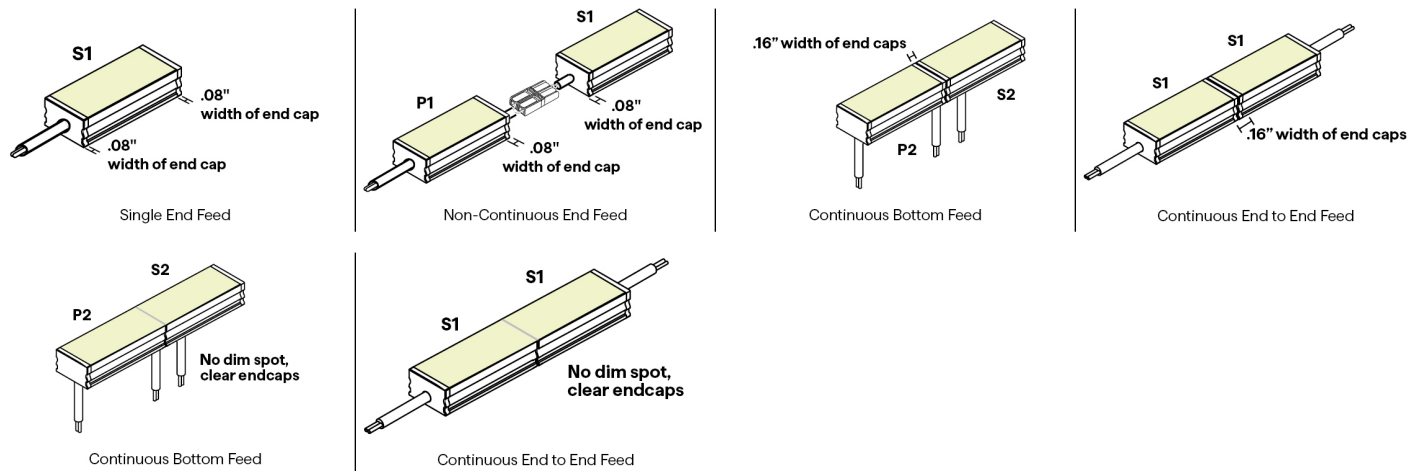
SINGLE (Input only)



PASS THROUGH (Input/Output)

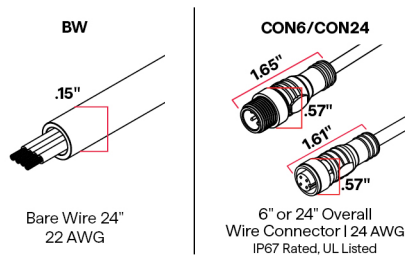


CONFIGURATION OPTIONS

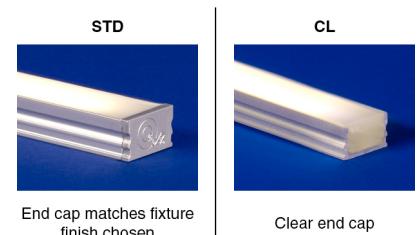


8 / 9 CONNECTOR/WIRE - IN/OUT

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) RGB

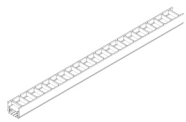
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC



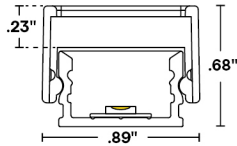
L1-XX



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

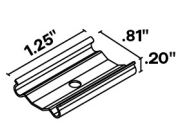


White

Black

14 MOUNTING

SST



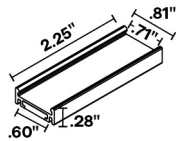
Stainless Steel Clip

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

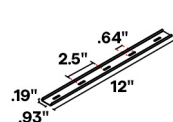


Low Profile Magnet

One M4 provided per foot.

To order separately use
MG-04

MMA-04



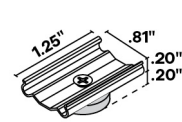
Magnet Mount
Accessory for M4

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

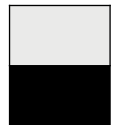


Magnet Clip

One MG provided per foot

To order separately use MG-01

15 FINISH

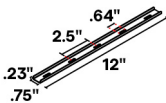


Satin

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) RGB

24VDC Linear Fixtures - Surface & Recessed

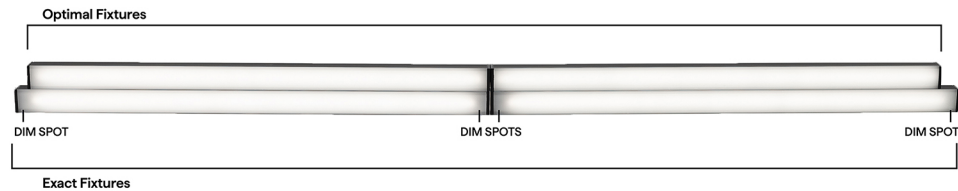
17

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"

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	



ESSENTIALS LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

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

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 1.46" 4" 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	MMA-01 1.23" .75" Magnet Mount Accessory of MG-01	MMA-04 1.19" .93" Magnet Mount Accessory of MG-04
--	--	---	--	--	---	--	--	--	--

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80" 2.27"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36" 2.58"
Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC
Read and write DMX addresses and adjust voltage