



Q-TRAN 03 RGB Lalo Encapsulated Owner's Manual

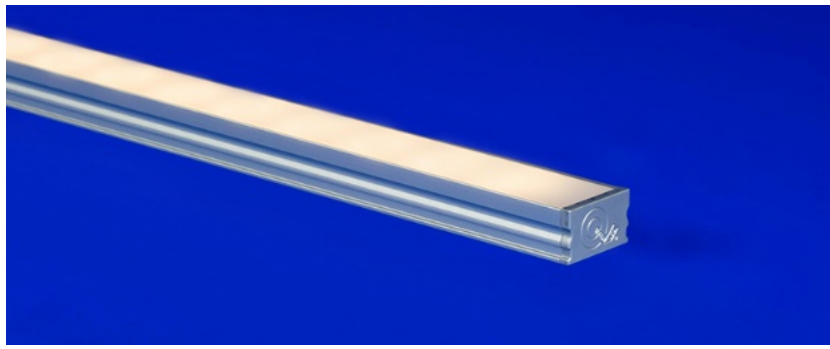
[Home](#) » [Q-TRAN](#) » Q-TRAN 03 RGB Lalo Encapsulated Owner's Manual 

Contents

- 1 Q-TRAN 03 RGB Lalo Encapsulated
- 2 Product Information
- 3 Product Usage Instructions
- 4 SPECIFICATION
- 5 PRODUCT – DIMENSIONS
- 6 DIODE VISIBILITY
- 7 WIRE INPUT/OUTPUT
- 8 CONFIGURATION OPTIONS
- 9 MOUNTING
- 10 EXACT/OPTIMAL FIXTURE LENGTH
- 11 COMPATIBLE MOUNTING ACCESSORIES
- 12 Documents / Resources
 - 12.1 References
- 13 Related Posts



Q-TRAN 03 RGB Lalo Encapsulated



Product Information

Specifications

- Product: LALO-ENCAPSULATED (03) RGB
- Linear Fixtures – Surface
- Encapsulated with polyurethane for indoor and outdoor locations (IK10)
- Perfect for surface mounted installations
- Features high quality LED strips encapsulated in a rigid extrusion providing a robust fixture for various environments
- Delivers superior uniform light output and luminosity

Product Usage Instructions

Dimensions

The product dimensions are not provided in the user manual.

Please refer to the manufacturer's website or contact customer support for detailed dimensions.

Delivered Lumens

The user manual does not specify the delivered lumens for the product. Please refer to the manufacturer's website or contact customer support for information on delivered lumens.

Diode Visibility

The diode visibility of the product depends on the encapsulation type:

- ENC/CL: Clear encapsulation
- ENC/TL: Translucent encapsulation

For representation of LED visibility, please refer to the Diode Visibility section on the following pages of the user manual.

Wire Input/Output

The product supports two types of wire input/output configurations:

- SINGLE (Input only): Choose between S1 (Single 1 – End Feed) or S2 (Single 2 – Bottom Feed) for input wiring.
- PASS THROUGH (Input/Output): Choose between P1 (Pass Through 1 – End Feed) or P2 (Pass Through 2 –

Bottom Feed) for input/output wiring.

For continuous mounting, it is recommended to consider bottom feed configurations.

Connector/Wire In

The user manual provides the following options for connector/wire in:

- BW: Bare Wire (Standard 24)
- CON6: Connector 6
- CON24: Connector 24

The typical selection is BW (Bare Wire). The standard length is 24, with a maximum length of 120. Custom lengths can be requested by writing the desired length next to BW in the part number (e.g., BW48).

Connector/Wire Out

The user manual provides the following options for connector/wire out:

- CLS: Closed End (No feed)
- BW: Bare Wire (Standard 24)
- CON6: Connector 6
- CON24: Connector 24

The typical selection is CLS or BW. The standard length is 24, with a maximum length of 120. Custom lengths can be requested by writing the desired length next to BW in the part number (e.g., BW48).

Input End Cap

The user manual provides the following options for the input end cap:

- STD: Standard Clear
- CL: Select CL for continuous runs

The input end cap matches the fixture finish chosen. For continuous runs, it is recommended to select CL.

Output End Cap

The user manual provides the following options for the output end cap:

- STD: Standard Clear
- CL: Select CL for continuous runs

The output end cap matches the fixture finish chosen. For continuous runs, it is recommended to select CL.

Wire Color

The user manual provides the following options for wire color:

- WH: White
- BK: Black

Wire Type

The user manual provides the following options for wire type:

- CL2: Class 2
- CL2P: Plenum Rated (CL2P only available with bare wire leads)

Mounting

The user manual provides the following options for mounting:

- SST: Stainless Steel Magnet
- MG: Low Profile Magnet
- M4: M4 (mounting method not specified in the user manual)

Finish

The user manual provides the following options for finish:

- ST: Satin
- BK: Black

Length (in)

The user manual does not specify the exact/optimal length for the product. Please refer to the manufacturer's website or contact customer support for information on length options.

Warranty

The product comes with a 5-year warranty. Please note that field modifications void the warranty. All data provided has a +/- 5% tolerance. The product is compatible for use with Q-Tran power supplies. It is IK10 rated.

FAQ (Frequently Asked Questions)

Q: Are the dimensions of the product provided in the user manual?

A: No, the user manual does not provide the dimensions of the product. Please refer to the manufacturer's website or contact customer support for detailed dimensions.

Q: What is the delivered lumen output of the product?

A: The user manual does not specify the delivered lumens for the product. Please refer to the manufacturer's website or contact customer support for information on delivered lumens.

Q: How can I determine the visibility of the LED diodes?

A: The diode visibility depends on the encapsulation type. For clear encapsulation (ENC/CL) and translucent encapsulation (ENC/TL), please refer to the Diode Visibility section on the following pages of the user manual.

Q: What are the available wire input/output configurations?

A: The product supports two types of wire input/output configurations: SINGLE (Input only) and PASS THROUGH (Input/Output). Please refer to the Wire Input/Output section in the user manual for more details.

Q: How should I select the connector/wire in and connector/wire out options?

A: The typical selection for connector/wire in is BW (Bare Wire). The standard length is 24, with a maximum length of 120. Custom lengths can be requested by writing the desired length next to BW in the part number. The typical selections for connector/wire out are CLS (Closed End) or BW (Bare Wire). Please refer to the Connector/Wire In and Connector/Wire Out sections in the user manual for more details.

Q: How should I choose the input and output end caps?

A: The input and output end caps should match the fixture finish chosen. For continuous runs, it is recommended to select CL (continuous run) for both input and output end caps. Please refer to the Input End Cap and Output End Cap sections in the user manual for more details.

Q: What are the available wire color and wire type options?

A: The available wire color options are white (WH) and black (BK). The available wire type options are Class 2 (CL2) and Plenum Rated (CL2P, only available with bare wire leads). Please refer to the Wire Color and Wire Type sections in the user manual for more details.

Q: How should I mount the product?

A: The user manual provides three mounting options: Stainless Steel Magnet (SST), Low Profile Magnet (MG), and M4 (mounting method not specified). Please refer to the Mounting section in the user manual for more details.

Q: What finishes are available for the product?

A: The user manual provides two finish options: Satin (ST) and Black (BK). Please refer to the Finish section in the user manual for more details.

Q: Is the exact/optimal length of the product specified?

A: The user manual does not specify the exact/optimal length of the product. Please refer to the manufacturer's website or contact customer support for information on length options.

Q: What is the warranty period for the product?

A: The product comes with a 5-year warranty. Please note that field modifications void the warranty. For more information, please refer to the Warranty section in the user manual.

Q: Is the product compatible with Q-Tran power supplies?

A: Yes, the product is compatible for use with Q-Tran power supplies. Please ensure to use compatible power supplies for optimal performance.

SPECIFICATION

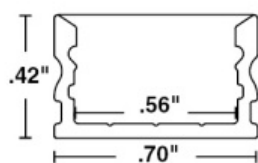
- Encapsulated with polyurethane for indoor and outdoor locations (IK10)
- Perfect for surface mounted installations
- Features high quality LED strips encapsulated in a rigid extrusion providing a robust fixture for various environments
- Delivers superior uniform light output and luminosity

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												

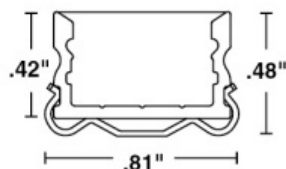
Sample Part Number: LL3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-BK-CL2-SST-ST-48"-E

1 PRODUCT LL3RGB See last page for compatible power supplies.	2 WATTS/FT 6.0 6.0W/ft	3 CCT RGB	4 RATED ENC IP67	5 EFFICIENCY STD Standard	6 LENS 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.
7 WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed For continuous mounting, consider bottom feed P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed For continuous mounting, consider bottom feed	8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" 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)	9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" 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)			
10 INPUT END CAP STD Standard CL Clear STD - End cap matches fixture finish chosen Select CL for continuous runs	11 OUTPUT END CAP STD Standard CL Clear STD - End cap matches fixture finish chosen Select CL for continuous runs	12 WIRE COLOR WH White BK Black	13 WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)		
14 MOUNTING SST Stainless Steel MG Magnet M4 Low Profile Magnet	15 FINISH ST Satin BK Black	16 LENGTH (IN) Fixture length min 12", max 98.43" not including end caps. Tolerance +0 – 1/8". Consult factory for lengths under 12".	17 EXACT/OPTIMAL O Optimal Illumination E Exact Specified Length 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.		

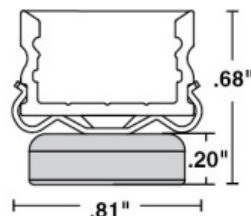
PRODUCT – DIMENSIONS



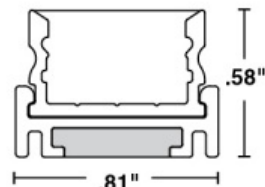
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

DELIVERED LUMENS

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

	Red	Green	Blue
	LM/FT	LM/FT	LM/FT
CL	73	147	42
TL	39	79	22

DIODE VISIBILITY

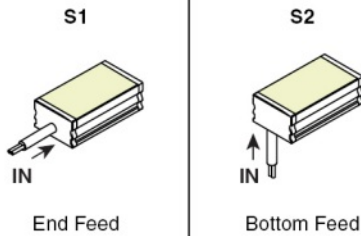


ENC/CL - Clear encapsulation

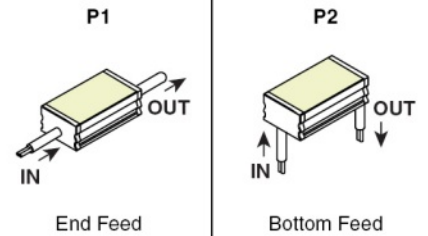
ENC/TL - Translucent encapsulation

WIRE INPUT/OUTPUT

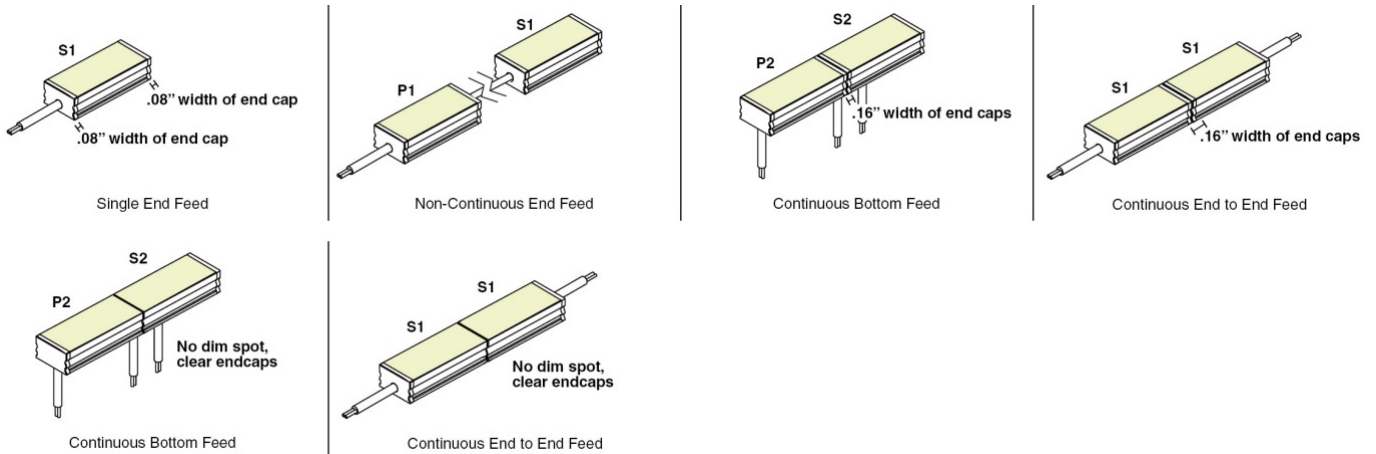
SINGLE (Input only)



PASS THROUGH (Input/Output)

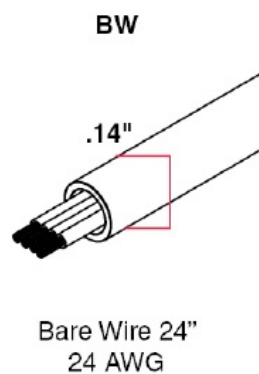


CONFIGURATION OPTIONS

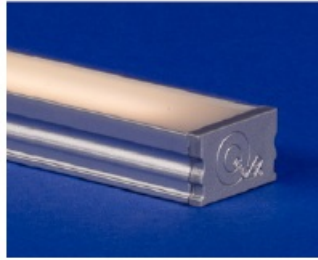


CONNECTOR/WIRE – IN/OUT

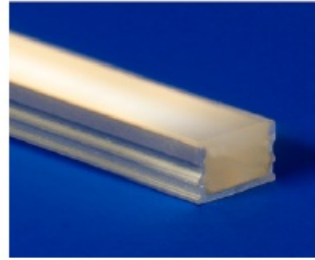
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



END CAP – IN/OUT

STD

End cap matches fixture
finish chosen

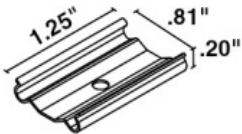
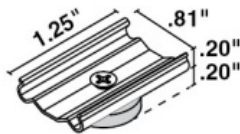
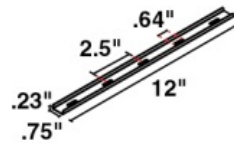
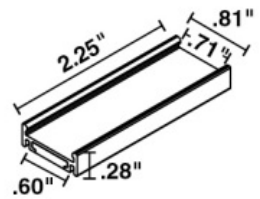
CL

Clear end cap

WIRE COLOR

White

Black

MOUNTING**SST****MG****MMA-01****M4****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

MG

Magnet Clip

One MG provided per foot To order separately use MG-01

MMA-1

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

M4

Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

FINISH



EXACT/OPTIMAL FIXTURE LENGTH

EXAMPLES OF 12" OPTIMIZED STATIC WHITE FIXTURES WITH DIFFUSED LENS



S1 & S2



P1 & P2

RGB ENC LENGTHS BY INCH

Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is $\pm 0 - 1/8"$. 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	
	S1 IN End Feed	S2 IN Bottom Feed	P1 IN End Feed	P2 IN Bottom Feed
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"


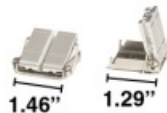



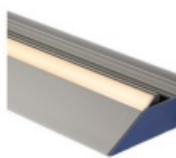
COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has $\pm 5\%$ tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	RGB	RGB
0.1%	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
1%	QTM-eLED+DALI-DT8	QOM-eLED+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	QTM-eLED+DALI-DT8	QOM-eLED+DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGB App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M  1.41" .71"	HINGE - HMB-L  1.46" 1.29"	HINGE - HMB-XL  1.46" 4"	Q-PIVOT  .75" 1.03"	Q-ANGLE  2.23" 1.38"	QUOVA-STANDARD  QUOVA Knife Edge
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	

COMPATIBLE WIRING ACCESSORIES

CON-EXT  10ft Con cable extender	CON FOUR-FER  Splits lead from one to four LED Con connectors	CON M - BARREL F  Male con to barrel cable adaptor
--	---	---

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE  1.36" 2.58"
Wi-Fi or Bluetooth Connectivity

5 year warranty
Field modifications void warranty
Data subject to change, all data has +/- 5% tolerance
Compatible for use with Q-Tran power supplies
IK10 rated

2023 Q-Tran Inc. All rights reserved
155 Hill St. Milford, CT 06460 | 203-367-8777
sales@q-tran.com
www.q-tran.com



[Q-TRAN 03 RGB Lalo Encapsulated](#) [pdf] Owner's Manual
03 RGB Lalo Encapsulated, 03 RGB, Lalo Encapsulated, Encapsulated

References

- [🌐 Your Name as Your Email | Hover Realnames](#)
- [🔍 LED Lighting Systems, Linear LED Lights, LED transformers | Q-Tran](#)
- [🔍 LED Lighting Systems, Linear LED Lights, LED transformers | Q-Tran](#)
- [User Manual](#)