

# Q-TRAN EB3SC Linear Fixtures Surface Owner's Manual

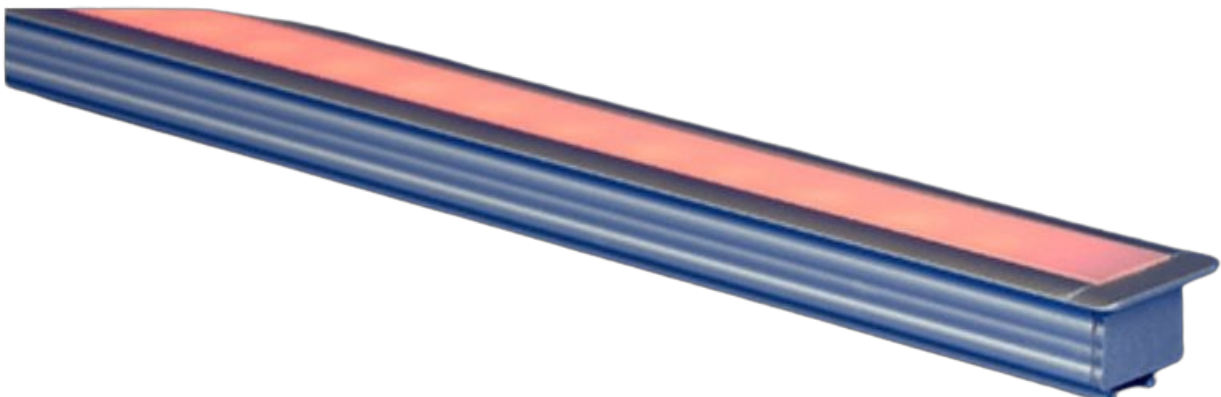
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## Q-TRAN EB3SC Linear Fixtures Surface



## Product Information

## **Specifications:**

- Product Type: EMBD-ENCAPSULATED (03) STATIC COLOR Linear Fixtures – Recessed
- Encapsulation: Polyurethane
- Location: Indoor and Outdoor
- Impact Resistance: IK10
- LED Type: High quality LED strips
- Fixture Strength: Rigid extrusion for robustness
- Light Output: Superior uniform light output and luminosity
- Certification: Florida Fish and Wildlife Conservation Commission certified for turtle and wildlife safety

## **Product Usage Instructions**

### **1. Mounting:**

The linear fixtures are designed to be recessed mounted. Follow the steps below for proper installation:

1. Choose a suitable location for installation.
2. Ensure the mounting surface is clean and free from any debris.
3. Securely attach the fixture using appropriate mounting hardware.

### **2. Power Supply Compatibility:**

Refer to the last page of the user manual for compatible power supplies that can be used with the product.

### **3. Product Configuration:**

The product part number consists of various codes that represent different configuration options. Refer to the table below for code explanations:

Code	Description
A	Amber LED color
B	Blue LED color
G	Green LED color
R	Red LED color
CL	Clear lens
TL	Translucent lens
S1	Single 1 – Input only, end feed
S2	Single 2 – Input only, bottom feed
P1	Pass Through 1 – Input/output, end feed
P2	Pass Through 2 – Input/output, bottom feed
BW	Bare wire (standard length is 24, max length is 120)
BRL	Barrel connector 6
CON6	Connector 6
CON24	Connector 24
CLS	Closed end (no feed)
STD	Standard input/output end cap
WH	White wire color
BK	Black wire color
O	Optimal illumination length
E	Exact specified length

#### 4. Diode Visibility:

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

#### 5. Photometric Performance:

For beam angles, please refer to the Photometric Performance section on the following pages.

#### FAQ

##### Q: Are the LED strips waterproof?

A: Yes, the LED strips are encapsulated with polyurethane, making them suitable for indoor and outdoor locations.

##### Q: Can I request a custom wire length?

A: Yes, you can request a custom wire length by writing in the desired length next to the “BW” code in the part

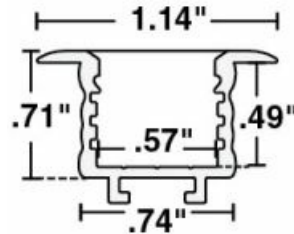
number.

### Q: Are the LED products safe for wildlife?

A: Yes, the Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, ensuring their safety for turtles and other wildlife.

## EMBD-ENCAPSULATED (03) STATIC COLOR

### Linear Fixtures – Recessed



- Encapsulated with polyurethane for indoor and outdoor locations (IK10)
- Perfect for recess 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
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife

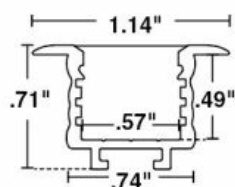
## Overview

**Sample Part Number:** EB3SC-5.0-G-ENC-STD-TL-P1-BW-BW-BK-CL2-SP-ST-48"-E

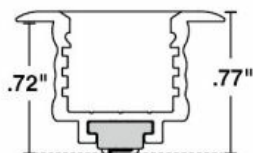
1	PRODUCT	2	WATTS/FT	3	CCT	4	RATED	5	EFFICIENCY	6	LENS
	<b>EB3SC</b>  See last page for compatible power supplies.	<b>5.0</b> 5.0W/ft		<b>A</b> Amber <b>B</b> Blue <b>G</b> Green <b>R</b> Red		<b>ENC</b> IP67		<b>STD</b> Standard		<b>CL</b> Clear <b>TL</b> Translucent  For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages	
7	WIRE INPUT/OUTPUT	8	CONNECTOR/WIRE IN	9	CONNECTOR/WIRE OUT						
<b>S1</b> Single 1 (Input only) - End Feed <b>S2</b> Single 2 (Input only) - Bottom Feed  For continuous mounting, consider bottom feed		<b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> 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)		<b>CLS</b> Closed End (No feed)							
<b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed  For continuous mounting, consider bottom feed		<b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> 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)		<b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> 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)							

<b>10 INPUT END CAP</b> <b>STD</b> Standard STD - End cap matches fixture finish chosen	<b>11 OUTPUT END CAP</b> <b>STD</b> Standard STD - End cap matches fixture finish chosen	<b>12 WIRE COLOR</b> <b>WH</b> White <b>BK</b> Black <b>N/A</b> For Barrel	<b>13 WIRE TYPE</b> <b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated <b>N/A</b> For Barrel CL2P only available with bare wire leads (BW)
<b>14 MOUNTING</b> <b>MG</b> Magnet <b>SP</b> Spring Clip	<b>15 FINISH</b> <b>ST</b> Satin	<b>16 LENGTH (IN)</b> Fixture length min 12", max 98.43" not including end caps. Tolerance +0 - 1/8". Consult factory for lengths under 12".	<b>17 EXACT/OPTIMAL</b> <b>O</b> Optimal Illumination <b>E</b> 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.

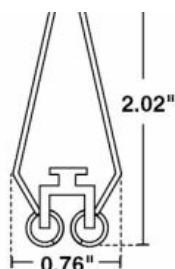
## PRODUCT – DIMENSIONS



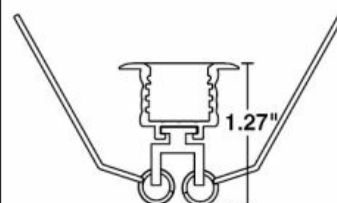
Profile



Profile with magnet mounting clip



Spring mounting clip



Profile with spring mounting clip

## DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with EB3SC-5.0-\*\*-ENC-STD

	Red	Green	Blue	Amber
	LM/FT	LM/FT	LM/FT	LM/FT
CL	64	349	91	58
TL	52	282	73	47

## DIODE VISIBILITY

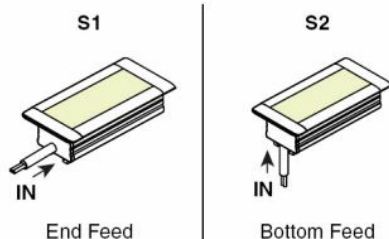


ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

## WIRE INPUT/OUTPUT

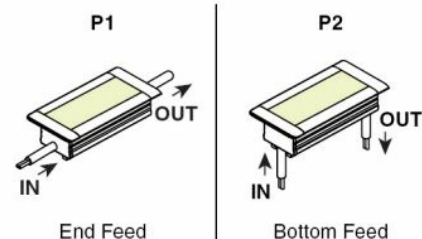
SINGLE (Input only)



End Feed

Bottom Feed

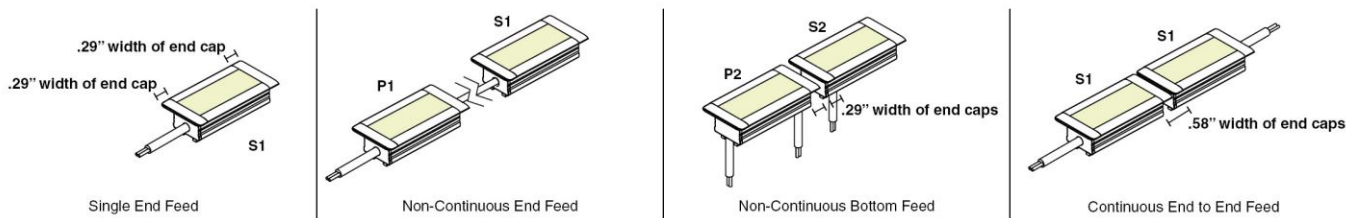
PASS THROUGH (Input/Output)



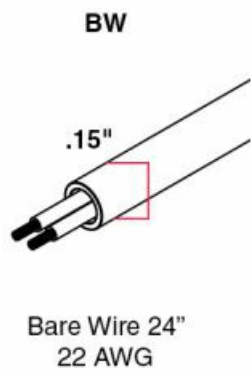
End Feed

Bottom Feed

## CONFIGURATION OPTIONS



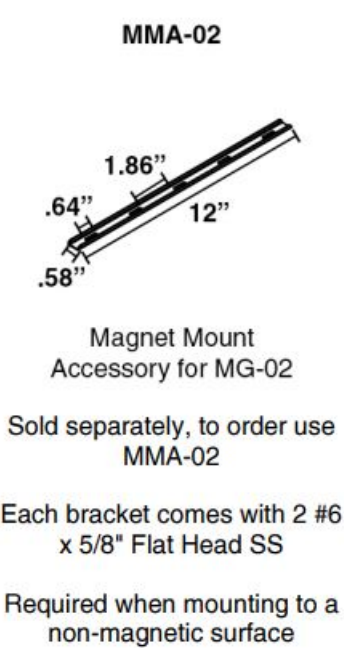
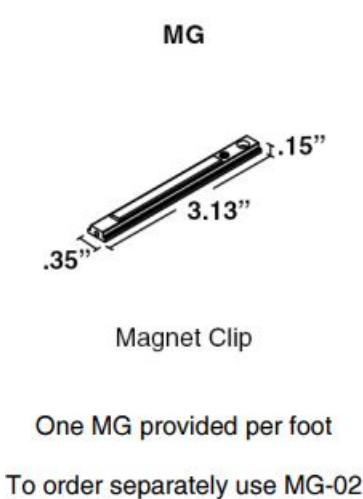
## CONNECTOR/WIRE – IN/OUT



## WIRE COLOR



## MOUNTING



## EXACT/OPTIMAL FIXTURE LENGTH

### EXAMPLES OF 12\* OPTIMIZED STATIC WHITE FIXTURES WITH DIFFUSED LENS



S1 & S2



P1 & P2

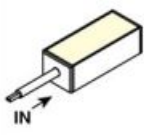
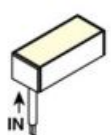
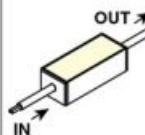
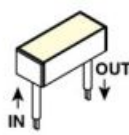
## SC ENC LENGTHS BY INCH

Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures tolerance is  $+0 - 1/8"$ . 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  End Feed	S2  Bottom Feed	P1  End Feed	P2  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 +/- 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 iQ-PH
0.1%	QTM-eLED+0-10V QTM-eLED+AN 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%	QTM-eLED(E) QTM-eLED(L) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	



DIMMING PROTOCOL	INDOOR	OUTDOOR
	SC	SC
Non-Dim	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 QTM-DC+CAP QTM-eLED(E) QTM-eLED(L) 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 IQ-PH
0-10V	QTM-eLED+0-10V QTM-eLED+AN 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	QTM-eLED+AN QTM-eLED+DALI-DT6-AN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

COMPATIBLE WIRING ACCESSORIES




**Q-mini-J**

2"


1.25"

UL Listed, miniature junction box




**BARREL-EXT**

8ft barrel cable extender




**BARREL FOUR-FER**

Splits lead from one to four LED Barrel connector fixtures




**CON-EXT**

10ft Con cable extender



**CON FOUR-FER**

Splits lead from one to four LED Con connectors



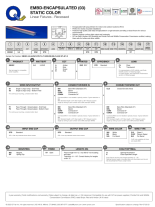
**CON M - BARREL F**

Male con to barrel cable adaptor

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- 155 Hill St. Milford, CT 06460 |
- 203-367-8777 |
- [sales@q-tran.com](mailto:sales@q-tran.com) |
- [www.q-tran.com](http://www.q-tran.com)

Documents / Resources



**[Q-TRAN EB3SC Linear Fixtures Surface](#)** [pdf] Owner's Manual  
EB3SC Linear Fixtures Surface, EB3SC, Linear Fixtures Surface, Fixtures Surface, Surface

## References

- [🌐 Your Name as Your Email | Hover Realnames](#)
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- [User Manual](#)