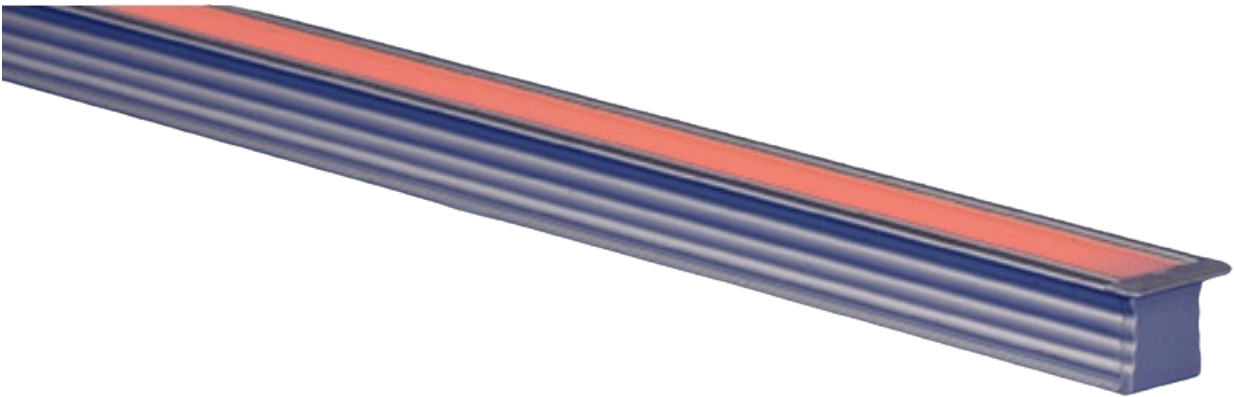


## Q-TRAN FL3SC Linear Fixtures Surface Owner's Manual

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### Q-TRAN FL3SC Linear Fixtures Surface

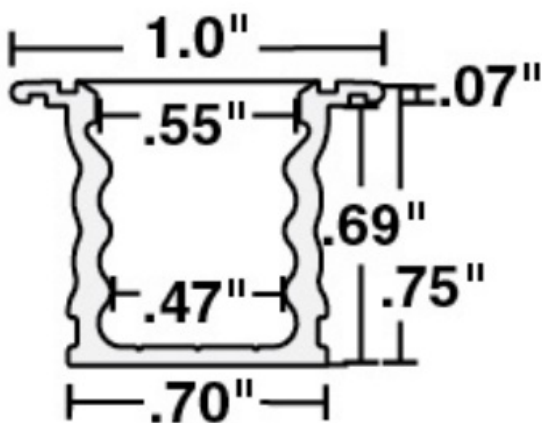


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## Introduction

- 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



| 1<br>PR<br>OD<br>UC<br>T | 2<br>WA<br>TTS<br>/ FT | 3<br>C<br>C<br>T | 4<br>RA<br>TE<br>D | 5<br>EFFI<br>CIE<br>NCY | 6<br>LE<br>NS | 7<br>WIR<br>E IN<br>PUT<br>/ OU<br>TPU<br>T | 8<br>CO<br>NNE<br>CTOR/<br>WIR<br>E IN | 9<br>CO<br>NNE<br>CTOR/<br>WIR<br>E OUT | 10<br>INP<br>UT<br>END<br>CAP | 11<br>OUT<br>PUT<br>END<br>CAP | 12<br>WIR<br>E C<br>OLO<br>R | 13<br>WIR<br>E T<br>YPE | 14<br>MO<br>UNT<br>ING | 15<br>FI<br>NI<br>SH | 16 L<br>ENG<br>TH (I<br>N) | 17<br>EXA<br>CT/O<br>PTIM<br>AL |
|--------------------------|------------------------|------------------|--------------------|-------------------------|---------------|---------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------|--------------------------------|------------------------------|-------------------------|------------------------|----------------------|----------------------------|---------------------------------|
| FL3<br>SC                | 5.0                    |                  | ENC                |                         |               |                                             |                                        |                                         | STD                           | STD                            |                              |                         | SST                    |                      |                            |                                 |

#### 1. **PRODUCT** FL3SC

See last page for compatible power supplies

#### 2. **WATTS/FT**

5.0 5.0W/ft

#### 3. **CCT**

- **A** Amber
- **B** Blue
- **G** Green
- **R** Red

#### 4. **RATED**

**ENC** IP67

#### 5. **EFFICIENCY**

**STD** Standard

**WO** White Optics

**White Optics** – Internal coating, greater lumen output

#### 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")  
**BRL:** Barrel  
**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)

- **BW:** Bare Wire (Standard 24")

**BRL:** Barrel

**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")
- **BRL:** Barrel
- **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  
STD – End cap matches fixture finish chosen

#### 11. OUTPUT END CAP

- **STD:** Standard  
STD – End cap matches fixture finish chosen

#### 12. WIRE COLOR

- WH White
- BK Black
- N/A For Barrel

#### 13. WIRE TYPE

- **CL2** Class 2
- **CL2P** Plenum Rated
- **N/A** For Barrel  
CL2P only available with bare wire leads (BW)

#### 14. MOUNTING

- **SST:** Stainless Steel

#### 15. FINISH

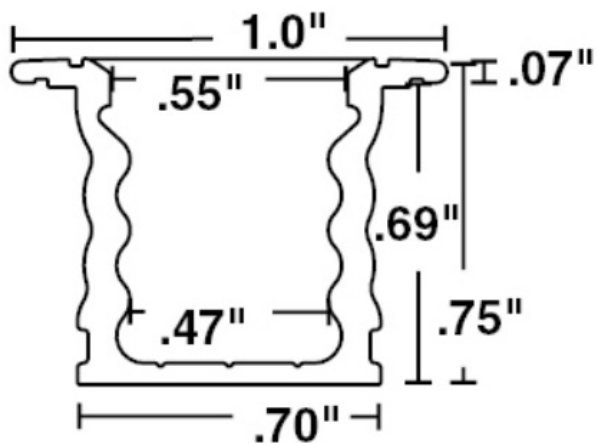
- **ST** Satin
- **BK** Black

#### 16. LENGTH (IN)

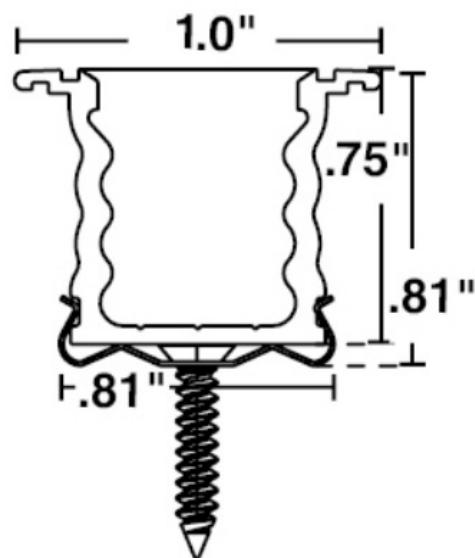
Fixture length min 12", max 98.43" not including end caps.

Tolerance +0 – 1/8". Consult factory for lengths under 12"

### PRODUCT – DIMENSIONS



Profile



Profile with stainless steel mounting clip

## DELIVERED LUMENS

- [Calculated L70 = 40000 hrs]
- Tested with FL3SC-5.0-\*\*-ENC-STD

|    | Red   | Green | Blue  | Amber |
|----|-------|-------|-------|-------|
|    | LM/FT | LM/F1 | LM/FT | LM/FT |
| CL | 56    | 304   | 79    | 51    |
| TL | 35    | 191   | 50    | 32    |

## DIODE VISIBILITY

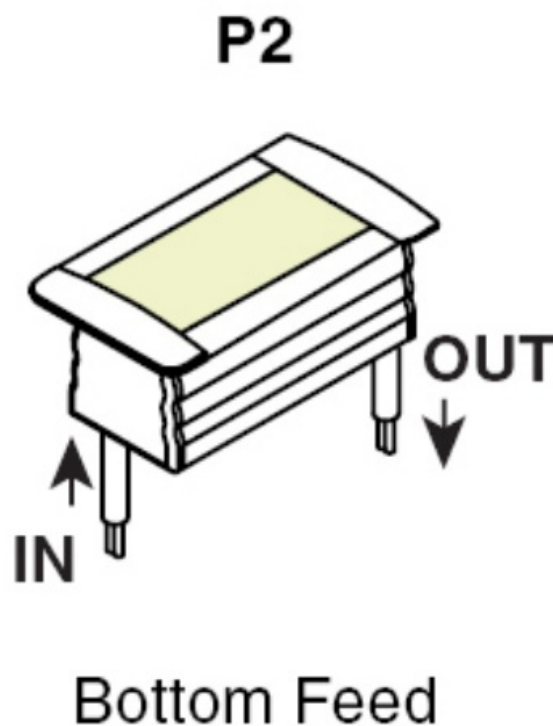
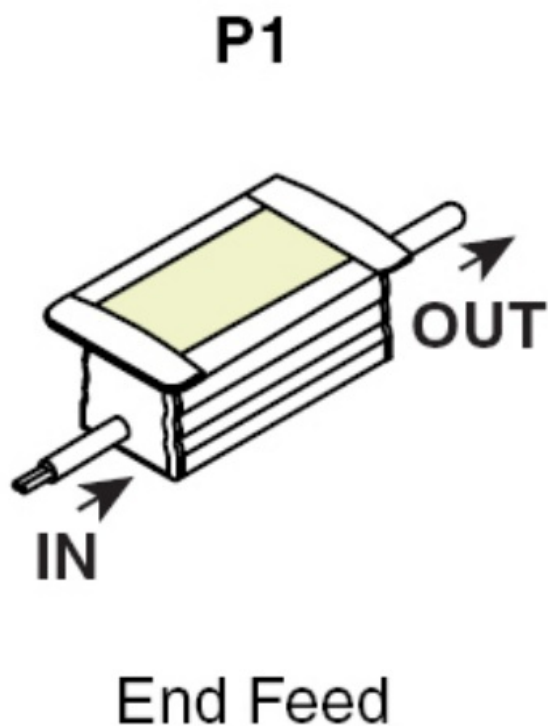
|  |                                    |
|--|------------------------------------|
|  | ENC/CL – Clear encapsulation       |
|  | ENC/TL – Translucent encapsulation |

## WIRE INPUT/OUTPUT

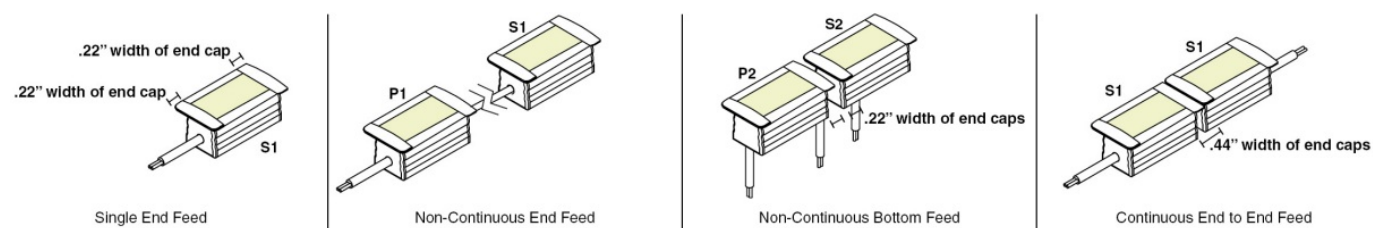
### SINGLE (Input only)

Wire Input/output

### PASS THROUGH (Input/Output)



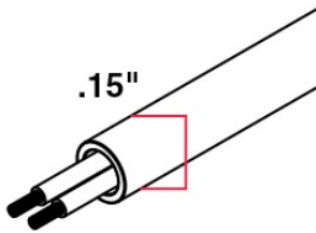
## CONFIGURATION OPTIONS



## 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

## BW



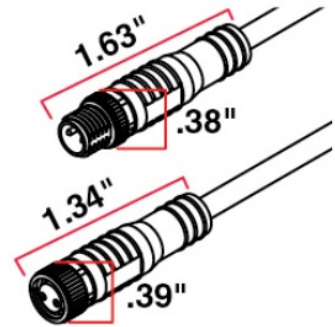
Bare Wire 24"  
22 AWG

## BRL



Barrel 6"- WET | 22 AWG

## CON6/CON24



6" or 24" Overall  
Wire Connector | 22 AWG  
IP67 Rated, UL Listed

## WIRE COLOR



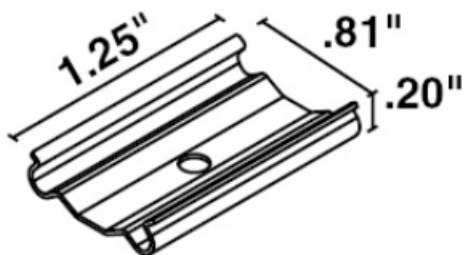
White

Black

## MOUNTING

- 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

## SST



Stainless Steel Clip

## FINISH



Satin

Black

**EXACT/OPTIMAL FIXTURE LENGTH**

EXAMPLES OF 12 OPTIMISE STATIC WHITE FIXTURES WITH DIFFUSED LENS



S1 & S2



P1 & P2

**SC ENC LENGTHS BY INCH**

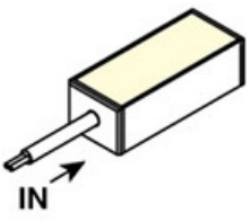
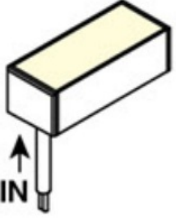
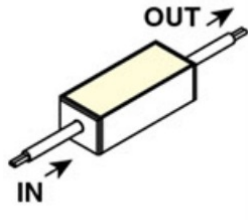
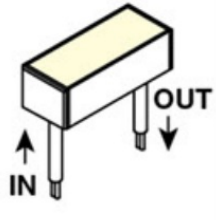
Exact fixtures are the length specified. Optimal fixtures’ length is rounded down with illumination end to end. All fixtures’ tolerance is +0 – 1/8”. Consult factory for lengths under 12”.

**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"                                          |
| 4811             | 1"                                          |
| 60"              | 1"                                          |
| 72"              | 1.                                          |
| 84"              | 1.                                          |
| 96"              | 1.                                          |

**OPTIMAL LENGTH:** highlighted rows are closest to requested nominal length

|  |                    |                    |
|--|--------------------|--------------------|
|  | <b>S1 &amp; S2</b> | <b>P1 &amp; P2</b> |
|  |                    |                    |

| Requested Nominal Length | S1                                                                                            |  | S2                                                                                               |  | P1                                                                                             |  | P2                                                                                                 |  |
|--------------------------|-----------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|--|
|                          | <br>End Feed |  | <br>Bottom Feed |  | <br>End Feed |  | <br>Bottom Feed |  |
| 12•                      | 10.5'                                                                                         |  |                                                                                                  |  | 10.75 “                                                                                        |  |                                                                                                    |  |
| 13”                      | 12.5 “                                                                                        |  |                                                                                                  |  | 12.75”                                                                                         |  |                                                                                                    |  |
| <b>14“</b>               | 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”                                                                                         |  |                                                                                                    |  |
| <b>24“</b>               | 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”                                                                                         |  |                                                                                                    |  |

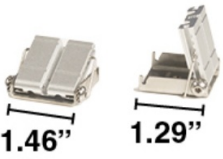
## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

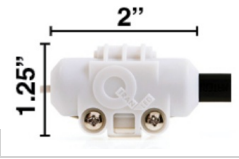
| DIM TO LEVEL | INDOOR                                                                      | OUTDOOR                                                                                   |
|--------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|              | SC                                                                          | SC                                                                                        |
| Dim to Black | 06 M-DC+CAP QTM-DC+CAP iO-PH<br>iO-PH+OD1                                   | OOM-DC+CAP QOM-PHIO-PH                                                                    |
| 0.1%         | OTM-eLED+0-10V QTM-eLED+AN QZ-<br>DMX OZ-PH/0-10V QZ-STICK-PH/0-10V<br>OZLP | Q-SET-OZ-DMX O-SET-QZ-PH/0-10V Q-SET eL<br>ED+0-10V QOM-eLED+0-10V QZ-DMX QZ-PH/0<br>-10V |
| 1%           | QTM-eLED(E) QTM-eLED(L) OTM -eLE<br>D+DALI-DT6 QTM-eLED+DALI -DT6 AN        | QOM-eLED+DALI-DT6                                                                         |
| 10"/4        | Non-Dim Power Supply with SW App D<br>ongle                                 |                                                                                           |

| DIMMING PROT<br>OCOL | IOIOOOR                                                                                                                  | OUTDOOR                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                      | SC                                                                                                                       | SC                                                                     |
| Non-Olm              | OTM-eLE.0-.ND<br>QZ-NO                                                                                                   | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND<br>iQ-ND-50-65    |
| Pha-se               | Q6M-DC+CAP<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QTM-eLED(L)<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH<br>iQ-PH+QD1 | Q-SET-QZ-PH/0-10V<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PH/0-10V<br>iQ-PH      |
| 0-IOV                | QTM-eLED+0-10V<br>QTM-eLED+AN<br>QZ-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP                                                | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PH/0-10V |
| Lutron Athena        | QTM-eLED+AN<br>QTM-eLED+DALI-DT6-AN                                                                                      |                                                                        |
| ECO System           | QTM-eLED(E)                                                                                                              |                                                                        |
| DMX                  | QZ-DMX                                                                                                                   | Q-SET-QZ-DMX<br>QZ-DMX                                                 |
| DALI-2: DT6          | QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AN                                                                                | QOM-eLED+DALI-DT6                                                      |
| SCENE App Dim<br>med | Non-Dim Power Supply with SW App Don<br>gle                                                                              |                                                                        |

## COMPATIBLE MOUNTING ACCESSORIES

| HINGE – HMB-M                                                                     | HINGE – HMB-L                                                                     | HINGE – HMB-XL                                                                    | a-PIVOT                                                                            | a-ANGLE                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Adjustable mounting bracket – Medium                                              | Adjustable mounting bracket – Large                                               | Adjustable mounting bracket – Xlarge                                              | Small mounting accessory                                                           | Adjustable mounting accessory                                                       |

## COMPATIBLE WIRING ACCESSORIES

| Q-mini-J                                                                            | BARREL-EXT                                                                          | BARREL FOUR-FER                                                                     | CON-EXT                                                                              | CON FOUR-FER                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| UL Listed, miniature Junction box                                                   | 8ft barrel cable bracket extender                                                   | Splits lead from one to four LED Barrel connector fixtures                          | 10ft Con cable extender                                                              | Splits lead from one to four LED Con connectors                                       |

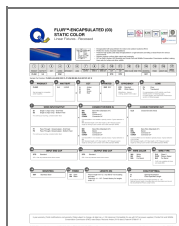
## 5 year warranty

- Field modifications void warranty
- Data subject to change, all data has +/- 5% tolerance
- Compatible for use with Q-Tran power supplies
- Florida Fish and Wildlife
- Conservation Commission (FWC) rated Strips: Red and Amber
- IK10 rated
- Patent # D798,471 S

## Customer Support



## Documents / Resources



[Q-TRAN FL3SC Linear Fixtures Surface](#) [pdf] Owner's Manual  
FL3SC Linear Fixtures Surface, FL3SC, Linear Fixtures Surface, Fixtures Surface, Surface

## 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](#)