

Q-TRAN FL3SW Linear Fixtures Surface Owner's Manual

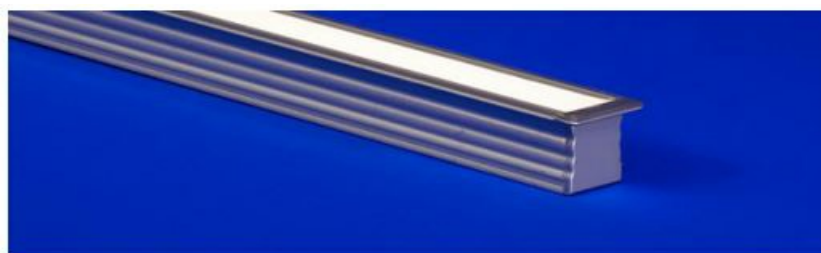
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Q-TRAN FL3SW Linear Fixtures Surface



Product Information

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

Specifications

- Product Watts/Ft: FL3SW
- CCT:
 - 2400K
 - 2700K
 - 3000K
 - 3500K
 - 4000K
- Rated Encapsulation: IP67
- Efficiency: STD Standard
- Lens:
 - Clear (CL)
 - Translucent (TL)
- Wire Input/Output:
 - Single 1 (Input only) – End Feed (S1)
 - Single 2 (Input only) – Bottom Feed (S2)
 - Pass Through 1 (Input/output) – End Feed (P1)
 - Pass Through 2 (Input/output) – Bottom Feed (P2)
- Connector/Wire In:
 - Bare Wire (Standard 24) (BW)
 - Barrel Connector 6 (BRL)
 - Connector 24 (CON24)
- Connector/Wire Out:
 - Closed End (No feed) (CLS)
 - Bare Wire (Standard 24) (BW)
 - Barrel Connector 6 (BRL)
 - Connector 24 (CON24)
- Input End Cap: STD Standard
- Output End Cap: STD Standard
- Wire Color:
 - White (WH)
 - Black (BK)
 - N/A For Barrel
- Wire Type:
 - Class 2 (CL2)
 - Plenum Rated (CL2P)
 - N/A For Barrel
- Mounting: Stainless Steel (SST)
- Finish:
 - Satin (ST)

- Black (BK)
- Length (In): Exact/Optimal

Product Usage Instructions

Installation

1. Choose a suitable location for recessed mounting.
2. Ensure that the mounting surface is clean and free from any debris.
3. If necessary, make appropriate electrical connections to power supply.
4. Insert the FLURTM-ENCAPSULATED (03) STATIC WHITE linear fixture into the recessed mounting area.
5. Secure the fixture in place using the provided mounting hardware.
6. Connect the wire input and output according to your specific installation requirements.
7. If needed, attach the input and output end caps to the fixture to cover the wire connections.

Power Supply Compatibility

Please refer to the last page of the user manual for a list of compatible power supplies.

LED Visibility

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

Beam Angles

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

FAQ

Q: What is the warranty period for FLURTM-ENCAPSULATED (03) STATIC WHITE linear fixtures?

A: The product comes with a 5-year warranty.

Q: Can I make field modifications to the fixture?

A: No, field modifications will void the warranty. Please consult a professional for any necessary modifications.

Q: Are there any limitations or tolerances in the provided data?

A: All data has a +/- 5% tolerance.

Q: Can I use the FLURTM-ENCAPSULATED (03) STATIC WHITE linear fixture with Q-Tran power supplies?

A: Yes, the product is compatible for use with Q-Tran power supplies.

Q: Are the strips rated by the Florida Fish and Wildlife Conservation Commission (FWC)?

A: Yes, the strips in red and amber colors are rated by the FWC.

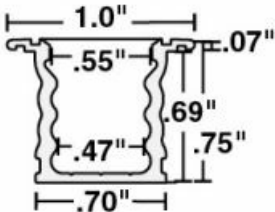
Q: What is the IK10 rating?

A: The product has an IK10 rating, indicating its resistance to impact and external mechanical forces.

Q: Is there any patent associated with the FLUR™-ENCAPSULATED (03) STATIC WHITE linear fixture?

A: Yes, the product has a patent number D798,471 S.

circo™-ENCAPSULATED (03) STATIC WHITE
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

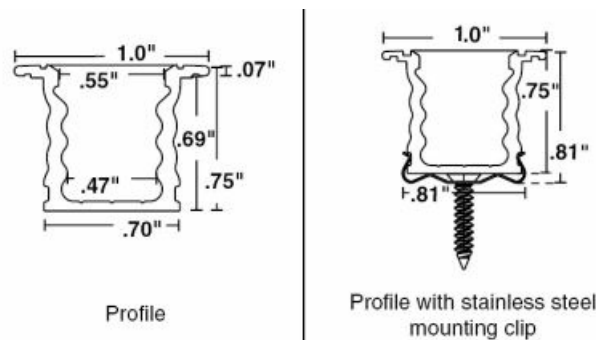
Sample Part Number: FL3SW-5.0-30-ENC-WO-TL-P1-BW-BW-BK-CL2-SST-ST-48"-E

Product Overview

1	PRODUCT	2	WATTS/FT	3	CCT	4	RATED	5	EFFICIENCY	6	LENS
	FL3SW See last page for compatible power supplies.	1.5 1.5W/ft 3.0 3.0W/ft 4.0 4.0W/ft 5.0 5.0W/ft 1.5HE 1.5W/ft HE 3.0HE 3.0W/ft HE 6.0HE 6.0W/ft HE		24 2400K 27 2700K 30 3000K 35 3500K 40 4000K		ENC IP67		STD Standard WO White Optics WhiteOptics - Internal coating, greater lumen output		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	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)	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".	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



DELIVERED LUMENS

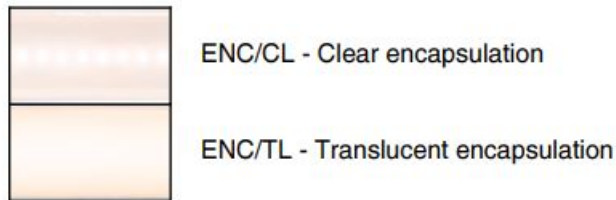
[Calculated L70 = 40000 hrs]
Tested with FL3SW-**-30-ENC-STD

	1.5 W/FT	1.5HE W/FT	3.0 W/FT	3.0HE W/FT	4.0 W/FT	5.0 W/FT	6.0HE W/FT
	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT
CL	93	120	162	220	201	245	416
TL	58	75	102	138	127	154	262

[Calculated L70 = 40000 hrs]
Tested with FL3SW-**-30-ENC-WO

	1.5 W/FT	1.5HE W/FT	3.0 W/FT	3.0HE W/FT	4.0 W/FT	5.0 W/FT	6.0HE W/FT
	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT
CL	**	**	**	**	**	**	**
TL	**	**	**	**	**	**	**

DIODE VISIBILITY

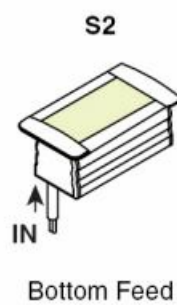
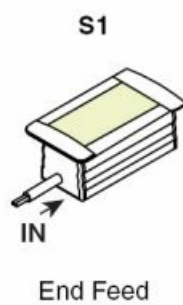


TEMPERATURE RATINGS

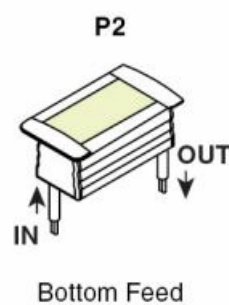
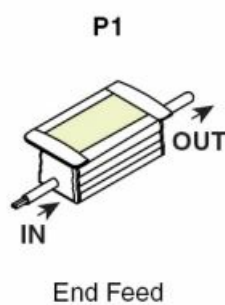
Light Engine (LED Strip)	W/FT	Minimum Limit (°F)	Maximum Limit (°F)
Static White	1.5	-40	138
	3.0	-40	124
	4.0	-40	115
	5.0	-40	108
Static White High Efficacy	1.5HE	-40	152
	3.0HE	-40	140
	6.0HE	-40	118

WIRE INPUT/OUTPUT

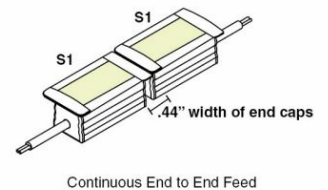
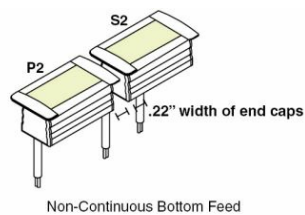
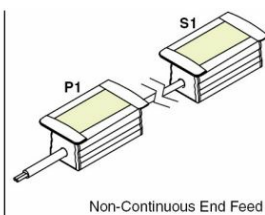
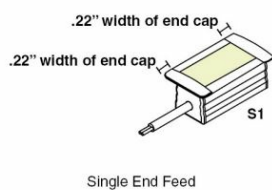
SINGLE (Input only)



PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS

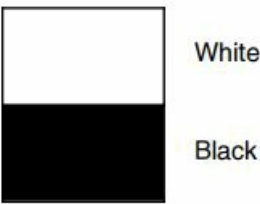


CONNECTOR/WIRE – IN/OUT

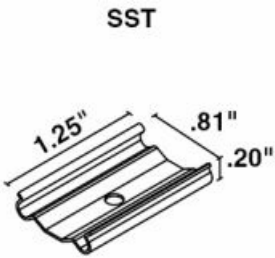
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



WIRE COLOR



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

EXACT/OPTIMAL FIXTURE LENGTH

EXAMPLES OF 12" OPTIMIZED STATIC WHITE FIXTURES WITH DIFFUSED LENS



S1 & S2



P1 & P2

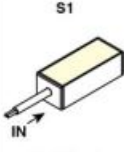
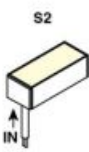
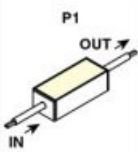
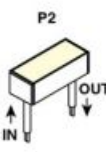
SW ENC LENGTHS BY INCH

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"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	 S1 End Feed	 S2 Bottom Feed	 P1 End Feed	 P2 Bottom Feed
12"	11.5"		11.75"	
13"	12.5"		12.75"	
14"	13.5"		13.75"	
15"	14.5"		14.75"	
16"	15.5"		15.75"	
17"	16.5"		16.75"	
18"	17.5"		17.75"	
19"	18.5"		18.75"	
20"	19.5"		19.75"	
21"	20.5"		20.75"	
22"	21.5"		21.75"	
23"	22.5"		22.75"	
24"	23.5"		23.75"	
36"	35.5"		35.75"	
48"	47.5"		47.75"	
60"	59.5"		59.75"	
72"	71.5"		71.75"	
84"	83.5"		83.75"	
96"	95.5"		95.75"	

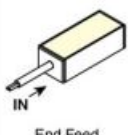
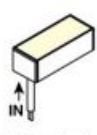
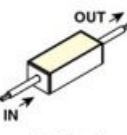
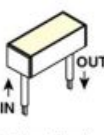
SW-HE, SW-HE+ ENC THIN LENGTHS BY INCH

The 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

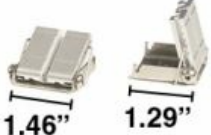

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP IQ-PH IQ-PH+QD1	Q6M-DC+CAP QTM-DC+CAP IQ-PH IQ-PH+QD1	QOM-DC+CAP QOM-PH IQ-PH	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	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	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	QTM-eLED(E) QTM-eLED(L) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED	

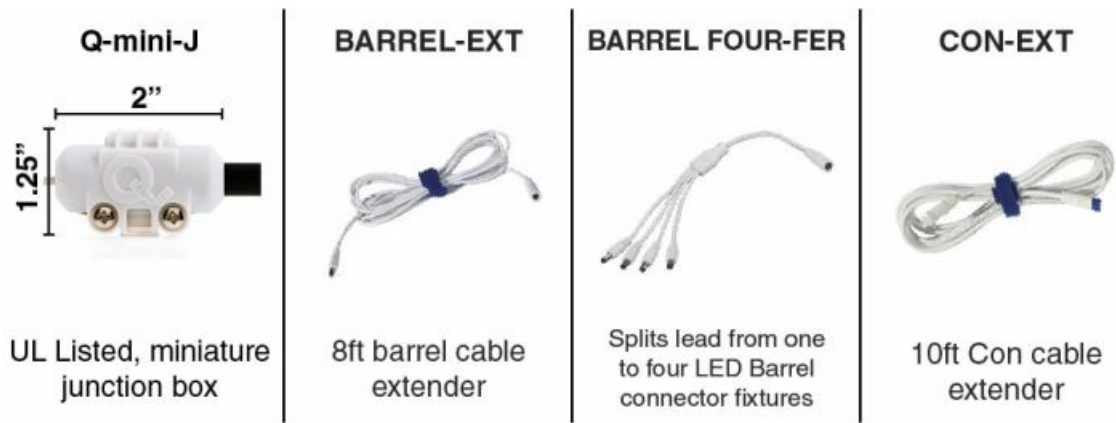
DIMMING PROTOCOL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Non-Dim	QTM-eLED-ND QZ-ND	QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND IQ-ND-50-65	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND IQ-ND-50-65
Phase	Q6M-DC+CAP QTM-DC+CAP QTM-eLED(E) QTM-eLED(L) QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP IQ-PH IQ-PH+QD1	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-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V IQ-PH	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	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	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	QTM-eLED+AN QTM-eLED+DALI-DT6-AN		
ECO System	QTM-eLED(E)	QTM-eLED(E)		
DMX	QZ-DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle		

ACCESSORIES

COMPATIBLE MOUNTING ACCESSORIES

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

COMPATIBLE WIRING ACCESSORIES



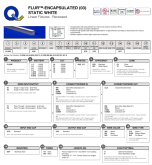
COMPATIBLE CONTROL ACCESSORIES



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Documents / Resources

	<p>Q-TRAN FL3SW Linear Fixtures Surface [pdf] Owner's Manual FL3SW Linear Fixtures Surface, FL3SW, Linear Fixtures Surface, Fixtures Surface, Surface</p>
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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](#)

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