


Q-TRAN TALO-ENCAPSULATED (03) STATIC WHITE Linear Fixtures Surface Instructions

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Q-TRAN TALO-ENCAPSULATED (03) STATIC WHITE Linear Fixtures Surface



Product Information

Specifications

- Product: TALO-ENCAPSULATED (03) STATIC WHITE
- Linear Fixtures – Surface
- Encapsulated with polyurethane for indoor and outdoor locations (IK10)
- Perfect for ceiling 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
- Rated Enclosure: IP67
- Efficiency: STD Standard

Product Usage Instructions

Step 1: Selecting the Wattage and Color Temperature (CCT)

The product is available in different wattages per foot and color temperatures (CCT). Refer to the table below for the available options:

Wattage/ft	CCT
1.5W/ft	2400K
3.0W/ft	2700K
4.0W/ft	3000K
5.0W/ft	3500K
1.5W/ft HE	4000K
3.0W/ft HE	
6.0W/ft HE	

Step 2: Selecting Wire Input/Output and Connectors

Choose the appropriate wire input/output configuration and connector type for your installation:

- Wire Input:
 - 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
- Connector/Wire In:
 - BW: Bare Wire (Standard 24)
 - BRL: Barrel Connector 6
 - CON6: Connector 6
 - CON24: Connector 24

Note: Typical selection is BW. Standard length is 24, but you can request a custom length by writing in the desired part number next to BW (example: BW48).

- Connector/Wire Out:

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

Note: Typical selection is CLS or BW. Standard length is 24, but you can request a custom length by writing in the desired part number next to BW (example: BW48).

Step 3: Selecting Input and Output End Caps

Select the appropriate end cap for the input and output sides of the fixture:

- Input End Cap: STD Standard (End cap matches fixture finish chosen)
- Output End Cap: STD Standard (End cap matches fixture finish chosen)

Step 4: Selecting Wire Color and Type

Choose the wire color and type for your installation:

- Wire Color:
 - WH: White
 - BK: Black
 - N/A: For Barrel
- Wire Type:
 - CL2: Class 2
 - CL2P: Plenum Rated
 - N/A: For Barrel (CL2P only available with bare wire leads (BW))

Step 5: Selecting Mounting and Finish

Choose the mounting option and finish for your installation:

- Mounting:
 - HSS: Hidden Stainless Steel Clip
 - Plastic T-Bar Clip
- Finish:
 - ST: Satin
 - BK: Black

Step 6: Determining Length

Determine the exact or optimal length (in inches) for your installation.

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

FAQ (Frequently Asked Questions)

• **Q: What is the IP rating of the enclosure?**

A: The enclosure is IP67 rated, making it suitable for indoor and outdoor locations.

• **Q: What is the warranty period for the product?**

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

• **Q: Can I request a custom wire length?**

A: Yes, you can request a custom wire length by writing in the desired part number next to BW (example: BW48).

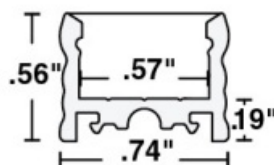
TALO-ENCAPSULATED (03) STATIC WHITE Linear Fixtures – Surface

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Encapsulated with polyurethane for indoor and outdoor locations (IK10)

- Perfect for ceiling 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



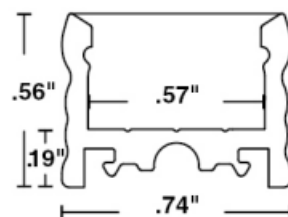
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	INPUT END CAP	OUTPUT END CAP	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
TO3SW			ENC	STD					STD	STD						

Sample Part Number: TO3SW-5.0-30-ENC-STD-TL-P1-BW-BW-BK-CL2-HSS-ST-48"-E

1	2	3	4	5	6
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS
TO3SW 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	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 HSS Hidden Stainless Steel Clip TBC Plastic T-Bar Clip	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

DELIVERED LUMENS

[Calculated L70 = 40000 hrs] Tested with TO3SW-**-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	124	160	216	293	269	327	555
TL	62	80	108	147	134	163	278

DIODE VISIBILITY



ENC/CL - Clear encapsulation

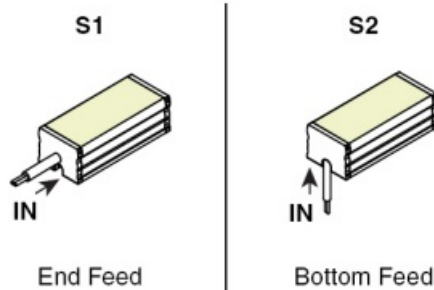
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

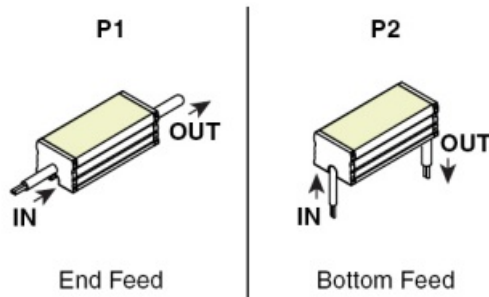
Light Engine (LED Strip)	W/FT	Minimum Limit (°F)	Maximum Limit (°F)
Static White	1.5	-40	138
	3.0	-40	124
	4.0	-40	115
	5.0	-40	108
Static White High Efficacy	1.5HE	-40	152
	3.0HE	-40	140
	6.0HE	-40	118

WIRE INPUT/OUTPUT

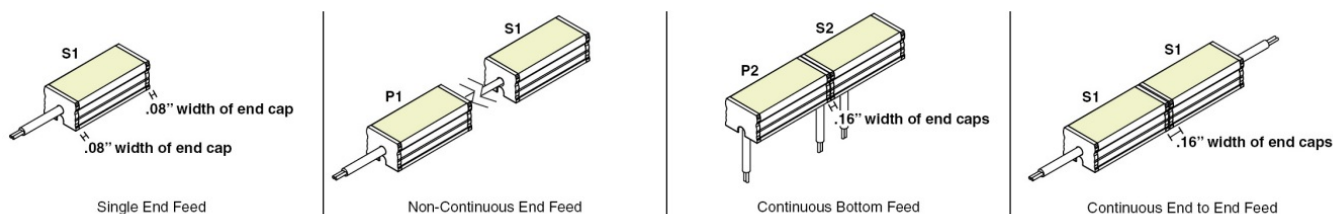
SINGLE (Input only)



PASS THROUGH (Input/Output)

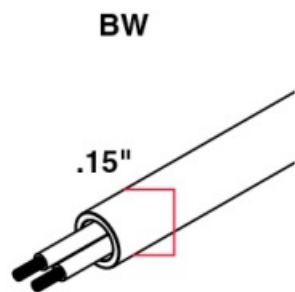


CONFIGURATION OPTIONS

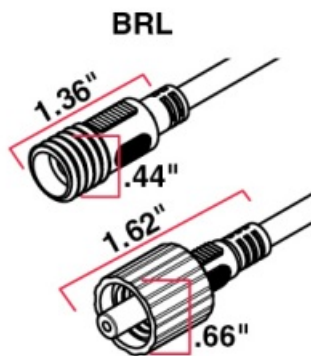


8 / 9 CONNECTOR/WIRE – IN/OUT

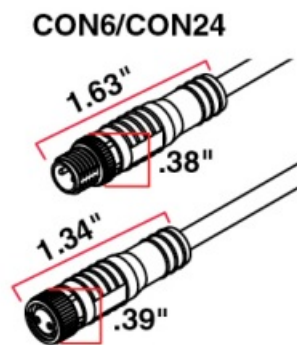
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



Bare Wire 24"
22 AWG

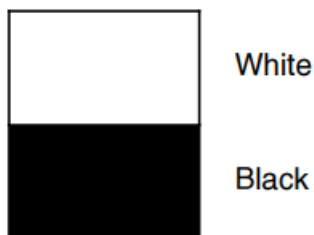


Barrel 6"- WET | 22 AWG



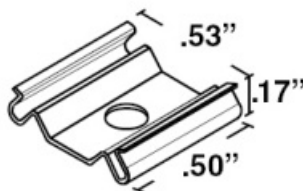
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

WIRE COLOR



MOUNTING

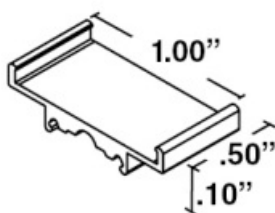
HSS



Hidden Stainless
Steel Clip

- 2 clips provided for 4' or less. 4 clips provided for greater than 4'.
- To order separately use SST-02
- Each clip comes with a #4 x 5/8 Flat Head SS

TBC



Plastic T-Bar Clip

- Standard 1"(15/16) grid clips 2 clips provided per first 12", 1 clip provided per additional foot

- To order separately use
- PLC-01
- Each clip comes with a #4 x 5/8 Flat Head SS

FINISH



EXACT/OPTIMAL FIXTURE LENGTH

EXAMPLES OF 12" OPTIMIZED STATIC WHITE FIXTURES WITH DIFFUSED LENS



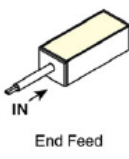
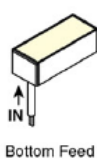
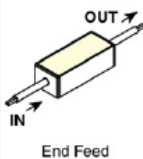
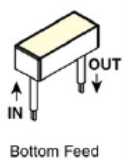
SW ENC LENGTHS BY INCH

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 	S2 	P1 	P2 
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"	

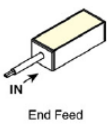
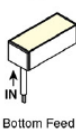
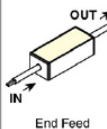
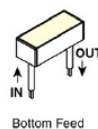
SW-HE ENC LENGTHS BY INCH

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	
	<div>S1</div>  <div>End Feed</div>	<div>S2</div>  <div>Bottom Feed</div>	<div>P1</div>  <div>End Feed</div>	<div>P2</div>  <div>Bottom Feed</div>
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-D C+CAP iQ-PH iQ-PH+QD1	Q6M-DC+CAP QTM-D C+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		

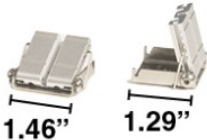
COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M



Adjustable mounting
bracket - Medium

HINGE - HMB-L



Adjustable mounting
bracket - Large

HINGE - HMB-XL



Adjustable mounting
bracket - XLarge

Q-PIVOT



Small mounting
accessory

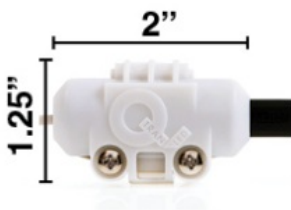
Q-ANGLE



Adjustable mounting
accessory

COMPATIBLE WIRING ACCESSORIES

Q-mini-J



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

COMPATIBLE CONTROL ACCESSORIES

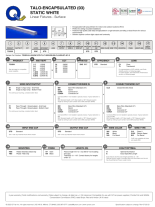
SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

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Specification subject to change. Rev-07-20-23



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TALO-ENCAPSULATED 03 STATIC WHITE Linear Fixtures Surface, TALO-ENCAPSULATED 03, STATIC WHITE Linear Fixtures Surface, WHITE Linear Fixtures Surface, 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](#)